FUJITSU Software
ServerView Resource Orchestrator
Cloud Edition V3.1.2

Reference Guide
(API)

Windows/Linux

Preface

Purpose

This manual explains the API available in FUJITSU Software ServerView Resource Orchestrator Cloud Edition (hereinafter Resource Orchestrator).

Target Readers

This manual is intended for users wishing to know about the API provided by Resource Orchestrator.

Organization

This manual is composed as follows:

Chapter 1 Outline

Explains an overview of the APIs available in Resource Orchestrator.

Chapter 2 L-Platform API Reference

Explains L-Platform APIs.

Chapter 3 Reference for the Accounting API

Explains accounting APIs

Appendix A List of Response Status Error Codes(L-Platform APIs)

Explains List of Response Status Error Codes of L-Platform APIs.

Appendix B List of Response Status Error Codes(Accounting APIs)

Explains List of Response Status Error Codes of accounting APIs.

Web Site URLs

URLs provided as reference sources within the main text are correct as of November 2015.

Please understand that they are subject to change without notice.

Document Conventions

The notation in this manual conforms to the following conventions.

- When there is different information for the different versions of Resource Orchestrator, it is indicated as follows:

[All Editions]	Sections relevant for all editions
[Cloud Edition]	Sections related to Cloud Edition
[Virtual Edition]	Sections related to Virtual Edition

- When using Resource Orchestrator and the functions necessary differ due to the necessary basic software (OS), it is indicated as follows:

[Windows Manager]	Sections related to Windows manager
[Linux Manager]	Sections related to Linux manager
[Windows]	Sections related to Windows
[Linux]	Sections related to Linux
[Solaris]	Sections related to Solaris

[VMware]	Sections related to VMware
[Horizon View]	Sections related to VMware Horizon View
[Hyper-V]	Sections related to Hyper-V
[Xen]	Sections related to RHEL5-Xen
[KVM]	Sections related to RHEL-KVM
[Solaris Zones]	Sections related to Solaris zones
[OVM for x86 2.2]	Sections related to Oracle VM Server for x86 2.2
[OVM for x86 3.2]	Sections related to Oracle VM Server for x86 3.2
[OVM for SPARC]	Sections related to Oracle VM Server for SPARC
[Citrix Xen]	Sections related to Citrix XenServer
[Physical Servers]	Sections related to physical servers

- Unless specified otherwise, the blade servers mentioned in this manual refer to PRIMERGY BX servers.

- Oracle Solaris may also be indicated as Solaris, Solaris Operating System, or Solaris OS.

- Oracle Solaris Zones may also be indicated as Solaris Containers or Solaris Container.

- Oracle VM Server for x86 may also be indicated as Oracle VM.

- In Resource Orchestrator, the following servers are referred to as SPARC Enterprise.

    - SPARC Enterprise M3000/M4000/M5000/M8000/M9000

    - SPARC Enterprise T5120/T5140/T5220/T5240/T5440

- In Resource Orchestrator, the following servers are referred to as SPARC M10.

    - SPARC M10-1/M10-4/M10-4S

- Fujitsu M10 is the product name used for SPARC M10 when they are sold outside Japan.

- References and character strings or values requiring emphasis are indicated using double quotes (").

- Window names, dialog names, menu names, and tab names are shown enclosed by brackets ([ ]).

- Button names are shown enclosed by angle brackets (< >) or square brackets ([ ]).

- The order of selecting menus is indicated using [ ]-[ ].

- Text to be entered by the user is indicated using bold text.

- Variables are indicated using italic text and underscores.

- The ellipses ("...") in menu names, indicating settings and operation window startup, are not shown.

- The ">" used in Windows is included in usage examples. When using Linux, read ">" as meaning "#".

- If using Windows 8 or Windows Server 2012, please note the following:
  Operations descriptions in this manual use examples assuming operating systems up to Windows 7 and Windows Server 2008 - if using this product with Windows 8 or Windows Server 2012, read instructions regarding the [Start] menu as if they were instructions for the [Apps] page.
  Display the [Apps] page by right-clicking in the [Start] screen, and then clicking on [All apps].

- When using Resource Orchestrator on Windows 8.1 and Windows Server 2012 R2, please note the following.
  When OS operations are explained in this manual, the examples assume OSs up to Windows 7 and Windows Server 2008. When using Resource Orchestrator on Windows 8.1 or Windows Server 2012 R2, take explanations regarding the [Start] menu as indicating the [Apps] screen.
  The [Apps] screen can be displayed by swiping the [Start] screen from bottom to top, or clicking the downward facing arrow on the lower-left of the [Start] screen.

Menus in the ROR console

Operations on the ROR console can be performed using either the menu bar or pop-up menus.

By convention, procedures described in this manual only refer to pop-up menus.

Regarding Installation Folder Paths

The installation folder path may be given as C:\Fujitsu\ROR in this manual.

Replace it as shown below.

- When using Windows 64-bit (x64)

   C:\Program Files (x86)\Resource Orchestrator

- When using Windows 32-bit (x86)

   C:\Program Files\Resource Orchestrator

Command Examples

The paths used in command examples may be abbreviated. When using commands, execute them using the paths in the "Name" column in the "Reference Guide (Command) VE" and the "Reference Guide (Command/XML) CE".

Abbreviations

The following abbreviations are used in this manual:

Abbreviation	Products
Windows	Microsoft(R) Windows Server(R) 2003 R2, Standard Edition Microsoft(R) Windows Server(R) 2003 R2, Enterprise Edition Microsoft(R) Windows Server(R) 2003 R2, Standard x64 Edition Microsoft(R) Windows Server(R) 2003 R2, Enterprise x64 Edition Microsoft(R) Windows Server(R) 2008 Standard Microsoft(R) Windows Server(R) 2008 Enterprise Microsoft(R) Windows Server(R) 2008 R2 Standard Microsoft(R) Windows Server(R) 2008 R2 Enterprise Microsoft(R) Windows Server(R) 2008 R2 Datacenter Microsoft(R) Windows Server(R) 2012 Standard Microsoft(R) Windows Server(R) 2012 Datacenter Microsoft(R) Windows Server(R) 2012 R2 Standard Microsoft(R) Windows Server(R) 2012 R2 Datacenter Microsoft(R) Windows(R) XP Professional operating system Windows Vista(R) Business Windows Vista(R) Enterprise Windows Vista(R) Ultimate Windows(R) 7 Professional Windows(R) 7 Ultimate Windows(R) 8 Pro Windows(R) 8 Enterprise Windows(R) 8.1 Pro Windows(R) 8.1 Enterprise
Windows Server 2003	Microsoft(R) Windows Server(R) 2003 R2, Standard Edition Microsoft(R) Windows Server(R) 2003 R2, Enterprise Edition Microsoft(R) Windows Server(R) 2003 R2, Standard x64 Edition Microsoft(R) Windows Server(R) 2003 R2, Enterprise x64 Edition

Abbreviation	Products
Windows 2003 x64 Edition	Microsoft(R) Windows Server(R) 2003 R2, Standard x64 Edition Microsoft(R) Windows Server(R) 2003 R2, Enterprise x64 Edition
Windows Server 2008	Microsoft(R) Windows Server(R) 2008 Standard Microsoft(R) Windows Server(R) 2008 Enterprise Microsoft(R) Windows Server(R) 2008 R2 Standard Microsoft(R) Windows Server(R) 2008 R2 Enterprise Microsoft(R) Windows Server(R) 2008 R2 Datacenter
Windows 2008 x86 Edition	Microsoft(R) Windows Server(R) 2008 Standard (x86) Microsoft(R) Windows Server(R) 2008 Enterprise (x86)
Windows 2008 x64 Edition	Microsoft(R) Windows Server(R) 2008 Standard (x64) Microsoft(R) Windows Server(R) 2008 Enterprise (x64)
Windows Server 2012	Microsoft(R) Windows Server(R) 2012 Standard Microsoft(R) Windows Server(R) 2012 Datacenter Microsoft(R) Windows Server(R) 2012 R2 Standard Microsoft(R) Windows Server(R) 2012 R2 Datacenter
Windows PE	Microsoft(R) Windows(R) Preinstallation Environment
Windows XP	Microsoft(R) Windows(R) XP Professional operating system
Windows Vista	Windows Vista(R) Business Windows Vista(R) Enterprise Windows Vista(R) Ultimate
Windows 7	Windows(R) 7 Professional Windows(R) 7 Ultimate
Windows 8	Windows(R) 8 Pro Windows(R) 8 Enterprise Windows(R) 8.1 Pro Windows(R) 8.1 Enterprise
Linux	Red Hat(R) Enterprise Linux(R) 5 (for x86) Red Hat(R) Enterprise Linux(R) 5 (for Intel64) Red Hat(R) Enterprise Linux(R) 5.1 (for x86) Red Hat(R) Enterprise Linux(R) 5.1 (for Intel64) Red Hat(R) Enterprise Linux(R) 5.2 (for x86) Red Hat(R) Enterprise Linux(R) 5.2 (for Intel64) Red Hat(R) Enterprise Linux(R) 5.3 (for x86) Red Hat(R) Enterprise Linux(R) 5.3 (for Intel64) Red Hat(R) Enterprise Linux(R) 5.4 (for x86) Red Hat(R) Enterprise Linux(R) 5.4 (for Intel64) Red Hat(R) Enterprise Linux(R) 5.5 (for x86) Red Hat(R) Enterprise Linux(R) 5.5 (for Intel64) Red Hat(R) Enterprise Linux(R) 5.6 (for x86) Red Hat(R) Enterprise Linux(R) 5.6 (for Intel64) Red Hat(R) Enterprise Linux(R) 5.7 (for x86) Red Hat(R) Enterprise Linux(R) 5.7 (for Intel64) Red Hat(R) Enterprise Linux(R) 5.8 (for x86) Red Hat(R) Enterprise Linux(R) 5.8 (for Intel64) Red Hat(R) Enterprise Linux(R) 5.9 (for x86) Red Hat(R) Enterprise Linux(R) 5.9 (for Intel64) Red Hat(R) Enterprise Linux(R) 5.10 (for x86) Red Hat(R) Enterprise Linux(R) 5.10 (for Intel64) Red Hat(R) Enterprise Linux(R) 5.11 (for x86) Red Hat(R) Enterprise Linux(R) 5.11 (for Intel64) Red Hat(R) Enterprise Linux(R) 6.2 (for x86) Red Hat(R) Enterprise Linux(R) 6.2 (for Intel64)

Abbreviation	Products
	Red Hat(R) Enterprise Linux(R) 6.3 (for x86)
	Red Hat(R) Enterprise Linux(R) 6.3 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 6.4 (for x86)
	Red Hat(R) Enterprise Linux(R) 6.4 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 6.5 (for x86)
	Red Hat(R) Enterprise Linux(R) 6.5 (for Intel64)
	SUSE(R) Linux Enterprise Server 11 for x86
	SUSE(R) Linux Enterprise Server 11 for EM64T
Red Hat Enterprise Linux	Red Hat(R) Enterprise Linux(R) 5 (for x86)
	Red Hat(R) Enterprise Linux(R) 5 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.1 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.1 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.2 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.2 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.3 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.3 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.4 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.4 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.5 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.5 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.6 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.6 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.7 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.7 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.8 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.8 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.9 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.9 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.10 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.10 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.11 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.11 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 6.2 (for x86)
	Red Hat(R) Enterprise Linux(R) 6.2 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 6.3 (for x86)
	Red Hat(R) Enterprise Linux(R) 6.3 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 6.4 (for x86)
	Red Hat(R) Enterprise Linux(R) 6.4 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 6.5 (for x86)
	Red Hat(R) Enterprise Linux(R) 6.5 (for Intel64)
Red Hat Enterprise Linux 5	Red Hat(R) Enterprise Linux(R) 5 (for x86)
	Red Hat(R) Enterprise Linux(R) 5 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.1 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.1 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.2 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.2 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.3 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.3 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.4 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.4 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.5 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.5 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.6 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.6 (for Intel64)
	Red Hat(R) Enterprise Linux(R) 5.7 (for x86)
	Red Hat(R) Enterprise Linux(R) 5.7 (for Intel64)

Abbreviation	Products
	Red Hat(R) Enterprise Linux(R) 5.8 (for x86) Red Hat(R) Enterprise Linux(R) 5.8 (for Intel64) Red Hat(R) Enterprise Linux(R) 5.9 (for x86) Red Hat(R) Enterprise Linux(R) 5.9 (for Intel64) Red Hat(R) Enterprise Linux(R) 5.10 (for x86) Red Hat(R) Enterprise Linux(R) 5.10 (for Intel64) Red Hat(R) Enterprise Linux(R) 5.11 (for x86) Red Hat(R) Enterprise Linux(R) 5.11 (for Intel64)
Red Hat Enterprise Linux 6	Red Hat(R) Enterprise Linux(R) 6.2 (for x86) Red Hat(R) Enterprise Linux(R) 6.2 (for Intel64) Red Hat(R) Enterprise Linux(R) 6.3 (for x86) Red Hat(R) Enterprise Linux(R) 6.3 (for Intel64) Red Hat(R) Enterprise Linux(R) 6.4 (for x86) Red Hat(R) Enterprise Linux(R) 6.4 (for Intel64) Red Hat(R) Enterprise Linux(R) 6.5 (for x86) Red Hat(R) Enterprise Linux(R) 6.5 (for Intel64)
RHEL5-Xen	Red Hat(R) Enterprise Linux(R) 5.4 (for x86) Linux Virtual Machine Function Red Hat(R) Enterprise Linux(R) 5.4 (for Intel64) Linux Virtual Machine Function
RHEL-KVM	Red Hat(R) Enterprise Linux(R) 6.2 (for x86) Virtual Machine Function Red Hat(R) Enterprise Linux(R) 6.2 (for Intel64) Virtual Machine Function Red Hat(R) Enterprise Linux(R) 6.3 (for x86) Virtual Machine Function Red Hat(R) Enterprise Linux(R) 6.3 (for Intel64) Virtual Machine Function Red Hat(R) Enterprise Linux(R) 6.4 (for x86) Virtual Machine Function Red Hat(R) Enterprise Linux(R) 6.4 (for Intel64) Virtual Machine Function Red Hat(R) Enterprise Linux(R) 6.5 (for x86) Virtual Machine Function Red Hat(R) Enterprise Linux(R) 6.5 (for Intel64) Virtual Machine Function
DOS	Microsoft(R) MS-DOS(R) operating system, DR DOS(R)
SUSE Linux Enterprise Server	SUSE(R) Linux Enterprise Server 11 for x86 SUSE(R) Linux Enterprise Server 11 for EM64T
OVM for x86 2.2	Oracle(R) VM Server for x86 2.2
OVM for x86 3.2	Oracle VM Server for x86 v3.2.1 Oracle VM Server for x86 v3.2.2 Oracle VM Server for x86 v3.2.3 Oracle VM Server for x86 v3.2.4 Oracle VM Server for x86 v3.2.6 Oracle VM Server for x86 v3.2.7
OVM for SPARC	Oracle(R) VM Server for SPARC
Oracle VM Manager	Oracle(R) VM Manager
Citrix XenServer	Citrix XenServer(R) 6.0 Citrix XenServer(R) 6.0.2 Citrix XenServer(R) 6.1.0
ESC	ETERNUS SF Storage Cruiser
GLS	PRIMECLUSTER GLS
Navisphere	EMC Navisphere Manager
Solutions Enabler	EMC Solutions Enabler
MSFC	Microsoft Failover Cluster
Solaris	Oracle Solaris10 05/09 (Update7) Media Pack Oracle Solaris11 11/11 Media Pack Oracle Solaris11.1 Media Pack

Abbreviation	Products
SCVMM	System Center Virtual Machine Manager 2008 R2 System Center 2012 Virtual Machine Manager System Center 2012 R2 Virtual Machine Manager
VMware	VMware vSphere(R) 4 VMware vSphere(R) 4.1 VMware vSphere(R) 5 VMware vSphere(R) 5.1 Vmware vSphere(R) 5.5
VMware ESX	VMware(R) ESX(R)
VMware ESX 4	VMware(R) ESX(R) 4
VMware ESXi	VMware(R) ESXi(TM)
VMware ESXi 5.0	VMware(R) ESXi(TM) 5.0
VMware ESXi 5.1	VMware(R) ESXi(TM) 5.1
VMware ESXi 5.5	VMware(R) ESXi(TM) 5.5
VMware Tools	VMware(R) Tools
VMware vSphere 4.0	VMware vSphere(R) 4.0
VMware vSphere 4.1	VMware vSphere(R) 4.1
VMware vSphere 5	VMware vSphere(R) 5
VMware vSphere 5.1	VMware vSphere(R) 5.1
VMware vSphere 5.5	VMware vSphere(R) 5.5
VMware vSphere Client	VMware vSphere(R) Client
VMware vCenter Server	VMware(R) vCenter(TM) Server
VMware vClient	VMware(R) vClient(TM)
VMware FT	VMware(R) Fault Tolerance
VMware DRS	VMware(R) Distributed Resource Scheduler
VMware DPM	VMware(R) Distributed Power Management
VMware vDS	VMware(R) vNetwork Distributed Switch
VMware Storage VMotion	VMware(R) Storage VMotion
VMware Horizon View	VMware Horizon View 5.2.x VMware Horizon View 5.3.x VMware Horizon 6.0 (with View)
VIOM	ServerView Virtual-IO Manager
BladeLogic	BMC BladeLogic Server Automation
Internet Explorer	Windows(R) Internet Explorer(R) 8 Windows(R) Internet Explorer(R) 9 Windows(R) Internet Explorer(R) 10 Windows(R) Internet Explorer(R) 11
ServerView Agent	ServerView SNMP Agents for MS Windows (32bit-64bit) ServerView Agents Linux ServerView Agents VMware for VMware ESX Server
RCVE	ServerView Resource Coordinator VE
ROR	FUJITSU Software ServerView Resource Orchestrator
ROR VE	FUJITSU Software ServerView Resource Orchestrator Virtual Edition

Abbreviation	Products
ROR CE	FUJITSU Software ServerView Resource Orchestrator Cloud Edition
Resource Coordinator	Systemwalker Resource Coordinator Systemwalker Resource Coordinator Virtual server Edition
SVFAB	ServerView Fabric Manager

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Revision History

Month/Year Issued, Edition	Manual Code
November 2011, First Edition	J2X1-7617-01ENZ0(00)

Month/Year Issued, Edition	Manual Code
December 2011, Edition 1.1	J2X1-7617-01ENZ0(01)
January 2012, Edition 1.2	J2X1-7617-01ENZ0(02)
February 2012, Edition 1.3	J2X1-7617-01ENZ0(03)
March 2012, Edition	J2X1-7617-01ENZ0(04)
April 2012, Edition 1.5	J2X1-7617-01ENZ0(05)
July 2012, Second Edition	J2X1-7617-02ENZ0(00)
October 2012, Third Edition	J2X1-7617-03ENZ0(00)
December 2012, Fourth Edition	J2X1-7617-04ENZ0(00)
January 2013,Fifth Edition	J2X1-7617-05ENZ0(00)
March 2013, Edition 5.1	J2X1-7617-05ENZ0(01)
June 2013, Edition 5.2	J2X1-7617-05ENZ0(02)
August 2013, Edition 5.3	J2X1-7617-05ENZ0(03)
December 2014, Sixth Edition	J2X1-7617-06ENZ0(00)
February 2014, Edition 6.1	J2X1-7617-06ENZ0(01)
April 2014, Edition 6.2	J2X1-7617-06ENZ0(02)
June 2014, Edition 6.3	J2X1-7617-06ENZ0(03)
November 2015, Edition 6.4	J2X1-7617-06ENZ0(04)

Copyright Notice

Contents

Chapter 1 Outline

This chapter describes L-Platform APIs and accounting APIs.

1.1 Objective

L-Platform APIs are provided so that users of Resource Management can independently create user portals to invoke the L-Platform functions of this product.
The accounting API is offered so that users may develop their own applications for the calculation of charges.

1.2 Output Logs

Refer to "16.4.1 Investigation Logs on Admin Servers" in the "Operation Guide CE" for information on log output.

1.3 Configuration File

The L-Platform APIs obtain information about the remote management function from a configuration file.
The configuration file is installed at the following location:

API

[Windows Manager]

```
Installation_folder\ROR\RCXCFMG\config\api_config.xml
```

[Linux Manager]

```
/etc/opt/FJSVcfmg/config/api_config.xml
```

The following definitions are read from the configuration file above so that they can be used:

Definition name	Meaning
vsys-host	The host name or IP address of the server where the management function API is running
vsys-port	The port number where the management function API is running
vsys-uri	The URI where the management function API is running

Command

[Windows Manager]

```
Installation_folder\ROR\RCXCFMG\config\command_config.xml
```

[Linux Manager]

```
/etc/opt/FJSVcfmg/config/command_config.xml
```

The following definitions are read from the configuration file above so that they can be used:

Definition name	Meaning
l_platform-api-protocol	The protocol for communicating with the L-Platform API (http or https). The default is https.
l_platform-api-host	The host name or IP address of the server where the L-Platform API is running.
l_platform-api-port	The port number where the L-Platform API is running.
l_platform-api-uri	The path where the L-Platform API is running.

1.4 Authentication

L-Platform API and accounting API authentication is performed using basic authentication. When an L-Platform API and accounting API is executed, the HTTP header must include basic authentication information for the executing user.
Refer to "1.6 HTTP Requests for APIs" for details.

1.5 API Format

The L-Platform APIs and accounting API provide REST interfaces that are independent of programming languages.
The L-Platform APIs and accounting API provided with this version return XML responses to HTTP GET request parameters.

1.6 HTTP Requests for APIs

This section explains the configuration of the HTTP requests for APIs.

1.6.1 HTTP Requests for L-Platform APIs

URL

The URL format is shown below.

```
https://<Server where the L-Platform APIs are running>:<Port number>/cfmgapi/endpoint
```

The L-Platform APIs all use GET methods or POST methods. For the port number, specify the value that was specified when installing. The default value is "8014". To specify parameters, add a question mark ("?") to the end of the URL path, and then enter the parameters using the following format:

```
<Parameter name>=<Value>&<Parameter name>=<Value>&...
```

Example

```
https://<Server where the L-Platform APIs are running>:<Port number of L-Platform APIs is running>
/cfmgapi/endpoint?Version=2.0&Action=ListLPlatform&Locale=en&userId=user1&orgId=div01
```

With the POST method, a body can be set in the request for execution.
With CLI that call the POST method, specify the path of the file where the XML set in the <BODY> in the -xml parameter is saved.
However, operation may not be correct if there is a BOM in the file.

HTTP header

Specify information for basic authentication in the HTTP header.

```
Authorization: Basic <String encoding "userId:password" in Base64>
```

Specify the user ID and password of the user who executes the L-Platform API.
Although the tenant name and the user ID are specified using L-Platform API arguments, ensure you use the user ID specified during basic authentication.
The following example shows the basic authentication information where userId and password have been set to "cfmgapiuser/cfmgapiuser":

Example

Authorization:Basic Y2ZtZ2FwaXVzZXI6Y2ZtZ2FwaXVzZXI=

Ensure you specify content-type headers.
Use "application/xml" unless otherwise specified in the description of each API.

Command interface

A command interface is also provided for each API.
The storage destination of the commands is as follows:

[Windows Manager]

```
Installation_folder\ROR\RCXCFMG\bin(Stores batch commands and shell scripts)
\config(Stores setup files for commands)
```

[Linux Manager]

```
/opt/FJSVcfmg/bin(Stores batch commands and shell scripts)
/etc/opt/FJSVcfmg/config(Stores setup files for commands)
```

Refer to "Chapter 14 L-Platform API Related Operations" in the "Reference Guide (Command/XML) CE" for information on the each command.

1.6.2 HTTP Requests for Accounting APIs

URL

The URL format is shown below.

```
https://<Server where the accounting APIs are running>:<Port number>/accounting/endpoint
```

The accounting APIs all use GET or POST methods. For the port number, specify the value that was specified when installing - the default value is "8015". To specify parameters, add a question mark ("?") to the end of the URL path, and then enter the parameters using the following format:

```
<Parameter name>=<Value>&<Parameter name>=<Value>&...
```

📑 Example
....
```
https://<Server where the accounting APIs are running>:<Port number of accounting APIs is running>
/accounting/endpoint?Action=GetResourceUsage&startDate=2012-01-01&endDate=2012-01-01
```
....

With the POST method, a body can be set in the request for execution.

HTTP header

Specify information for basic authentication in the HTTP header.

```
Authorization: Basic <String encoding "userId:password" in Base64>
```

For userId and password, specify the user ID and password of the user who executes the accounting API.
Ensure you specify content-type headers.
Use "application/xml" unless otherwise specified in the description of each API.

1.7 Configuration of APIs

1.7.1 Configuration of L-Platform APIs

The L-Platform APIs include the following APIs:

Category	L-Platform API name	Functional overview
Operations on L-Platform templates	GetLPlatformDescriptorAttributes	Gets template attributes (such as the template name).

Category	L-Platform API name	Functional overview
	GetLPlatformDescriptorConfiguration	Gets template configuration information (such as the server configuration and network configuration).
	GetPoolList	Gets a list of resource pools.
	GetRulesetConfiguration	Gets the configuration information for a ruleset.
	ListDiskImage	Gets a list of master image.
	ListFirewallRuleset	Gets a list of firewall rulesets.
	ListLPlatformDescriptor	Gets a list of templates.
	ListNetworkResource	Gets a list of network resources.
	ListServerType	Gets a list of L-Server Templates.
	ListSLBRuleset	Gets a list of the server load balancer rulesets.
Operations on L-Platform	CreateLPlatform	Creates an L-Platform.
	CreateNetwork	Adds a network to an L-Platform.
	DestroyLPlatform	Returns an L-Platform.
	DestroyNetwork	Deletes a network from an L-Platform.
	GetLPLatformAttributes	Gets the attributes of an L-Platform.
	GetLPlatformConfiguration	Gets configuration information for an L-Platform.
	GetLPlatformStatus	Gets the status of an L-Platform.
	GetOperationResult	Gets operation logs.
	ListLPlatform	Gets a list of L-Platform.
	ListNetworkInfo	Gets network information for an L-Platform.
	MoveLPlatform	Changes the organization that owns an L-Platform.
	OperateSLB	Executes server load balancer operations.
	StartLPlatform	Batch power-on for the servers included in an L-Platform
	StartTenantLServers	Batch power-on for the servers included in a tenant.
	StopLPlatform	Batch power-off for the servers included in an L-Platform.
	StopTenantLServers	Batch power-off for the servers included in a tenant.
	UpdateFirewallConfiguration	Modifies a firewall configuration.
	UpdateSLBConfiguration	Modifies a server load balancer configuration.
Operations on servers	AddPatch	Adds patch information.
	CancelError	Cancels the error status of a backup or restoration task.
	CreateImage	Collects the cloning image of a specified server.
	CreateLServer	Creates a new server.
	CreateNic	Adds an NIC to a server.
	CreateSnapshot	Takes a snapshot.
	DestroyLServer	Deletes servers.
	DestroyNic	Deletes an NIC from a server.
	DestroyPatch	Deletes patch information.
	DestroySnapshot	Deletes snapshots.
	ExpandSysvolSize	Increase the size of system volume.
	GetLServerAttributes	Gets the attributes of a server.

Category	L-Platform API name	Functional overview
	GetLServerConfiguration	Gets configuration information for a server (such as software and patch information).
	GetLServerInitialPassword	Gets the password for the initial administrator for the operating system of a server.
	GetLServerStatus	Gets the status of a server.
	GetSnapshotHistory	Gets a history of snapshots and restorations.
	ListLServer	Gets a list of servers in an L-Platform.
	ListSnapshot	Gets a list of snapshots.
	RestoreLServer	Restores a server from a snapshot.
	StartLServer	Starts a server.
	StopLServer	Stops a server.
	UpdateIPAddress	Updates a Server IP Address.
	UpdateLServerAttributes	Updates the Attributes of a Server.
	UpdateLServerConfiguration	Changes the performance of a server.
Operations on additional disks	AttachDisk	Attaches an extended disk.
	CreateDisk	Adds additional disks.
	DestroyDisk	Deletes additional disks.
	DetachDisk	Detaches an extended disk.
	ListDisk	Gets a list of existing disks.

1.7.2 Configuration of Accounting APIs

The accounting APIs include the following APIs:

Category	L-Platform API name	Functional overview
Resource Usage	GetResourceUsage	Get resource usage.
Usage Point	GetUsagePoint	Get usage point.
	RegisterUsagePoint	Register usage point.
Daily Usage Charge	GetDailyCharge	Get daily usage charges.
	RegisterDailyCharge	Register daily usage charges.
Monthly Usage Charge	GetMonthlyCharge	Get monthly usage charges.
	RegisterMonthlyCharge	Register monthly usage charges.
Tenant Information	GetTenants	Get a list of tenant information.

1.8 Explanatory Format for APIs

This section describes the general format that is used to explain each API in this document.

1.8.1 Explanatory Format for L-Platform APIs

Request parameters

This section explains each L-Platform API request parameter in table format.

Parameter name	Item	Item description
Request parameter name (*)	Description	This item explains each parameter.
	Type	This item indicates the parameter type.
	Value	This item indicates the value of each parameter. It also explains specific values when fixed values or actual setting ranges are given.

* Note: Parameters enclosed in square brackets ("[ ]") are optional.

Request body

The following explains the body to be set in L-Platform API requests.

<XML>

This explains XML format request bodies.

<Parameter>

This table provides an explanation for each of the parameters:

Parameter name	Item	Item description
Request parameter name (*)	Description	This item explains each parameter.
	Type	This item indicates the parameter type.
	Value	This item indicates the value of each parameter. It also explains specific values when fixed values or actual setting ranges are given.

* Note: Parameters enclosed in square brackets ("[ ]") are optional.

Response

This section explains L-Platform API responses.

<Status code>

This section explains the status codes.

<XML>

This section explains responses in XML format.

<Elements>

This section explains each element in table format.

Element name	Item	Item description
Name of an element in the response	Description	This item explains each of the elements in the response.
	Type	This item indicates the type of each element in the response.
	Number of occurrences	This item indicates the number of occurrences of each element in the response. It also explains what happens if the number of occurrences varies depending on parent/child relationships for the element.

Sample response

This section presents a sample L-Platform API response. Responses are in XML format.

📑 Note
. . . .
In this manual, the order of tags that appear in the output results of L-Platform APIs may differ from the order of the elements listed in the response description table.
. . . .

1.8.2 Explanatory Format for Accounting APIs

Request parameters

This section explains each accounting API request parameter in table format.

Parameter name	Item	Item description
Request parameter name (*)	Description	This item explains each parameter.
	Type	This item indicates the parameter type.
	Value	This item indicates the value of each parameter. It also explains specific values when fixed values or actual setting ranges are given.

* Note: Parameters enclosed in square brackets ("[ ]") are optional.

Request body

This section explains accounting API request bodies.

<Elements>

This section explains each element in table format.

Element name	Item	Item description
Name of an element in the request body	Description	This item explains each of the elements in the request body.
	Type	This item indicates the type of each element in the request body.
	Number of occurrences	This item indicates the number of occurrences of each element in the request body. It also explains what happens if the number of occurrences varies depending on parent/child relationships for the element.

Response

This section explains accounting API responses.

<Status code>

This section explains the status codes.

<XML>

This section explains responses in XML format.

<Elements>

This section explains each element in table format.

Element name	Item	Item description
Name of an element in the response	Description	This item explains each of the elements in the response.
	Type	This item indicates the type of each element in the response.
	Number of occurrences	This item indicates the number of occurrences of each element in the response. It also explains what happens if the number of occurrences varies depending on parent/child relationships for the element.

Sample request body and sample response

This section presents a sample accounting API request bodies and response. Responses are in XML format.

Note

In this manual, the order of tags that appear in the output results of accounting APIs may differ from the order of the elements listed in the response description table.

Chapter 2 L-Platform API Reference

This chapter describes L-Platform API information to provide an L-Platform API reference.

2.1 Operations on L-Platform Templates

This section explains the L-Platform APIs relating to operations on L-Platform templates.

2.1.1 GetLPlatformDescriptorAttributes (Gets Template Attributes)

This API gets attribute information for L-Platform templates.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "GetLPlatformDescriptorAttributes ".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters
lplatformDescriptorId	Description	L-Platform template ID
	Type	ASCII string
	Value	No more than 32 characters

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<GetLPlatformDescriptorAttributesResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <lplatformdescriptor>
```

```
    <creatorName>[Tenant name of the person who created the L-Platform  template]</creatorName>
    <description>[Description of the L-Platform template]</description>
    <registrant>[Person who registered the L-Platform template]</registrant>
    <lplatformdescriptorId>[L-Platform template ID]</lplatformdescriptorId>
    <lplatformDescriptorName>[L-Platform template name]</lplatformDescriptorName>
  </lplatformdescriptor>
</GetLPlatformDescriptorAttributesResponse>
```

<Elements>

Element name	Item	Item description
GetLPlatformDescriptorAttributesResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
lplatformdescriptor	Description	Element holding the response information for the L-Platform template information
	Type	None
	Number of occurrences	0 or 1
creatorName	Description	The tenant name of the person who created the L-Platform template
	Type	ASCII string
	Number of occurrences	0 or 1
description	Description	Description of the L-Platform template
	Type	UTF-8 string
	Number of occurrences	0 or 1
registrant	Description	The person who registered the L-Platform template
	Type	UTF-8 string
	Number of occurrences	0 or 1
lplatformdescriptorId	Description	L-Platform template ID
	Type	ASCII string
	Number of occurrences	0 or 1
lplatformdescriptorName	Description	L-Platform template name
	Type	UTF-8 string

Element name	Item	Item description
	Number of occurrences	0 or 1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<GetLPlatformDescriptorAttributesResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <lplatformdescriptor>
    <creatorName>cfmgadm</creatorName>
    <description>desc</description>
    <registrant>cfmgadm</registrant>
    <lplatformdescriptorId>TMPL_Win2k8x86_0826_net</lplatformdescriptorId>
    <lplatformdescriptorName>Win2k8x86_0826_net</lplatformdescriptorName>
  </lplatformdescriptor>
</GetLPlatformDescriptorAttributesResponse>
```

2.1.2 GetLPlatformDescriptorConfiguration (Gets Template Configuration Information)

This API gets configuration information for the template.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "GetLPlatformDescriptorConfiguration".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters
lplatformDescriptorId	Description	L-Platform template ID
	Type	ASCII string
	Value	No more than 32 characters

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GetLPlatformDescriptorConfigurationResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <lplatformdescriptor>
    <connector>[Connection destination]</connector>
    <creatorName>[Tenant name of the person who created the L-Platform template]</creatorName>
    <description>[Description of the L-Platform template]</description>
    <firewalls>
      <firewall>
        <interfaces>
          <interface>
            <name>[Interface name]</name>
            <networkId>[Network ID]</networkId>
          </interface>
        </interfaces>
        <name>[Firewall name]</name>
        <ruleset>
          <description>[Ruleset description]</description>
          <designtype>[UserCustomize]</designtype>
          <deviceModel>[Network device model]</deviceModel>
          <lplatformModel>[L-Platform model]</lplatformModel>
          <maxAccessRuleSetting>[Maximum number of access rules that can be handled by the ruleset]</maxAccessRuleSetting>
          <maxProvision>[Maximum number of firewalls that can be deployed to a network device according to the ruleset]</maxProvision>
          <name>[Ruleset name]</name>
          <parameters>
            <parameter>
              <description>[Parameter information description]</description>
              <name>[Parameter information name]</name>
              <required>[Flag indicating whether value is required]</required>
              <summary>[Parameter summary]</summary>
              <syntax>[Parameter syntax]</syntax>
              <value>[Parameter value]</value>
              <view>[Parameter display flag]</view>
            </parameter>
          </parameters>
          <parametergroups>
            <parametergroup>
              <id>[Parameter group ID]</id>
              <name>[Parameter group name]</name>
              <parameters>
                <parameter>
                  <description>[Parameter description]</description>
                  <name>[Parameter name]</name>
                  <required>[Flag indicating whether value is required]</required>
                  <summary>[Parameter summary]</summary>
                  <syntax>[Parameter syntax]</syntax>
                  <value>[Parameter value]</value>
                  <view>[Parameter display flag]</view>
                </parameter>
              </parameters>
            </parametergroup>
```

```xml
        </parametergroups>
      </ruleset>
    </firewall>
  </firewalls>
  <registrant>[The person who registered the L-Platform  template]</registrant>
  <slbs>
    <slb>
      <interfaces>
        <interface>
          <name>[Interface name]</name>
          <networkId>[Network ID]</networkId>
        </interface>
      </interfaces>
      <name>[Server load balancer name]</name>
      <ruleset>
        <description>[Ruleset description]</description>
        <lplatformModel>[L-Platform model]</lplatformModel>
        <name>[Ruleset name]</name>
        <parameters>
          <parameter>
            <description>[Parameter information description]</description>
            <name>[Parameter information name]</name>
            <required>[Flag indicating whether value is required]</required>
            <summary>[Parameter summary]</summary>
            <syntax>[Parameter syntax]</syntax>
            <value>[Parameter value]</value>
            <view>[Show or hide parameter]</view>
          </parameter>
        </parameters>
      </ruleset>
    </slb>
  </slbs>
  <networks>
    <network>
      <name>[Network name]</name>
      <networkCategory>[Network type]</networkCategory>
      <networkId>[Network ID]</networkId>
      <numOfMaxVm>[Maximum number of VMs]</numOfMaxVm>
      <resourceId>[Network resource ID]</resourceId>
      <segmentType>[Segment identifier]</segmentType>
    </network>
  </networks>
  <lservers>
    <lserver>
      <creator>[The tenant name of the person who created the virtual machine]</creator>
      <diskimageId>[Disk image ID]</diskimageId>
      <diskimageName>[Disk image name]</diskimageName>
      <pool>/[The resource name of the VM pool]</pool>
      <priority>[Power priority]</priority>
      <sparePool>[The resource name of the spare pool]</sparePool>
      <storagePool>[The resource name of the storage pool] </storagePool>
      <storeType>[Storage location type]</storeType>
      <vmType>[Virtual machine type]</vmType>
      <disks>
        <disk>
          <contained>[Flag that indicates if the data disk is included in the image]</contained>
          <diskNo>[Additional disk serial number]</diskNo>
          <size>[The size of the additional disk]</size>
          <storagePool>[The resource name of the storage pool]</storagePool>
          <diskLink>
            <diskNo>[Disk serial number of shared disk]</diskNo>
            <lserverNo>[Serial number of server with shared disk]</lserverNo>
          </diskLink>
```

```
            </disk>
          </disks>
          <nics>
            <nic>
              <management>[Control NIC]</management>
              <networkId>[Connection destination network ID]</networkId>
              <nicgroupIndex>[NIC group index]</nicgroupIndex>
              <nicNo>[NIC serial number]</nicNo>
            </nic>
          </nics>
          <nicgroups>
            <nicgroup>
              <management>[Control NIC]</management>
              <networkId>[Connection destination network ID]</networkId>
              <nicgroupIndex>[NIC group index]</nicgroupIndex>
            </nicgroup>
          </nicgroups>
          <lserverName>[Server name]</lserverName>
          <lserverNo>[Serial number of server with shared disk]</lserverNo>
          <serverType>[Server type]</serverType>
          <vdi>[Use of VDI coordination]</vdi>
          <vdiPool>[VDI pool]</vdiPool>
        </lserver>
      </lservers>
      <lplatformdescriptorId>[L-Platform template ID]</lplatformdescriptorId>
      <lplatformdescriptorName>[L-Platform template name]</lplatformdescriptorName>
    </lplatformdescriptor>
</GetLPlatformDescriptorConfigurationResponse>
```

<Elements>

Parameter name	Item	Item description
GetLPlatformDescriptorConfiguratio nResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
lplatformdescriptor	Description	Element holding the response information for the L-Platform template information
	Type	None
	Number of occurrences	0 or 1

Parameter name	Item	Item description
connector	Description	Connection destination. One of the following values: - none : No connection - intranet: intranet - internet: internet - both : Both Internet and intranet This element will only be displayed if a simple configuration firewall has been set.
	Type	ASCII string
	Number of occurrences	0 or 1
creatorName	Description	The tenant name of the person who created the L-Platform template
	Type	ASCII string
	Number of occurrences	0 or 1
description	Description	Description of the L-Platform template
	Type	UTF-8 string
	Number of occurrences	0 or 1
firewalls	Description	Element holding the response information for the firewall information
	Type	None
	Number of occurrences	0 or 1
firewall	Description	Set of firewall information
	Type	None
	Number of occurrences	As many as there are firewalls elements (0 or more elements for each firewalls element).
interfaces	Description	Element holding the response information for the interface information.
	Type	None
	Number of occurrences	As many as there are firewall elements (0 or 1 element for each firewall element).
interface	Description	Set of interface information
	Type	None
	Number of occurrences	As many as there are interfaces elements (0 or more elements for each interfaces element).
name	Description	Interface name
	Type	UTF-8 string
	Number of occurrences	As many as there are interface elements (0 or 1 element for each interface element).
networkId	Description	Network ID
	Type	ASCII string
	Number of occurrences	As many as there are interface elements (0 or 1 element for each interface element).
name	Description	Firewall name
	Type	UTF-8 string

Parameter name	Item	Item description
	Number of occurrences	As many as there are firewall elements (0 or 1 element for each firewall element).
ruleset	Description	Firewall ruleset
	Type	None
	Number of occurrences	As many as there are firewall elements (0 or 1 element for each firewall element).
description	Description	Ruleset description
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
designtype	Description	UI type. One of the following: - UserCustomize: User customization - Simple: Simple configuration
	Type	ASCII string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
deviceModel	Description	Network device model
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
lplatformModel	Description	L-Platform model. Select one of the following: - "Firewall+SLB": Firewall and server load balancer - "Firewall only": Firewall only
	Type	ASCII string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
maxAccessRuleSetting	Description	Maximum number of access rules that can be handled by the ruleset.
	Type	int
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
maxProvision	Description	Maximum number of firewalls that can be deployed to a network device according to the ruleset.
	Type	int
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
name	Description	Ruleset name
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parameters	Description	Element holding the response information for the ruleset parameter information.
	Type	None

Parameter name	Item	Item description
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parameter	Description	Set of ruleset parameter information
	Type	None
	Number of occurrences	As many as there are parameters elements (0 or more elements for each parameters element).
description	Description	Parameter information description
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
name	Description	Parameter information name
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
required	Description	Specify whether parameter values must be specified using one of the following: - true: required - false: optional
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
summary	Description	Parameter summary
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
syntax	Description	Parameter syntax
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
value	Description	Parameter value
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
view	Description	Parameter display flag.
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
parametergroups	Description	Element holding the response information for the parameter group information of the ruleset.
	Type	None
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parametergroup	Description	Set of parameter group information

Parameter name	Item	Item description
	Type	None
	Number of occurrences	As many as there are parametergroups elements (0 or more elements for each parametergroups element).
id	Description	Parameter group ID
	Type	ASCII string
	Number of occurrences	As many as there are parametergroup elements (0 or 1 element for each parametergroup element).
name	Description	Parameter group name
	Type	UTF-8 string
	Number of occurrences	As many as there are parametergroup elements (0 or 1 element for each parametergroup element).
parameters	Description	Element holding the response information for the parameter information of the ruleset
	Type	None
	Number of occurrences	As many as there are parametergroup elements (0 or 1 element for each parametergroup element).
parameter	Description	Set of parameter information
	Type	None
	Number of occurrences	As many as there are parameters elements (0 or more elements for each parameters element).
description	Description	Parameter description
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
name	Description	Parameter name
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
required	Description	Specify whether parameter values must be specified, using one of the following: - true : required - false : optional
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
summary	Description	Parameter summary
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
syntax	Description	Parameter syntax
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).

Parameter name	Item	Item description
value	Description	Parameter value
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
view	Description	Parameter display flag
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
registrant	Description	The person who registered the L-Platform template
	Type	UTF-8 string
	Number of occurrences	0 or 1
slbs	Description	Element holding the response information for the server load balancer information
	Type	None
	Number of occurrences	0 or 1
slb	Description	Set of server load balancer information
	Type	None
	Number of occurrences	As many as there are slbs elements (0 or more elements for each slbs element).
interfaces	Description	Element holding the response information for the interface information
	Type	None
	Number of occurrences	As many as there are slb elements (0 or 1 element for each slb element).
interface	Description	Set of interface information
	Type	None
	Number of occurrences	As many as there are .interfaces elements (0 or more elements for each interfaces element).
name	Description	Interface name
	Type	UTF-8 string
	Number of occurrences	As many as there are interface elements (0 or 1 element for each interface element).
networkId	Description	Network ID
	Type	ASCII string
	Number of occurrences	As many as there are interface elements (0 or 1 element for each interface element).
name	Description	Server load balancer name
	Type	UTF-8 string
	Number of occurrences	As many as there are slb elements (0 or 1 element for each slb element).
ruleset	Description	Server load balancer ruleset
	Type	None

Parameter name	Item	Item description
	Number of occurrences	As many as there are slb elements (0 or 1 element for each slb element).
description	Description	Ruleset description
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
lplatformModel	Description	L-Platform model. Select one of the following: - "Firewall+SLB": Firewall and server load balancer - "SLB only": Server load balancer only
	Type	ASCII string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
name	Description	Ruleset name
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parameters	Description	Element holding the response information for the parameter information of the ruleset.
	Type	None
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parameter	Description	Set of parameter information of the ruleset
	Type	None
	Number of occurrences	As many as there are parameters elements (0 or more elements for each parameters element).
description	Description	Parameter information description
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
name	Description	Parameter inforamtion name
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
required	Description	Specify whether parameter values must be specified using one of the following: - true: required - false: optional
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
summary	Description	Parameter summary
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).

Parameter name	Item	Item description
syntax	Description	Parameter syntax
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
value	Description	Parameter value
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
view	Description	Show or hide parameter
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
networks	Description	Element holding the response information for the network information
	Type	None
	Number of occurrences	0 or 1
network	Description	Set of network information
	Type	None
	Number of occurrences	As many as there are networks elements (0 or more elements for each networks element).
name	Description	Network name
	Type	UTF-8 string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
networkCategory	Description	Network type
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
networkId	Description	Network ID
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
numOfMaxVm	Description	Maximum number of VMs
	Type	int
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
resourceId	Description	Network resource ID
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
segmentType	Description	Segment identifier
	Type	ASCII string

Parameter name	Item	Item description
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
lservers	Description	Element holding the response information for the virtual machine information.
	Type	None
	Number of occurrences	0 or 1
lserver	Description	Set of virtual machine information
	Type	None
	Number of occurrences	As many as there are lservers elements (0 or more elements for each lservers element).
creator	Description	The tenant name of the person who created the virtual machine.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
diskimageId	Description	Disk image ID
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
diskimageName	Description	Disk image name
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
pool	Description	The resource name of the VM pool.
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
priority	Description	Server creation sequence. Between 1 and 256. This is also used in the batch power operation sequence. Priority startup levels are set to between 1 and 256 when performing batch power supply controls. These values will be started up from small servers.
	Type	int
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
sparePool	Description	The resource name of the spare pool
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
storagePool	Description	The resource name of the storage pool.
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element)

Parameter name	Item	Item description
storeType	Description	Storage location type. This is one of the following: - "Virtual Disk": Virtual storage - "Raw Disk": Existing disk
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
vmType	Description	Virtual machine type. Refer to "15.2.2 Virtual L-Server Templates" in the "Reference Guide (Command/XML) CE" for details.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
disks	Description	Element holding the response information for the additional disk information.
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
disk	Description	Set of additional disk information
	Type	None
	Number of occurrences	As many as there are disks elements (0 or more elements for each disks element).
contained	Description	Flag that indicates if the data disk is included in the image. Specify "true" if the data disk is included in the image. Specify "false" if otherwise.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
diskNo	Description	Additional disk serial number
	Type	int
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
size	Description	The size of the additional disk. The units are "GB".
	Type	decimal
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
storagePool	Description	The resource name of the storage pool.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
diskLink	Description	Set of shared disk link information.
	Type	None
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
diskNo	Description	Disk serial number of shared disk

Parameter name	Item	Item description
	Type	int
	Number of occurrences	As many as there are diskLink elements (0 or 1 element for each diskLink element).
lserverNo	Description	Serial number of server with shared disk.
	Type	int
	Number of occurrences	As many as there are diskLink elements (0 or 1 element for each diskLink element).
nics	Description	Element holding the response information for the VNIC information.
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
nic	Description	Set of NIC information
	Type	None
	Number of occurrences	As many as there are nics elements (0 or more elements for each nics element).
management	Description	Control NIC. The value is "1" if the NIC is a control NIC. Otherwise, the value is "0".
	Type	int
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
networkId	Description	Connection destination network
	Type	ASCII string
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
nicgroupIndex	Description	The NIC group index to which the server belongs
	Type	int
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
nicNo	Description	NIC serial number
	Type	int
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
nicgroups	Description	Element holding the response information for the NIC group information.
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
nicgroup	Description	Set of NIC group information
	Type	None
	Number of occurrences	As many as there are nicgroups elements (0 or more elements for each nicgroups element).

Parameter name	Item	Item description
management	Description	Control NIC. The value is "1" if the NIC is a control NIC. Otherwise, the value is "0".
	Type	int
	Number of occurrences	As many as there are nicgroup elements (0 or 1 element for each nicgroup element).
networkId	Description	Connection destination network ID
	Type	ASCII string
	Number of occurrences	As many as there are nicgroup elements (0 or 1 element for each nicgroup element).
nicgroupIndex	Description	NIC group index
	Type	int
	Number of occurrences	As many as there are nicgroup elements (0 or 1 element for each nicgroup element).
lserverName	Description	Server name
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
lserverNo	Description	Server serial number
	Type	int
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
serverType	Description	Server type
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
vdi	Description	Specifies whether to use VDI coordination. - true: Use VDI coordination When the VDI coordination is not used, this tag is not displayed.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
vdiPool	Description	VDI pool. This is only displayed on servers which use VDI coordination.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
lplatformdescriptorId	Description	L-Platform template ID
	Type	ASCII string
	Number of occurrences	0 or 1
lplatformdescriptorName	Description	L-Platform template name
	Type	UTF-8 string
	Number of occurrences	0 or 1

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GetLPlatformDescriptorConfigurationResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <lplatformdescriptor>
    <creatorName>user3</creatorName>
    <description>firewall</description>
    <firewalls>
      <firewall>
        <interfaces>
          <interface>
            <name>network-param-0001</name>
            <networkId>1ot2#FWS#</networkId>
          </interface>
          <interface>
            <name>network-param-0002</name>
            <networkId>1ot4#FWS#</networkId>
          </interface>
        </interfaces>
        <name>Firewall</name>
        <ruleset>
          <description>rule1</description>
          <designtype>UserCustomize</designtype>
          <lplatformModel>Firewall+SLB</lplatformModel>
          <name>rule1</name>
          <parameters>
            <parameter>
              <description>param1</description>
              <name>param_var_001</name>
              <required>true</required>
              <summary>param1 summary</summary>
              <syntax>INTEGER(0..255)</syntax>
              <value>200</value>
              <view>false</view>
            </parameter>
            <parameter>
              <description>param2</description>
              <name>param_var_002</name>
              <required>true</required>
              <summary>param2 summary</summary>
              <syntax>DisplayString(SIZE(0..255))</syntax>
              <value/>
              <view>true</view>
            </parameter>
            <parameter>
              <description>param3 desc</description>
              <name>param_var_003</name>
              <required>true</required>
              <summary>param3 summary</summary>
              <syntax>INTEGER(0..65535)</syntax>
              <value>400</value>
              <view>true</view>
            </parameter>
          </parameters>
        </ruleset>
      </firewall>
    </firewalls>
    <registrant>tpladm1</registrant>
    <slbs>
      <slb>
        <interfaces>
```

```xml
      <interface>
        <name>network-param-0001</name>
        <networkId>1ot2#FWS#</networkId>
      </interface>
      <interface>
        <name>network-param-0002</name>
        <networkId>1ot4#FWS#</networkId>
      </interface>
    </interfaces>
    <name>SLB</name>
    <ruleset>
      <description>rule1 description</description>
      <lplatformModel>Firewall+SLB</lplatformModel>
      <name>rule1</name>
      <parameters>
        <parameter>
          <description>param1</description>
          <name>param_var_001</name>
          <required>true</required>
          <summary>param1 summary</summary>
          <syntax>INTEGER(0..255)</syntax>
          <value>200</value>
          <view>false</view>
        </parameter>
        <parameter>
          <description>param2</description>
          <name>param_var_002</name>
          <required>true</required>
          <summary>param2 summary</summary>
          <syntax>DisplayString(SIZE(0..255))</syntax>
          <value/>
          <view>true</view>
        </parameter>
        <parameter>
          <description>param3</description>
          <name>param_var_003</name>
          <required>true</required>
          <summary>param3 summary</summary>
          <syntax>INTEGER(0..65535)</syntax>
          <value>400</value>
          <view>true</view>
        </parameter>
      </parameters>
    </ruleset>
  </slb>
</slbs>
<networks>
  <network>
    <name>network-param-0001</name>
    <networkCategory>BUSINESS</networkCategory>
    <networkId>1ot2#FWS#</networkId>
    <numOfMaxVm>10</numOfMaxVm>
    <resourceId>mngsrv_1234</resourceId>
    <segmentType>DMZ</segmentType>
  </network>
  <network>
    <name>network-param-0002</name>
    <networkCategory>BUSINESS</networkCategory>
    <networkId>1ot4#FWS#</networkId>
    <numOfMaxVm>10</numOfMaxVm>
    <resourceId>mngsrv_1235</resourceId>
    <segmentType>SECURE</segmentType>
  </network>
```

```
      </networks>
      <lservers>
        <lserver>
          <creator>cfmgadm</creator>
          <diskimageId>image-1324e093f4e</diskimageId>
          <diskimageName>g-physical-0001</diskimageName>
          <pool>/VMHostPool</pool>
          <priority>128</priority>
          <sparePool/>
          <storagePool>/StoragePool</storagePool>
          <disks>
            <disk>
              <contained>false</contained>
              <diskNo>1</diskNo>
              <size>30.0</size>
              <storagePool>/StoragePool</storagePool>
            </disk>
          </disks>
          <nics>
            <nic>
              <management>1</management>
              <networkId>1ot2#FWS#</networkId>
              <nicNo>1</nicNo>
            </nic>
            <nic>
              <management>0</management>
              <networkId>1ot2#FWS#</networkId>
              <nicNo>2</nicNo>
            </nic>
          </nics>
          <lserverName>server1</lserverName>
          <lserverNo>0</lserverNo>
          <serverType>Economy</serverType>
        </lserver>
        <lserver>
          <creator>cfmgadm</creator>
          <diskimageId>image-1324e09f82f</diskimageId>
          <diskimageName>g-vm-0002</diskimageName>
          <pool>/VMHostPool</pool>
          <priority>128</priority>
          <sparePool/>
          <storagePool>/StoragePool</storagePool>
          <storeType>Virtual Disk</storeType>
          <vmType>RHEL-KVM</vmType>
          <nics>
            <nic>
              <management>1</management>
              <networkId>1ot4#FWS#</networkId>
              <nicNo>1</nicNo>
            </nic>
            <nic>
              <management>0</management>
              <networkId>1ot4#FWS#</networkId>
              <nicNo>2</nicNo>
            </nic>
            <nic>
              <management>0</management>
              <networkId>1ot4#FWS#</networkId>
              <nicNo>3</nicNo>
            </nic>
          </nics>
          <lserverName>vserver-1</lserverName>
          <lserverNo>1</lserverNo>
```

```
        <serverType>over_commit</serverType>
      </lserver>
    </lservers>
    <lplatformdescriptorId>template-1325738ea5b</lplatformdescriptorId>
    <lplatformdescriptorName>firewall-test</lplatformdescriptorName>
  </lplatformdescriptor>
</GetLPlatformDescriptorConfigurationResponse>
```

2.1.3 GetPoolList (Gets a List of Resource Pools)

This API gets a list of resource pools.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "GetPoolList".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters
[type]	Description	Resource pool type. If this element is omitted, the API will return a list of all resource pools, regardless of their type.
	Type	ASCII string
	Value	Select one of the following values: - "vm": VM pool - "storage": Storage pool - "mac": MAC address set - "server": Server pool - "image": Image pool

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<GetPoolListResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <resourcepools>
    <imagepools>
      <imagepool>
        <imagepoolResourceId>[The resource ID of the image pool]</imagepoolResourceId>
        <name>[The resource name of the image pool]</name>
        <num>[Number of images]</num>
        <priority>[Priority order]</priority>
      </imagepool>
    </imagepools>
    <macaddresses>
      <macaddress>
        <free>[Number of vacant MAC addresses]</free>
        <macaddresspoolResourceId>[The resource ID of the MAC address set]</macaddresspoolResourceId>
        <name>[The resource name of the MAC address set]</name>
        <total>[Total number of MAC addresses]</total>
      </macaddress>
    </macaddresses>
    <serverpools>
      <serverpool>
        <free>[Total number of unused physical servers]</free>
        <name>[The resource name of the server pool]</name>
        <serverpoolResourceId>[The resource ID of the server pool]</serverpoolResourceId>
        <total>[Total number of physical servers]</total>
      </serverpool>
    </serverpools>
    <storagepools>
      <storagepool>
        <free>[Amount of free storage]</free>
        <maxDiskSize>[Maximum amount of disk space]</maxDiskSize>
        <name>[The resource name of the storage pool]</name>
        <priority>[Priority order]</priority>
        <storagepoolResourceId>[The resource ID of the storage pool]</storagepoolResourceId>
        <total>[Total amount of storage]</total>
      </storagepool>
    </storagepools>
    <vmpools>
      <vmpool>
        <cpuFree>[Free CPU capacity]</cpuFree>
        <cpuTotal>[Total CPU capacity]</cpuTotal>
        <maxCpuPerf>[Maximum CPU performance]</maxCpuPerf>
        <maxMemorySize>[Maximum amount of memory]</maxMemorySize>
        <memoryFree>[Amount of free memory]</memoryFree>
        <memoryTotal>[Total amount of memory]</memoryTotal>
        <name>[The resource name of the VM pool]</name>
        <numOfMaxCpu>[Maximum number of CPUs]</numOfMaxCpu>
        <priority>[Priority order]</priority>
        <vmpoolResourceId>[The resource ID of the VM pool]</vmpoolResourceId>
      </vmpool>
    </vmpools>
  </resourcepools>
</GetPoolListResponse>
```

<Elements>

Element name	Item	Item description
GetPoolListResponse	Description	Element holding the response information

Element name	Item	Item description
	Type	None
	Number of occurrences	1
resourcepools	Description	Element holding the response information for the resource pool information.
	Type	None
	Number of occurrences	1
imagepools	Description	Element holding the response information for the image pool information.
	Type	None
	Number of occurrences	0 or 1
imagepool	Description	Set of image pool information
	Type	None
	Number of occurrences	As many as there are imagepools elements (0 or more elements for each imagepools element).
imagepoolResourceId	Description	The resource ID of the image pool
	Type	ASCII string
	Number of occurrences	As many as there are imagepool elements (0 or 1 element for each imagepool element).
name	Description	The resource name of the image pool
	Type	UTF-8 string
	Number of occurrences	As many as there are imagepool elements (0 or 1 element for each imagepool element).
num	Description	Number of images
	Type	int
	Number of occurrences	As many as there are imagepool elements (0 or 1 element for each imagepool element).
priority	Description	Priority order
	Type	int
	Number of occurrences	As many as there are imagepool elements (0 or 1 element for each i imagepool element).
macaddresses	Description	Element holding the response information for the MAC address information.
	Type	None
	Number of occurrences	0 or 1
macaddress	Description	Set of MAC address information
	Type	None
	Number of occurrences	As many as there are macaddresses elements (0 or more elements for each macaddresses element).
free	Description	Number of vacant MAC addresses
	Type	int
	Number of occurrences	As many as there are macaddress elements (0 or 1 element for each macaddress element).
macaddresspoolResourceId	Description	The resource ID of the MAC address set
	Type	ASCII string

Element name	Item	Item description
	Number of occurrences	As many as there are macaddress elements (0 or 1 element for each macaddress element).
name	Description	The resource name of the MAC address set
	Type	UTF-8 string
	Number of occurrences	As many as there are macaddress elements (0 or 1 element for each macaddress element).
total	Description	Total number of MAC addresses
	Type	int
	Number of occurrences	As many as there are macaddress elements (0 or 1 element for each macaddress element).
serverpools	Description	Element holding the response information for the server pool information
	Type	None
	Number of occurrences	0 or 1
serverpool	Description	Set of server pool information
	Type	None
	Number of occurrences	As many as there are serverpools elements (0 or more elements for each serverpools element).
free	Description	Total number of unused physical servers
	Type	int
	Number of occurrences	As many as there are serverpool elements (0 or 1 element for each serverpool element).
name	Description	The resource name of the server pool
	Type	UTF-8 string
	Number of occurrences	As many as there are serverpool elements (0 or 1 element for each serverpool element).
serverpoolResourceId	Description	The resource ID of the server pool
	Type	ASCII string
	Number of occurrences	As many as there are serverpool elements (0 or 1 element for each serverpool element).
total	Description	Total number of physical servers
	Type	int
	Number of occurrences	As many as there are serverpool elements (0 or 1 element for each serverpool element).
storagepools	Description	Element holding the response information for the storage pool information
	Type	None
	Number of occurrences	0 or 1
storagepool	Description	Set of storage pool information
	Type	None
	Number of occurrences	As many as there are storagepools elements (0 or more elements for each storagepools element).
free	Description	Amount of free storage
	Type	decimal

Element name	Item	Item description
	Number of occurrences	As many as there are storagepool elements (0 or 1 element for each storagepool element).
maxDiskSize	Description	Maximum amount of disk space
	Type	decimal
	Number of occurrences	As many as there are storagepool elements (0 or 1 element for each storagepool element).
name	Description	The resource name of the storage pool
	Type	UTF-8 string
	Number of occurrences	As many as there are storagepool elements (0 or 1 element for each storagepool element).
priority	Description	Priority order
	Type	int
	Number of occurrences	As many as there are storagepool elements (0 or 1 element for each storagepool element).
storagepoolResrouceId	Description	The resource ID of the storage pool
	Type	ASCII string
	Number of occurrences	As many as there are storagepool elements (0 or 1 element for each storagepool element).
total	Description	Total amount of storage
	Type	decimal
	Number of occurrences	As many as there are storagepool elements (0 or 1 element for each storagepool element).
vmpools	Description	Element holding the response information for the VM pool information
	Type	None
	Number of occurrences	0 or 1
vmpool	Description	Set of VM pool information
	Type	None
	Number of occurrences	As many as there are vmpools elements (0 or more elements for each vmpools element).
cpuFree	Description	Free CPU capacity
	Type	decimal
	Number of occurrences	As many as there are vmpool elements (0 or 1 element for each vmpool element).
cpuTotal	Description	Total CPU capacity
	Type	decimal
	Number of occurrences	As many as there are vmpool elements (0 or 1 element for each vmpool element).
maxCpuPerf	Description	Maximum CPU performance
	Type	decimal
	Number of occurrences	As many as there are vmpool elements (0 or 1 element for each vmpool element).
maxMemorySize	Description	Maximum amount of memory

Element name	Item	Item description
	Type	decimal
	Number of occurrences	As many as there are vmpool elements (0 or 1 element for each vmpool element).
memoryFree	Description	Amount of free memory
	Type	decimal
	Number of occurrences	As many as there are vmpool elements (0 or 1 element for each vmpool element).
memoryTotal	Description	Total amount of memory
	Type	decimal
	Number of occurrences	As many as there are vmpool elements (0 or 1 element for each vmpool element).
name	Description	The resource name of the VM pool
	Type	UTF-8 string
	Number of occurrences	As many as there are vmpool elements (0 or 1 element for each vmpool element).
numOfMaxCpu	Description	Maximum number of CPUs
	Type	int
	Number of occurrences	As many as there are vmpool elements (0 or 1 element for each vmpool element).
priority	Description	Priority order
	Type	int
	Number of occurrences	As many as there are vmpool elements (0 or 1 element for each vmpool element).
vmpoolResourceId	Description	The resource ID of the VM pool
	Type	ASCII string
	Number of occurrences	As many as there are vmpool elements (0 or 1 element for each vmpool element).
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GetPoolListResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <resourcepools>
    <imagepools>
      <imagepool>
        <imagepoolResourceId>WIN-5EGJBQPP4SJ_9</imagepoolResourceId>
        <name>/ImagePool</name>
      </imagepool>
      <imagepool>
        <imagepoolResourceId>WIN-5EGJBQPP4SJ_3429</imagepoolResourceId>
        <name>/tenantA/ImagePool</name>
      </imagepool>
    </imagepools>
    <serverpools>
      <serverpool>
        <free>8</free>
        <name>/ServerPool</name>
        <serverpoolResourceId>WIN-5EGJBQPP4SJ_5</serverpoolResourceId>
        <total>9</total>
      </serverpool>
      <serverpool>
        <free>3</free>
        <name>/tenantA/ServerPool</name>
        <serverpoolResourceId>WIN-5EGJBQPP4SJ_5</serverpoolResourceId>
        <total>4</total>
      </serverpool>
    </serverpools>
    <storagepools>
      <storagepool>
        <free>99.2</free>
        <maxDiskSize>99.7</maxDiskSize>
        <name>/StoragePool</name>
        <storagepoolResourceId>WIN-5EGJBQPP4SJ_6</storagepoolResourceId>
        <total>99.7</total>
      </storagepool>
    </storagepools>
    <vmpools>
      <vmpool>
        <cpuFree>63.8</cpuFree>
        <cpuTotal>63.8</cpuTotal>
        <maxCpuPerf>2.6</maxCpuPerf>
        <maxMemorySize>13.7</maxMemorySize>
        <memoryFree>27.4</memoryFree>
        <memoryTotal>27.4</memoryTotal>
        <name>/VMHostPool</name>
        <numOfMaxCpu>12.0</numOfMaxCpu>
        <vmpoolResourceId>WIN-5EGJBQPP4SJ_4</vmpoolResourceId>
      </vmpool>
    </vmpools>
  </resourcepools>
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</GetPoolListResponse>
```

2.1.4 GetRulesetConfiguration (Obtain the Configuration Information for the Ruleset)

This API obtains the configuration information for a ruleset.

This API can be executed on both the firewall and server load balancer rulesets.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "GetRulesetConfiguration".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters
rulesetName	Description	Ruleset name
	Type	ASCII string
	Value	No more than 32 characters

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GetRulesetConfigurationResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <interfaces>
    <interface>
      <name>[Interface name]</name>
      <segmentType>[Segment identifier]</segmentType>
    </interface>
  </interfaces>
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <ruleset>
    <description>[Ruleset description]</description>
    <designtype>[UI type]</designtype>
    <lplatformModel>[L-Platform model]</lplatformModel>
    <name>[Ruleset name]</name>
    <numOfMaxSegment>[Maximum number of segments]</numOfMaxSegment>
    <numOfMaxVm>[Maximum number of virtual machines]</numOfMaxVm>
    <parameters>
```

```
            <parameter>
              <description>[Parameter description]</description>
              <name>[Parameter name]</name>
              <required>[Flag indicating whether value is required]</required>
              <summary>[Parameter summary]</summary>
              <syntax>[Parameter syntax]</syntax>
              <value>[Parameter value]</value>
              <view>[Show or hide parameter]</view>
            </parameter>
        </parameters>
        <parametergroups>
          <parametergroup>
              <id>[Parameter group ID]</id>
              <name>[Parameter group name]</name>
              <parameters>
                <parameter>
                  <description>[Parameter description]</description>
                  <name>[Parameter name]</name>
                  <required>[Flag indicating whether value is required]</required>
                  <summary>[Parameter summary]</summary>
                  <syntax>[Parameter syntax]</syntax>
                  <value>[Parameter value]</value>
                  <view>[Parameter display flag]</view>
                </parameter>
              </parameters>
          </parametergroup>
        </parametergroups>
        <rulesetCategory>[Ruleset type]</rulesetCategory>
        <type>[Network device type]</type>
      </ruleset>
      <configurations>
        <deviceModel>[Network device model]</deviceModel>
        <maxAccessRuleSetting>[Maximum number of access rules that can be handled by the ruleset]</
maxAccessRuleSetting>
        <maxProvision>[Maximum number of firewalls that can be deployed to a network device according to
the ruleset]</maxProvision>
      </configurations>
</GetRulesetConfigurationResponse>
```

<Elements>

Element name	Item	Item description
GetRulesetConfigurationResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
interfaces	Description	Element holding the response information for the interface information
	Type	None
	Number of occurrences	0 or 1
interface	Description	Set of interface information
	Type	None
	Number of occurrences	As many as there are interfaces elements (0 or more elements for each interfaces element).
name	Description	Interface name
	Type	UTF-8 string

Element name	Item	Item description
	Number of occurrences	As many as there are interface elements (0 or 1 element for each interface element).
segmentType	Description	Segment identifier
	Type	ASCII string
	Number of occurrences	As many as there are interface elements (0 or 1 element for each interface element).
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
ruleset	Description	Set of server load balancer ruleset information
	Type	None
	Number of occurrences	0 or 1
description	Description	Ruleset description
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
designtype	Description	UI type. Specify one of the following: - UserCustomize: User customization - Simple: Simple configuration
	Type	ASCII string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
lplatformModel	Description	L-Platform model. Select one of the following: - "Firewall+SLB": Firewall and server load balancer - "Firewall only": Firewall only - "SLB only": Server load balancer only
	Type	ASCII string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
name	Description	Ruleset name
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
numOfMaxSegment	Description	Maximum number of segments
	Type	int

Element name	Item	Item description
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
numOfMaxVm	Description	Maximum number of virtual machines
	Type	int
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parameters	Description	Element holding the response information for the ruleset parameter information
	Type	None
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parameter	Description	Set of ruleset parameter information
	Type	None
	Number of occurrences	As many as there are parameters elements (0 or more elements for each parameters element).
description	Description	Parameter description
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
name	Description	Parameter information name
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
required	Description	Specify whether parameter values must be specified using one of the following: - true: required - false: optional
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
summary	Description	Parameter summary
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
syntax	Description	Parameter syntax
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
value	Description	Parameter value
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
view	Description	Show or hide parameter

Element name	Item	Item description
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
parametergroups	Description	Element holding the response information for the parameter group information
	Type	None
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parametergroup	Description	Set of parameter group information
	Type	None
	Number of occurrences	As many as there are parametergroups elements (0 or more elements for each parametergroups element).
id	Description	Parameter group ID
	Type	UTF-8 string
	Number of occurrences	As many as there are parametergroup elements (0 or 1 element for each parametergroup element).
name	Description	Parameter group name
	Type	UTF-8 string
	Number of occurrences	As many as there are parametergroup elements (0 or 1 element for each parametergroup element).
parameters	Description	Element holding the response information for the parameter information
	Type	None
	Number of occurrences	As many as there are parametergroup elements (0 or 1 element for each parametergroup element).
parameter	Description	Set of parameter information
	Type	None
	Number of occurrences	As many as there are parameters elements (0 or more elements for each parameters element).
description	Description	Parameter description
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
name	Description	Parameter name
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
required	Description	Specify whether parameter values must be specified, using one of the following: - true : required - false : optional
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).

Element name	Item	Item description
summary	Description	Parameter summary
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
syntax	Description	Parameter syntax
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
value	Description	Parameter value
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
view	Description	Parameter display flag
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
rulesetCategory	Description	Ruleset type Select one of the following: - "config": Ruleset for configuration - "operation": Ruleset for operation
	Type	ASCII string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
type	Description	Network device type. Select one of the following: - "Firewall": Firewall - "SLB": Server load balancer
	Type	ASCII string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
configurations	Description	Device definition information. This element will only be displayed if the user interface type is "Simple configuration".
	Type	None
	Number of occurrences	0 or 1
deviceModel	Description	Network device model
	Type	ASCII string
	Number of occurrences	As many as there are configurations elements (0 or 1 element for each configurations element).
maxAccessRuleSetting	Description	Maximum number of access rules that can be handled by the ruleset
	Type	int
	Number of occurrences	As many as there are configurations elements (0 or 1 element for each configurations element).
maxProvision	Description	Maximum number of firewalls that can be deployed to a network device according to the ruleset

Element name	Item	Item description
	Type	int
	Number of occurrences	As many as there are configurations elements (0 or 1 element for each configurations element).

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
  <interfaces>
    <interface>
      <name>interface1</name>
      <segmentType>SECURE</segmentType>
    </interface>
    <interface>
      <name>interface2</name>
      <segmentType>DMZ</segmentType>
    </interface>
  </interfaces>
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <ruleset>
    <description>SLB server1</description>
    <designtype>UserCustomize</designtype>
    <lplatformModel>Firewall only</lplatformModel>
    <name>Firewall1</name>
    <numOfMaxSegment>3</numOfMaxSegment>
    <numOfMaxVm>10</numOfMaxVm>
    <parameters>
      <parameter>
        <description>param1 int 0-65535</description>
        <name>param_var_001</name>
        <required>true</required>
        <summary>param1</summary>
        <syntax>INTEGER(0..65535)</syntax>
        <value>400</value>
        <view>true</view>
      </parameter>
      <parameter>
        <description>param2 int 0-256</description>
        <name>param_var_002</name>
        <required>true</required>
        <summary>param2</summary>
        <syntax>INTEGER(0..256)</syntax>
        <value>200</value>
        <view>true</view>
      </parameter>
    </parameters>
    <rulesetCategory>config</rulesetCategory>
    <type>Firewall</type>
  </ruleset>
</GetRulesetConfigurationResponse>
```

2.1.5 ListDiskImage (Gets a List of Cloning Images)

This API gets a list of the disk image IDs in the virtual data center. Specify the product ID corresponding to the content of the disk image when registering disk images.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "ListDiskImage".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ListDiskImageResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <diskimages>
    <diskimage>
      <creatorName>[Organization ID of the person who created the disk image]</creatorName>
      <diskimageId>[Disk image ID]</diskimageId>
      <diskimageName>[Disk image name]</diskimageName>
      <disks>
        <disk>
          <diskSize>[Disk size]</diskSize>
          <no>[Disk serial number]</no>
        </disk>
      </disks>
      <maxCpuPerf>[Maximum CPU performance]</maxCpuPerf>
      <maxDiskSize>[Maximum amount of disk space]</maxDiskSize>
      <maxMemorySize>[Maximum amount of memory]</maxMemorySize>
      <maxSysvolSize>[Maximum capacity of system disk]</maxSysvolSize>
      <name>[Disk image information name]</name>
      <numOfMaxCpu>[Maximum number of CPUs]</numOfMaxCpu>
      <numOfMaxDisk>[Maximum number of disks]</numOfMaxDisk>
      <numOfMaxNic>[Maximum number of NICs]</numOfMaxNic>
      <patches>
        <patch>
          <componentName>[Component name]</componentName>
          <description>[Patch description]</description>
          <patchId>[Patch ID]</patchId>
```

```
        <softwareId>[Software ID]</softwareId>
      </patch>
    </patches>
    <registrant>[ID of the person who registered the disk image]</registrant>
    <size>[Disk image size]</size>
    <softwares>
      <software>
        <category>[Software category]</category>
        <license>[License]</license>
        <name>[Software name]</name>
        <officialVersion>[Official version]</officialVersion>
        <osCategory>[Operating system category]</osCategory>
        <patch>[Patch version number]</patch>
        <softwareId>[Software ID]</softwareId>
        <support>[Support]</support>
        <version>[Version]</version>
      </software>
    </softwares>
    <storeType>[Storage location type]</storeType>
    <vdi>[Use of VDI coordination]</vdi>
    <vmType>[Virtual machine type]</vmType>
  </diskimage>
 </diskimages>
 <responseMessage>[Message]</responseMessage>
 <responseStatus>[Status]</responseStatus>
</ListDiskImageResponse>
```

<Elements>

Element name	Item	Item description
ListDiskImageResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
diskimages	Description	Element holding the response information for the disk image information.
	Type	None
	Number of occurrences	0 or 1
diskimage	Description	Set of disk image information
	Type	None
	Number of occurrences	As many as there are diskimages elements (0 or more elements for each diskimages element).
creatorName	Description	The tenant name of the person who created the disk image
	Type	ASCII string
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
diskimageId	Description	Disk image ID
	Type	ASCII string
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
diskimageName	Description	Disk image name
	Type	ASCII string

Element name	Item	Item description
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
disks	Description	Element holding the response information for the disk information
	Type	None
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
disk	Description	Set of disk information
	Type	None
	Number of occurrences	As many as there are disks elements (0 or more elements for each disks element).
diskSize	Description	Disk size. The units are "GB".
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
no	Description	Disk serial number
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
maxCpuPerf	Description	Maximum CPU performance
	Type	decimal
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
maxDiskSize	Description	Maximum amount of disk space
	Type	decimal
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
maxMemorySize	Description	Maximum amount of memory
	Type	decimal
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
maxSysvolSize	Description	Maximum capacity of system disk
	Type	decimal
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
name	Description	Disk image information name
	Type	ASCII string
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
numOfMaxCpu	Description	Maximum number of CPUs
	Type	int
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
numOfMaxDisk	Description	Maximum number of disks
	Type	int

Element name	Item	Item description
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
numOfMaxNic	Description	Maximum number of NICs
	Type	int
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
patches	Description	Element holding the response information for the patch information.
	Type	None
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
patch	Description	Set of patch information
	Type	None
	Number of occurrences	As many as there are patches elements (0 or more elements for each patches element).
componentName	Description	Component name
	Type	UTF-8 string
	Number of occurrences	As many as there are patch elements (0 or 1 element for each patch element).
description	Description	Patch description
	Type	UTF-8 string
	Number of occurrences	As many as there are patch elements (0 or 1 element for each patch element).
patchId	Description	Patch ID
	Type	ASCII string
	Number of occurrences	As many as there are patch elements (0 or 1 element for each patch element).
softwareId	Description	Software ID
	Type	ASCII string
	Number of occurrences	As many as there are patch elements (0 or 1 element for each software element).
registrant	Description	The ID of the person who registered the disk image
	Type	ASCII string
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
size	Description	Disk image size. The units are "GB".
	Type	decimal
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
softwares	Description	Element holding the response information for the software information.
	Type	None
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
software	Description	Set of software information

Element name	Item	Item description
	Type	None
	Number of occurrences	As many as there are softwares elements (0 or more elements for each softwares element).
category	Description	Software category
	Type	UTF-8 string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
license	Description	License
	Type	UTF-8 string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
name	Description	Software name
	Type	UTF-8 string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
officialVersion	Description	Official version
	Type	UTF-8 string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
osCategory	Description	Operating system category
	Type	UTF-8 string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
patch	Description	Patch version
	Type	UTF-8 string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
softwareId	Description	Software ID
	Type	ASCII string
	Number of occurrences	As many as there are software elements (0 or 1 element for each patch element).
support	Description	Support
	Type	UTF-8 string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
version	Description	Version number
	Type	UTF-8 string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
storeType	Description	Storage location type. This is one of the following: - "Virtual Disk": Virtual storage - "Raw Disk": Existing disk
	Type	ASCII string

Element name	Item	Item description
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
vdi	Description	Specifies whether to use VDI coordination. - true: Use VDI coordination When the VDI coordination is not used, this tag is not displayed.
	Type	ASCII string
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
vmType	Description	Virtual machine type. Refer to "15.2.2 Virtual L-Server Templates" in the "Reference Guide (Command/XML) CE" for details.
	Type	ASCII string
	Number of occurrences	As many as there are diskimage elements (0 or 1 element for each diskimage element).
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<ListDiskImageResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <diskimages>
    <diskimage>
      <creatorName>cfmgadm</creatorName>
      <diskimageId>image-13f2b6162a3</diskimageId>
      <diskimageName>g-vm-0002</diskimageName>
      <disks>
        <disk>
          <diskSize>400.0</diskSize>
          <no>3</no>
        </disk>
        <disk>
          <diskSize>500.0</diskSize>
          <no>5</no>
        </disk>
      </disks>
      <maxCpuPerf>1.4</maxCpuPerf>
      <maxDiskSize>500.0</maxDiskSize>
      <maxMemorySize>2.0</maxMemorySize>
      <maxSysvolSize>70.0</maxSysvolSize>
      <name>data_disks</name>
```

```xml
      <numOfMaxCpu>1</numOfMaxCpu>
      <numOfMaxDisk>5</numOfMaxDisk>
      <numOfMaxNic>1</numOfMaxNic>
      <registrant>manage1</registrant>
      <size>70.0</size>
      <softwares>
        <software>
          <category>OS</category>
          <license/>
          <name>Windows Server 2008 R2 Enterprise</name>
          <officialVersion/>
          <osCategory>windows64</osCategory>
          <patch/>
          <softwareId>SW00000007</softwareId>
          <support/>
          <version>6.1</version>
        </software>
      </softwares>
      <vmType>VMware</vmType>
  </diskimage>
  <diskimage>
      <creatorName>cfmgadm</creatorName>
      <diskimageId>image-13d23c1c832</diskimageId>
      <diskimageName>g-vm-0001</diskimageName>
      <maxCpuPerf>3.2</maxCpuPerf>
      <maxDiskSize>30.0</maxDiskSize>
      <maxMemorySize>8.0</maxMemorySize>
      <maxSysvolSize>50.0</maxSysvolSize>
      <name>solaristest</name>
      <numOfMaxCpu>4</numOfMaxCpu>
      <numOfMaxDisk>1</numOfMaxDisk>
      <numOfMaxNic>1</numOfMaxNic>
      <patches>
        <patch>
          <componentName/>
          <description/>
          <patchId>PATCH1</patchId>
          <softwareId>SW00000016</softwareId>
        </patch>
        <patch>
          <componentName/>
          <description/>
          <patchId>PATCH2</patchId>
          <softwareId>SW00000016</softwareId>
        </patch>
      </patches>
      <registrant>manage1</registrant>
      <size>50.0</size>
      <softwares>
        <software>
          <category>OS</category>
          <license/>
          <name>FreeOS</name>
          <officialVersion/>
          <osCategory>other</osCategory>
          <patch/>
          <softwareId>SW00000016</softwareId>
          <support/>
          <version>1.0</version>
        </software>
      </softwares>
      <vmType>VMware</vmType>
  </diskimage>
```

```
      </diskimages>
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</ListDiskImageResponse>
```

2.1.6 ListFirewallRuleset (Obtain a List of Firewall Rulesets)

This API obtains a list of firewall rulesets.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "ListFirewallRuleset ".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<ListFirewallRulesetResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <rulesets>
    <ruleset>
      <description>[Ruleset description]</description>
      <lplatformModel>[L-Platform model]</lplatformModel>
      <name>[Ruleset name]</name>
      <numOfMaxSegment>[Maximum number of segments]</numOfMaxSegment>
      <numOfMaxVm>[Maximum number of virtual machines]</numOfMaxVm>
      <rulesetCategory>[Ruleset type]</rulesetCategory>
      <type>[Network device type]</type>
```

```
        </ruleset>
      </rulesets>
</ListFirewallRulesetResponse>
```

<Elements>

Element name	Item	Item description
ListFirewallRulesetResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
rulesets	Description	Element holding the response information for the firewall ruleset information
	Type	None
	Number of occurrences	0 or 1
ruleset	Description	Set of firewall ruleset information
	Type	None
	Number of occurrences	As many as there are rulesets elements (0 or more elements for each rulesets element).
description	Description	Ruleset description
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
lplatformModel	Description	L-Platform model. Select one of the following: - "Firewall+SLB": Firewall and server load balancer - "Firewall only": Firewall only
	Type	ASCII string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
name	Description	Ruleset name
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
numOfMaxSegment	Description	Maximum number of segments

Element name	Item	Item description
	Type	int
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
numOfMaxVm	Description	Maximum number of virtual machines
	Type	int
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
rulesetCategory	Description	Ruleset type
	Type	ASCII string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
type	Description	Network device type. This is the following value: - "Firewall": Firewall
	Type	ASCII string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ListFirewallRulesetResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <rulesets>
    <ruleset>
      <description>3 tier firewall system(scope is within 3 tiers) that used Simple UI</description>
      <lplatformModel>Firewall+SLB</lplatformModel>
      <name>Simple_FW_setting_for_NS</name>
      <numOfMaxSegment>3</numOfMaxSegment>
      <numOfMaxVm>10</numOfMaxVm>
      <rulesetCategory>config</rulesetCategory>
      <type>Firewall</type>
    </ruleset>
    <ruleset>
      <description>Operation to display logs for Simple UI.</description>
      <name>Simple_log_display_for_NS</name>
      <rulesetCategory>operation</rulesetCategory>
      <type>Firewall</type>
    </ruleset>
  </rulesets>
</ListFirewallRulesetResponse>
```

2.1.7 ListLPlatformDescriptor (Gets a List of Templates)

This API gets a list of the templates in the virtual data center.
At the same time, the API also gets attribute information for templates.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "ListLPlatformDescriptor".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters
[keyword]	Description	Keyword for filtering which templates to display in the list. If this parameter is specified, only those templates that include the specified keyword will be included in the response.
	Type	UTF-8 string
	Value	No more than 85 characters

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ListLPlatformDescriptorResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <lplatformdescriptors>
    <lplatformdescriptor>
      <creatorName>[Tenant name of the person who created the L-Platform template]</creatorName>
      <description>[Description of the L-Platform template]</description>
      <registrant>[ID of the person who registered the L-Platform template]</registrant>
      <lplatformdescriptorId>[L-Platform template ID]</lplatformdescriptorId>
      <lplatformdescriptorName>[L-Platform template name]</lplatformdescriptorName>
    </lplatformdescriptor>
  </lplatformdescriptors>
</ListLPlatformDescriptorResponse>
```

<Elements>

Element name	Item	Item description
ListLPlatformDescriptorResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
lplatformdescriptors	Description	Element holding the response information for the L-Platform template list
	Type	None
	Number of occurrences	0 or 1
lplatformdescriptor	Description	Set of L-Platform template information
	Type	None
	Number of occurrences	As many as there are lplatformdescriptors elements (0 or more elements for each lplatformdescriptors element).
creatorName	Description	The tenant name of the person who created the L-Platform template.
	Type	ASCII string
	Number of occurrences	As many as there are lplatformdescriptor elements (0 or 1 element for each lplatformdescriptor element).
description	Description	Description of the L-Platform template
	Type	UTF-8 string
	Number of occurrences	As many as there are lplatformdescriptor elements (0 or 1 element for each lplatformdescriptor element).
registrant	Description	The ID of the person who registered the L-Platform template.
	Type	ASCII string
	Number of occurrences	As many as there are lplatformdescriptor elements (0 or 1 element for each lplatformdescriptor element).
lplatformdescriptorId	Description	L-Platform template ID
	Type	ASCII string
	Number of occurrences	As many as there are lplatformdescriptor elements (0 or 1 element for each lplatformdescriptor element).
lplatformdescriptorName	Description	L-Platform template name
	Type	UTF-8 string

Element name	Item	Item description
	Number of occurrences	As many as there are lplatformdescriptor elements (0 or 1 element for each lplatformdescriptor element).

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ListLPlatformDescriptorResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <lplatformdescriptors>
    <lplatformdescriptor>
      <creatorName>cfmgadm</creatorName>
      <description>desc</description>
      <registrant>cfmgadm</registrant>
      <lplatformdescriptorId>TMPL_Win2k8x86_0826_GL</lplatformdescriptorId>
      <lplatformdescriptorName>Win2k8x86_0826</lplatformdescriptorName>
    </lplatformdescriptor>
    <lplatformdescriptor>
      <creatorName>cfmgadm</creatorName>
      <description>desc</description>
      <registrant>cfmgadm</registrant>
      <lplatformdescriptorId>TMPL_Win2k8x86_0826_net</lplatformdescriptorId>
      <lplatformdescriptorName>Win2k8x86_0826_net</lplatformdescriptorName>
    </lplatformdescriptor>
  </lplatformdescriptors>
</ListLPlatformDescriptorResponse>
```

2.1.8 ListNetworkResource (Obtain a List of Network Resources)

This API obtains a list of network resources.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "ListNetworkResource".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string

Parameter name	Item	Item description
	Value	No more than 32 characters
[networkCategory]	Description	Network type. A network resource of the specified network type is obtained.
	Type	ASCII string
	Value	Specify one of the following: - MANAGEMENT: A network resource with MANAGEMENT specified as the network type is obtained. - BUSINESS: A network resource with BUSINESS specified as the network type is obtained. All network resources are obtained if this is not specified.
[segmentType]	Description	Segment identifier information. A network resource matching that registered in the segment identifier information is obtained.
	Type	ASCII string
	Value	No more than 32 characters
[showTenant]	Description	Tenant name display options
	Type	ASCII string
	Value	Specify one of the following values: - "true": Display of tenant name. - "false": No display of tenant name. When omitted, "false" is assumed.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<ListNetworkResourceResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <networks>
    <network>
      <addressSet>
        <end>[End address of the address set]</end>
        <mask>[Net mask of the address set]</mask>
        <name>[Address set name]</name>
        <start>[Beginning address of the address set]</start>
        <subnet>[Subnet address of the address set]</subnet>
      </addressSet>
      <addressSetStatus>
        <avail>[Number of available addresses in the address set]</avail>
        <num>[Number of addresses in the address set]</num>
        <used>[Number of reserved addresses in the address set]</used>
      </addressSetStatus>
      <excludeaddressranges>
        <excludeaddressrange>
          <start>[Beginning address of the exclude address]</start>
          <end>[End address of the exclude address]</end>
        </excludeaddressrange>
      </excludeaddressranges>
      <comment>[comment]</comment>
      <gateway>[Default gateway]</gateway>
```

```
        <locked>[Flag indicating whether the network resource is locked]</locked>
        <networkCategory>[Network type]</networkCategory>
        <resourceId>[network resource ID]</resourceId>
        <resourceName>[network resource name]</resourceName>
        <resourceType>[Network resource type]</resourceType>
        <segmentType>[Segment identifier information]</segmentType>
        <tenantName>[Tenant name of the network resource pool]</tenantName>
        <vlanId>[VLANID]</vlanId>
      </network>
    </networks>
    <responseMessage>[Message]</responseMessage>
    <responseStatus>[Status]</responseStatus>
</ListNetworkResourceResponse>
```

<Elements>

Element name	Item	Item description
ListNetworkResourceResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
networks	Description	Element holding the response information for the network information
	Type	None
	Number of occurrences	0 or 1
network	Description	Set of network information
	Type	None
	Number of occurrences	As many as there are networks elements (0 or more elements for each networks element).
addressSet	Description	Set of address set information
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
end	Description	End address of the address set
	Type	ASCII string
	Number of occurrences	As many as there are addressSet elements (0 or 1 element for each addressSet element).
mask	Description	Net mask of the address set
	Type	ASCII string
	Number of occurrences	As many as there are addressSet elements (0 or 1 element for each addressSet element).
name	Description	Address set name
	Type	ASCII string
	Number of occurrences	As many as there are addressSet elements (0 or 1 element for each addressSet element).
start	Description	Beginning address of the address set
	Type	ASCII string

Element name	Item	Item description
	Number of occurrences	As many as there are addressSet elements (0 or 1 element for each addressSet element).
subnet	Description	Subnet address of the address set
	Type	ASCII string
	Number of occurrences	As many as there are addressSet elements (0 or 1 element for each addressSet element).
addressSetStatus	Description	Status information of the address set
	Type	None
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
avail	Description	Number of available addresses in the address set
	Type	ASCII string
	Number of occurrences	As many as there are addressSetStatus elements (0 or 1 element for each addressSetStatus element).
num	Description	Number of addresses in the address set
	Type	ASCII string
	Number of occurrences	As many as there are addressSetStatus elements (0 or 1 element for each addressSetStatus element).
used	Description	Number of reserved addresses in the address set
	Type	ASCII string
	Number of occurrences	As many as there are addressSetStatus elements (0 or 1 element for each addressSetStatus element).
excludeaddressranges	Description	Element holding the response information for the exclude address information
	Type	None
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
excludeaddressrange	Description	Set of exclude address information
	Type	None
	Number of occurrences	As many as there are excludeaddressranges elements (0 or more elements for each excludeaddressranges element).
start	Description	Beginning address of the exclude address
	Type	ASCII string
	Number of occurrences	As many as there are excludeaddressrange elements (0 or 1 element for each excludeaddressrange element).
end	Description	End address of the exclude address
	Type	ASCII string
	Number of occurrences	As many as there are excludeaddressrange elements (0 or 1 element for each excludeaddressrange element).
comment	Description	comment
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).

Element name	Item	Item description
gateway	Description	Default gateway
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
locked	Description	Resource locked status. Flag indicating whether the network resource is locked for DR. - true: locked - false: unlocked When tag does not exist, it is unlocked. The following limitation applies to locked network resources: - An error occurs if an L-Platform template that contains a locked network resource is used with CreateLPlatform. - An error occurs if a locked network resource is added to an L-Platform using CreateNetwork. - An error occurs if a server connected to a locked network resource is added using CreateLServer. - An error occurs if an NIC is added to a locked network resource using CreateNic.
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
networkCategory	Description	Network type
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
resourceId	Description	Network resource ID
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
resourceName	Description	Network resource name
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
resourceType	Description	Network resource type
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
segmentType	Description	Segment identifier information
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
tenantName	Description	Tenant name of the network resource pool
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).

Element name	Item	Item description
vlanId	Description	VLANID
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ListNetworkResourceResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <networks>
    <network>
      <addressSet>
        <end>192.xxx.xxx.xxx</end>
        <mask>255.xxx.xxx.xxx</mask>
        <name>addr_set10</name>
        <start>192.xxx.xxx.xxx</start>
        <subnet>192.xxx.xxx.xxx</subnet>
      </addressSet>
      <addressSetStatus>
        <avail>138</avail>
        <num>140</num>
        <used>2</used>
      </addressSetStatus>
      <excludeaddressranges/>
      <locked>true</locked>
      <networkCategory>BUSINESS</networkCategory>
      <resourceId>network-t-0001</resourceId>
      <resourceName>tenantA-DMZ</resourceName>
      <segmentType>DMZ</segmentType>
      <tenantName>tenantA</tenantName>
      <vlanId>11</vlanId>
    </network>
  </networks>
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</ListNetworkResourceResponse>
```

2.1.9 ListServerType (Gets a List of L-Server Templates)

This API gets a list of the server image types in the virtual data center.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "ListServerType".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ListServerTypeResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <servertypes>
    <servertype>
      <comment>[Comment]</comment>
      <cpu>
        <cpuArch>[CPU architecture]</cpuArch>
        <cpuPerf>[CPU performance]</cpuPerf>
        <cpuReserve>[CPU reserve performance]</cpuReserve>
        <cpuShare>[CPU allotment ratio]</cpuShare>
        <numOfCpu>[Number of CPUs]</numOfCpu>
      </cpu>
      <disks>
        <disk>
          <diskIndex>[Disk index]</diskIndex>
          <diskSize>[Disk capacity]</diskSize>
        </disk>
      </disks>
      <id>[ID]</id>
      <label>[Label]</label>
      <memory>
        <memoryReserve>[Reserved memory capacity]</memoryReserve>
```

```
        <memoryShare>[Memory allotment ratio]</memoryShare>
        <memorySize>[Memory size]</memorySize>
      </memory>
      <name>[L-Server template name]</name>
      <nics>
        <numOfNIC>[Number of NICs]</numOfNIC>
      </nics>
      <serverPolicy>
        <aliveMonitoring>[Heartbeat]</aliveMonitoring>
        <positioning>[Operation positioning]</positioning>
        <redundancy>[Redundancy]</redundancy>
        <repurpose>[Server automatically released when power is off]</repurpose>
      </serverPolicy>
      <lserverType>[Server type]</lserverType>
      <vmType>[Virtual machine type]</vmType>
    </servertype>
  </servertypes>
</ListServerTypeResponse>
```

<Elements>

Element name	Item	Item description
ListServerTypeResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
servertypes	Description	Element holding the response information for the server type information
	Type	None
	Number of occurrences	0 or 1
servertype	Description	Set of server type information
	Type	None
	Number of occurrences	As many as there are servertypes elements (0 or more elements for each servertypes element).
comment	Description	Comment
	Type	UTF-8 string
	Number of occurrences	As many as there are servertype elements (0 or 1 element for each servertype element).
cpu	Description	Set of CPU information

Element name	Item	Item description
	Type	None
	Number of occurrences	As many as there are servertype elements (0 or 1 element for each servertype element).
cpuArch	Description	CPU architecture. One of the following values: - "IA": IA - "SPARC": SPARC
	Type	ASCII string
	Number of occurrences	As many as there are cpu elements (0 or 1 element for each cpu element).
cpuPerf	Description	CPU performance
	Type	decimal
	Number of occurrences	As many as there are cpu elements (0 or 1 element for each cpu element).
cpuReserve	Description	CPU reserve performance
	Type	decimal
	Number of occurrences	As many as there are cpu elements (0 or 1 element for each cpu element).
cpuShare	Description	CPU allotment ratio
	Type	int
	Number of occurrences	As many as there are cpu elements (0 or 1 element for each cpu element).
numOfCpu	Description	Number of CPUs
	Type	int
	Number of occurrences	As many as there are cpu elements (0 or 1 element for each cpu element).
disks	Description	Element holding the response information for the disk information.
	Type	None
	Number of occurrences	As many as there are servertype elements (0 or 1 element for each servertype element).
disk	Description	Set of disk information
	Type	None
	Number of occurrences	As many as there are disks elements (0 or more elements for each disks element).
diskIndex	Description	Disk index
	Type	int
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
diskSize	Description	Disk capacity
	Type	decimal
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
id	Description	Servertype ID
	Type	ASCII string
	Number of occurrences	As many as there are servertype elements (0 or 1 element for each servertype element).
label	Description	Label
	Type	UTF-8 string

Element name	Item	Item description
	Number of occurrences	As many as there are servertype elements (0 or 1 element for each servertype element).
lservertype	Description	Server type. One of the following values: - "Physical": Physical server - "Virtual": Virtual server
	Type	ASCII string
	Number of occurrences	As many as there are servertype elements (0 or 1 element for each servertype element).
memory	Description	Set of memory information
	Type	None
	Number of occurrences	As many as there are servertype elements (0 or 1 element for each servertype element).
memoryReserve	Description	Reserved memory capacity
	Type	decimal
	Number of occurrences	As many as there are memory elements (0 or 1 element for each memory element).
memoryShare	Description	Memory allotment ratio
	Type	int
	Number of occurrences	As many as there are memory elements (0 or 1 element for each memory element).
memorySize	Description	Memory size
	Type	decimal
	Number of occurrences	As many as there are memory elements (0 or 1 element for each memory element).
name	Description	L-Server template name
	Type	UTF-8 string
	Number of occurrences	As many as there are servertype elements (0 or 1 element for each servertype element).
nics	Description	Set of NIC information
	Type	None
	Number of occurrences	As many as there are servertype elements (0 or 1 element for each servertype element).
numOfNIC	Description	Number of NICs
	Type	int
	Number of occurrences	As many as there are nics elements (0 or 1 element for each nics element).
serverPolicy	Description	Set of server policy information
	Type	None
	Number of occurrences	As many as there are servertype elements (0 or 1 element for each servertype element).
aliveMonitoring	Description	Heartbeat. One of the following values: - true: valid - false: invalid
	Type	ASCII string

Element name	Item	Item description
	Number of occurrences	As many as there are serverPolicy elements (0 or 1 element for each serverPolicy element).
positioning	Description	Operation positioning. One of the following values: - "Fixed": The position is fixed - "AttachAtBoot": The position can be varied at boot time - "Flexible": The position can be varied during operations
	Type	ASCII string
	Number of occurrences	As many as there are serverPolicy elements (0 or 1 element for each serverPolicy element).
redundancy	Description	Redundancy
	Type	UTF-8 string
	Number of occurrences	As many as there are serverPolicy elements (0 or 1 element for each serverPolicy element).
repurpose	Description	Server automatically released when power is off. Select one of the following: - true: Automatically release - false: Do not release
	Type	ASCII string
	Number of occurrences	As many as there are serverPolicy elements (0 or 1 element for each serverPolicy element).
vmType	Description	Virtual machine type. Refer to "15.2.2 Virtual L-Server Templates" in the "Reference Guide (Command/XML) CE" for details.
	Type	ASCII string
	Number of occurrences	As many as there are servertype elements (0 or 1 element for each servertype element).

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ListServerTypeResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <servertypes>
    <servertype>
      <comment>comment1</comment>
      <cpu>
        <cpuArch>IA</cpuArch>
        <cpuPerf>2.6</cpuPerf>
        <cpuReserve>0.0</cpuReserve>
        <cpuShare>1000</cpuShare>
        <numOfCpu>4</numOfCpu>
      </cpu>
      <disks>
        <disk>
          <diskIndex>0</diskIndex>
          <diskSize>100</diskSize>
        </disk>
      </disks>
      <id>template-0001</id>
      <label>vmware-template-1</label>
      <lserverType>Virtual</lserverType>
```

```
      <memory>
        <memoryReserve>8</memoryReserve>
        <memoryShare>81920</memoryShare>
        <memorySize>8</memorySize>
      </memory>
      <name>High_Performance</name>
      <nics>
        <numOfNIC>1</numOfNIC>
      </nics>
      <serverPolicy>
        <positioning>Fixed</positioning>
        <redundancy>None</redundancy>
        <repurpose>true</repurpose>
      </serverPolicy>
      <vmType>VMware</vmType>
    </servertype>
    <servertype>
      <comment>comment2</comment>
      <cpu>
        <cpuArch>IA</cpuArch>
        <cpuPerf>2.0</cpuPerf>
        <numOfCpu>2</numOfCpu>
      </cpu>
      <disks>
        <disk>
          <diskIndex>0</diskIndex>
          <diskSize>100</diskSize>
        </disk>
      </disks>
      <id>template-0002</id>
      <label>physical-template-2</label>
      <lserverType>Physical</lserverType>
      <memory>
        <memorySize>4</memorySize>
      </memory>
      <name>Middle_Spec</name>
      <nics>
        <numOfNIC>1</numOfNIC>
      </nics>
      <serverPolicy>
        <aliveMonitoring>false</aliveMonitoring>
        <positioning>Fixed</positioning>
        <redundancy>HA</redundancy>
        <repurpose>false</repurpose>
      </serverPolicy>
    </servertype>
  </servertypes>
</ListServerTypeResponse>
```

2.1.10 ListSLBRuleset (Obtain a List of Server Load Balancer Rulesets)

This API obtains a list of the server load balancer rulesets.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".

Parameter name	Item	Item description
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "ListSLBRuleset ".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters
[rulesetCategory]	Description	Ruleset type. All ruleset types are obtained if this is omitted.
	Type	ASCII string
	Value	Select one of the following: - "config": Ruleset for configuration - "operation": Ruleset for operation

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ListSLBRulesetResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <rulesets>
    <ruleset>
      <description>[Ruleset description]</description>
      <lplatformModel>[L-Platform model]</lplatformModel>
      <name>[Ruleset name]</name>
      <numOfMaxSegment>[Maximum number of segments]</numOfMaxSegment>
      <numOfMaxVm>[Maximum number of virtual machines]</numOfMaxVm>
      <rulesetCategory>[Ruleset type]</rulesetCategory>
      <type>[Network device type]</type>
    </ruleset>
  </rulesets>
</ListSLBRulesetResponse>
```

<Elements>

Element name	Item	Item description
ListSLBRulesetResponse	Description	Element holding the response information

Element name	Item	Item description
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
rulesets	Description	Element holding the response information for the ruleset list of the server load balancer
	Type	None
	Number of occurrences	0 or 1
ruleset	Description	Set of server load balancer ruleset information
	Type	None
	Number of occurrences	As many as there are rulesets elements (0 or more elements for each rulesets element).
description	Description	Ruleset description
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
lplatformModel	Description	L-Platform model. Select one of the following: - "Firewall+SLB": Firewall and server load balancer - "Firewall only": Firewall only
	Type	ASCII string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
name	Description	Ruleset name
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
numOfMaxSegment	Description	Maximum number of segments
	Type	int
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
numOfMaxVm	Description	Maximum number of virtual machines
	Type	int

Element name	Item	Item description
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
rulesetCategory	Description	Ruleset type
	Type	ASCII string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
type	Description	Network device type. This is the following value: - "SLB": Server load balancer
	Type	ASCII string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ListSLBRulesetResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <rulesets>
    <ruleset>
      <description>SLB server1</description>
      <lplatformModel>SLB only</lplatformModel>
      <name>slb_config1</name>
      <numOfMaxSegment>5</numOfMaxSegment>
      <numOfMaxVm>15</numOfMaxVm>
      <rulesetCategory>config</rulesetCategory>
      <type>SLB</type>
    </ruleset>
    <ruleset>
      <description>SLB server2</description>
      <lplatformModel>Firewall+SLB</lplatformModel>
      <name>slb_config2a</name>
      <numOfMaxSegment>5</numOfMaxSegment>
      <numOfMaxVm>15</numOfMaxVm>
      <rulesetCategory>config</rulesetCategory>
      <type>SLB</type>
    </ruleset>
  </rulesets>
</ListSLBRulesetResponse>
```

2.2 Operations on L-Platform Systems

This section explains the L-Platform APIs relating to operations on L-Platform systems.

2.2.1 CreateLPlatform (Creates an L-Platform)

This API creates an L-Platform based on a template.
If the template contains servers with the same name, then each one will be suffixed with a unique number (starting from 1).

This API is executed asynchronously. During deployment the status of the L-Platform shifts to DEPLOYING, while configuring software it shifts to SETUP, and when deployment is complete, the status of the L-Platform becomes NORMAL.
Operation of an L-Platform is not possible until the status of the L-Platform has shifted to NORMAL.
Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

Note

- When a physical server is included in a template, only two APIs can be executed simultaneously, due to the limitations of the hardware that is set.
  When creating 2 or more L-Platforms with physical servers, leave some time between the executions of this API.

- When an L-Platform template that includes a segment specifying [Auto-Select] is specified, limit the number of CreateLPlatform APIs that are simultaneously executed so that the number of IP addresses required on all L-Platforms that will be deployed concurrently is no greater than the highest number of available IP addresses in those segments that will be selected automatically.
  For example, if two segments will be selected automatically, and these segments have 5 and 4 available IP addresses respectively, up to five APIs can be executed simultaneously if one IP address per L-Platform is required.

- When there are multiple servers that use VDI coordination in the target L-Platform template, it is not possible to create an L-Platform using this API.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "CreateLPlatform".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformDescriptorId	Description	L-Platform template ID.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformName	Description	L-Platform name.
	Type	UTF-8 string
	Value	No more than 85 characters. However, linefeed codes and the following characters cannot be specified: < > & ' "
vdiUser	Description	VDI user name
	Type	UTF-8 string
	Value	Specify this when there is a server that uses VDI coordination in the L-Platform to be deployed, and the user of VDI differs from the one specified in "userId". If this is specified when there is no server that uses VDI coordination, it will be ignored.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<CreateLPlatformResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <lplatformId>[L-Platform ID]</lplatformId>
</CreateLPlatformResponse>
```

<Elements>

Element name	Item	Item description
CreateLPlatformResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Number of occurrences	0 or 1

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<CreateLPlatformResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <lplatformId>LPLATFORM000001</lplatformId>
</CreateLPlatformResponse>
```

2.2.2 CreateNetwork (Add Network Segment to L-Platform)

This API adds a network segment to an L-Platform.
The network segment being added must be registered beforehand.

An automatically selected segment is added when resourceId is omitted.
Specify networkCategory when resourceId is not specified. A segmentType can be omitted.
Do not specify networkCategory and segmentType when resourceId is specified.

It cannot be used in the following cases:

  - The target L-Platform has Solaris Zones servers not managed by BladeLogic.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "CreateNetwork ".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	ID of the L-Platform to which the network is to be added.
	Type	ASCII string
	Value	No more than 32 characters.
[resourceId]	Description	Resource ID of the network to be added.
	Type	ASCII string
	Value	No more than 31 characters. Specify this if a networkCategory has not been specified.
numOfMaxNic	Description	Maximum number of NICs.
	Type	ASCII string
	Value	Specify the maximum number of NICs that can be added to a network segment. Do not specify a value more than the maximum number of NICs in a segment (the default value is 30), if possible. Refer to "8.5.10 Settings for the Maximum Number of Connections for the L-Platform Template" in the "Operation Guide CE" for information on the maximum number of NICs in a segment.

Parameter name	Item	Item description
[networkCategory]	Description	Network type. A network segment of the specified network type is added.
	Type	ASCII string
	Value	Specify one of the following: - MANAGEMENT: Management segment - BUSINESS: Business segment Specify this if a resourceId has not been specified.
[segmentType]	Description	Segment identifier information. A network segment of the matching network resource is added.
	Type	ASCII string
	Value	No more than 32 characters. If the resourceId parameter is omitted, this parameter can be specified.
[name]	Description	Network name. Specify a name to be set for the network.
	Type	ASCII string
	Value	No more than 20 characters. If this parameter is omitted, the following name will be specified. - If resourceId is specified: A network resource name - If networkCategory is specified: AUTOX (X: A serial number starting from 1)

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
 <CreateNetworkResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <networkId>[Added network ID]</networkId>
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</CreateNetworkResponse>
```

<Elements>

Element name	Item	Item description
CreateNetworkResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
networkId	Description	Added network ID.
	Type	ASCII string
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chaper 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string

Element name	Item	Item description
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<CreateNetworkResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <networkId>ARHLFXHB3-N-1348104767303</networkId>
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</CreateNetworkResponse>
```

2.2.3 DestroyLPlatform (Returns an L-Platform)

This API returns an L-Platform. All the resources within the L-Platform are deleted and disabled.

It cannot be used in the following cases:

- The target L-Platform has Solaris Zones servers not managed by BladeLogic.

- The target L-Platform has OVM for SPARC servers not managed by BladeLogic.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "DestroyLPlatform".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 8 characters.

Parameter name	Item	Item description
lplatformId	Description	The ID of the L-Platform to be returned.
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<DestroyLPlatformResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</DestroyLPlatformResponse>
```

<Elements>

Element name	Item	Item description
DestroyLPlatformResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<DestroyLPlatformResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</DestroyLPlatformResponse>
```

2.2.4 DestroyNetwork (Delete a Specified Network Segment from an L-Platform)

This API deletes a specified network segment from an L-Platform.

It cannot be used in the following cases:

- The target L-Platform has Solaris Zones servers not managed by BladeLogic.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "DestroyNetwork ".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	ID of the L-Platform from which the network is to be deleted.
	Type	ASCII string
	Value	No more than 32 characters.
networkId	Description	Network ID to be deleted.
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="10" encoding="UTF-8"?>
 <DestroyNetworkResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</DestroyNetworkResponse>
```

<Elements>

Element name	Item	Item description
DestroyNetworkResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chaper 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1.

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
 <DestroyNetworkResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</DestroyNetworkResponse>
```

2.2.5 GetLPlatformAttributes (Gets the Attributes of an L-Platform)

This API gets attribute information for an L-Platform.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "GetLPlatformAttributes".

Parameter name	Item	Item description
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<GetLPlatformAttributesResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <lplatform>
    <baseDescriptor>[Template ID from which the L-Platform was created]</baseDescriptor>
    <creator>[tenant name of the person who created the system]</creator>
    <ownerUser>[The user ID of the person who owns the L-Platform]</ownerUser>
    <description>[L-Platform description]</description>
    <lplatformId>[L-Platform ID]</lplatformId>
    <lplatformName>[L-Platform name]</lplatformName>
  </lplatform>
</GetLPlatformAttributesResponse>
```

<Elements>

Element name	Item	Item description
GetLPlatformAttributesResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned.

Element name	Item	Item description
		Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
lplatform	Description	Element holding the response information for the L-Platform information.
	Type	None
	Number of occurrences	0 or 1
baseDescriptor	Description	Template ID from which the L-Platform was created.
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
creator	Description	The tenant name of the person who created the L-Platform.
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
description	Description	L-Platform description
	Type	UTF-8 string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
ownerUser	Description	The user ID of the person who owns the L-Platform.
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
lplatformId	Description	L-Platform ID
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
lplatformName	Description	L-Platform name
	Type	UTF-8 string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GetLPlatformAttributesResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <lplatform>
    <baseDescriptor>template-132149ef229</baseDescriptor>
    <creator>papi</creator>
    <description/>
    <ownerUser>user3</ownerUser>
    <lplatformId>tenantA-M3PGGWCFX</lplatformId>
    <lplatformName>testTemplateA</lplatformName>
```

```
   </lplatform>
</GetLPlatformAttributesResponse>
```

2.2.6 GetLPlatformConfiguration (Gets Configuration Information for an L-Platform)

This API gets configuration information for an L-Platform.

Note

For physical servers, the number of CPUs, operating frequency, and memory size displayed are those specified by the user during the L-Platform subscription or when importing a server as part of an L-Platform reconfiguration.
For physical servers imported to the L-Platform, only the values at the time these servers are imported will be displayed.
For this reason, even if the number of CPUs, operating frequency, and memory size are changed, the displayed values will not change.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "GetLPlatformConfiguration".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GetLPlatformConfigurationResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <lplatform>
    <baseDescriptor>[Template ID from which the L-Platform was created]</baseDescriptor>
    <bladeLogic>[Flag to indicate configuration changes/returns depending on whether BladeLogic
exists]</bladeLogic>
    <connector>[Connection destination]</connector>
    <creator>[The tenant name of the person who created the L-Platform]</creator>
    <description>[L-Platform description]</description>
    <firewalls>
      <firewall>
        <interfaces>
          <interface>
            <name>[Interface name]</name>
            <networkId>[Network ID]</networkId>
          </interface>
        </interfaces>
        <name>[Firewall name]</name>
        <serialNo>[Serial  number]</serialNo>
        <ruleset>
          <description>[Ruleset description]</description>
          <designtype>[UI type]</designtype>
          <deviceModel>[Network device model]</deviceModel>
          <maxAccessRuleSetting>[Maximum number of access rules that can be handled by the ruleset]</
maxAccessRuleSetting>
          <maxProvision>[Maximum number of firewalls that can be deployed to a network device according
to the ruleset]</maxProvision>
          <name>[Ruleset name]</name>
          <parameters>
            <parameter>
              <description>[Parameter information description]</description>
              <name>[Parameter information name]</name>
              <required>[Flag indicating whether value is required]</required>
              <summary>[Parameter summary]</summary>
              <syntax>[Parameter syntax]</syntax>
              <value>[Parameter value]</value>
              <view>[Parameter display flag]</view>
            </parameter>
          </parameters>
          <parametergroups>
            <parametergroup>
              <name>[Parameter group name]</name>
              <id>[Parameter group ID]</id>
              <parameters>
                <parameter>
                  <description>[Parameter description]</description>
                  <name>[Parameter name]</name>
                  <required>[Flag indicating whether value is required]</required>
                  <summary>[Parameter summary]</summary>
                  <syntax>[Parameter syntax]</syntax>
                  <value>[Parameter value]</value>
                  <view>[Parameter display flag]</view>
                </parameter>
              </parameters>
            </parametergroup>
          </parametergroups>
        </ruleset>
      </firewall>
    </firewalls>
```

```
    <ownerUser>[The user ID of the person who owns the L-Platform]</ownerUser>
    <slbs>
      <slb>
        <interfaces>
          <interface>
            <name>[Interface name]</name>
            <networkId>[Network ID]</networkId>
          </interface>
        </interfaces>
        <name>[Server load balancer name]</name>
        <operationLogExist>[This flag indicates whether there are operation logs that have not been
acquired]</operationLogExist>
        <operations>
         <operation>
          <operationId>[Operation ID]</operationId>
          <rulesetName>[Ruleset name]</rulesetName>
          <status>[Operation status]</status>
         </operation>
        </operations>
        <ruleset>
          <description>[Ruleset description]</description>
          <name>[Ruleset name]</name>
          <parameters>
            <parameter>
              <description>[Parameter information description]</description>
              <name>[Parameter information name]</name>
              <required>[Flag indicating whether value is required]</required>
              <summary>[Parameter summary]</summary>
              <syntax>[Parameter syntax]</syntax>
              <value>[Parameter value]</value>
              <view>[Show or hide parameter]</view>
            </parameter>
          </parameters>
        </ruleset>
        <targetservers>
           <targetserver>
            <lserverId>[Distribution target server ID]</lserverId>
            <nicNo>[Distribution target NIC number]</nicNo>
            <nicgroupIndex>[Distribution target NIC group index]</nicgroupIndex>
           <parameterName>[Name of the parameter used to select distribution targets]</parameterName>
            <status>[Distribution target deployment status]</status>
           </targetserver>
        </targetservers>
      </slb>
    </slbs>
    <publicips>
       <publicip>
          <address>[IP address]</address>
       </publicip>
    </publicips>
    <networks>
      <network>
        <name>[Network name]</name>
        <networkCategory>[Network type]</networkCategory>
        <networkId>[Network ID]</networkId>
        <numOfMaxVm>[Maximum number of VMs]</numOfMaxVm>
        <resourceId>[Network resource ID]</resourceId>
        <segmentType>[Segment type information]</segmentType>
      </network>
    </networks>
    <lservers>
      <lserver>
        <cpuPerf>[CPU performance]</cpuPerf>
```

```xml
        <cpuReserve>[CPU reserve performance]</cpuReserve>
        <cpuShare>[CPU allotment ratio]</cpuShare>
        <creator>[The tenant name of the person who created the server]</creator>
        <containerPoolManaged>[Flag to indicate whether it is managed by this product]</
containerPoolManaged>
        <diskimageId>[Disk image ID]</diskimageId>
        <diskimageName>[Disk image name]</diskimageName>
        <hostName>[Host name of the server]</hostName>
        <lserverType>[Server type]</lserverType>
        <maxDefinableMemorySize>[Maximum amount of memory]</maxDefinableMemorySize>
        <memoryHotPlug>[Memory hot plug]</memoryHotPlug>
        <memoryReserve>[Reserved memory capacity]</memoryReserve>
        <memorySize>[Amount of memory]</memorySize>
        <memoryShare>[Memory allotment ratio]</memoryShare>
        <numOfCpu>[Number of CPUs]</numOfCpu>
        <pool>[The resource name of the VM pool]</pool>
        <priority>[Power priority]</priority>
        <requestCpuPerf>[Requested CPU performance]</requestCpuPerf>
        <requestMemorySize>[Requested memory capacity]</requestMemorySize>
        <requestNumOfCpu>[Requested number of CPUs]</requestNumOfCpu>
        <resource>
          <name>[L-Server name]</name>
        </resource>
        <snapshotExist>[Flag to indicate whether a snapshot is on the server]</snapshotExist>
        <sparePool>[The resource name of the spare pool]</sparePool>
        <storagePool>[The resource name of the storage pool]</storagePool>
        <sysvolSize>[The size of the system volume]</sysvolSize>
        <disks>
          <disk>
          <attachedTo>[The ID of the virtual machine to which the additional disk has been attached]</
attachedTo>
            <creator>[The tenant name of the person who created the additional disk]</creator>
            <resourceName>[Name of the Existing disk]</resourceName>
            <size>[The size of the additional disk]</size>
            <storagePool>[The resource name of the storage pool]</storagePool>
            <diskId>[The ID of the additional disk]</diskId>
            <diskName>[The name of the additional disk]</diskName>
          </disk>
        </disks>
        <vmType>[Virtual machine type]</vmType>
        <nics>
          <nic>
            <management>[Control NIC]</management>
            <networkId>[Network ID]</networkId>
            <nicgroupIndex>[The NIC group index to which the server belongs]</nicgroupIndex>
            <nicNo>[NIC serial number]</nicNo>
            <privateIp>[IP address]</privateIp>
          </nic>
        </nics>
        <nicgroups>
          <nicgroup>
            <management>[Control NIC]</management>
            <networkId>[Network ID]</networkId>
            <nicgroupIndex>[NIC group index]</nicgroupIndex>
            <privateIp>[IP address]</privateIp>
          </nicgroup>
        </nicgroups>
        <lserverId>[Server ID]</lserverId>
        <lserverName>[Server name]</lserverName>
        <serverType>[Server type]</serverType>
        <vdi>[Use of VDI coordination]</vdi>
        <vdiConnectInfo>[VDI management server connection information]</vdiConnectInfo>
        <vdiPool>[VDI pool]</vdiPool>
```

```
        <vdiUser>[VDI user name]</vdiUser>
      </lserver>
    </lservers>
    <lplatformId>[L-Platform ID]</lplatformId>
    <lplatformName>[L-Platform name]</lplatformName>
  </lplatform>
</GetLPlatformConfigurationResponse>
```

<Elements>

Element name	Item	Item description
GetLPlatformConfigurationResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
lplatform	Description	Element holding the response information for the L-Platform information.
	Type	None
	Number of occurrences	0 or 1
baseDescriptor	Description	Template ID from which the L-Platform was created.
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
bladeLogic	Description	Either of the following flags can be specified to indicate whether reconfiguration or return can be performed in case there are any Solaris Zone or OVM for SPARC servers: - true: The L-Platform does not have Solaris Zone or OVM for SPARC servers, or reconfiguration or return can be performed even if the L-Platform has Solaris Zone or OVM for SPARC servers. - false: The L-Platform has Solaris Zone or OVM for SPARC servers, and reconfiguration or return cannot be performed.
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
connector	Description	Connection destination. One of the following values: - none: No connection - intranet: Intranet

Element name	Item	Item description
		- internet: Internet - both : Both Internet and intranet This element will be displayed only if a simple configuration firewall has been set.
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
creator	Description	The tenant name of the person who created the L-Platform.
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
description	Description	L-Platform description.
	Type	UTF-8 string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
firewalls	Description	Element holding the response information for the firewall information.
	Type	None
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
firewall	Description	Set of firewall information.
	Type	None
	Number of occurrences	As many as there are firewalls elements (0 or more elements for each firewalls element).
interfaces	Description	Element holding the response information for the interface information
	Type	None
	Number of occurrences	As many as there are firewall elements (0 or 1 element for each firewall element).
interface	Description	Set of interface information
	Type	None
	Number of occurrences	As many as there are interfaces elements (0 or more elements for each interfaces element).
name	Description	Interface name.
	Type	UTF-8 string
	Number of occurrences	As many as there are interface elements (0 or 1 element for each interface element).
networkId	Description	Network ID.
	Type	ASCII string
	Number of occurrences	As many as there are interface elements (0 or 1 element for each interface element).
name	Description	Firewall name.
	Type	UTF-8 string

Element name	Item	Item description
	Number of occurrences	As many as there are firewall elements (0 or 1 element for each firewall element).
serialNo	Description	Serial number. This element will be displayed if a simple configuration has been used.
	Type	int
	Number of occurrences	As many as there are firewall elements (0 or 1 element for each firewall element).
ruleset	Description	Firewall ruleset.
	Type	None
	Number of occurrences	As many as there are firewall elements (0 or 1 element for each firewall element).
description	Description	Ruleset description.
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
designtype	Description	UI type. One of the following: - UserCustomize: User customization - Simple: Simple configuration
	Type	ASCII string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
deviceModel	Description	Network device model.
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
maxAccessRuleSetting	Description	Maximum number of access rules that can be handled by the ruleset.
	Type	int
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
maxProvision	Description	Maximum number of firewalls that can be deployed to a network device according to the ruleset.
	Type	int
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
name	Description	Ruleset name.
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parameters	Description	Element holding the response information for the ruleset parameter information.
	Type	None
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).

Element name	Item	Item description
parameter	Description	Set of ruleset parameter information
	Type	None
	Number of occurrences	As many as there are parameters elements (0 or more elements for each parameters element).
description	Description	Parameter information description.
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
name	Description	Parameter information name.
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
required	Description	Specify whether parameter values must be specified using one of the following: - true: required - false: optional
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
summary	Description	Parameter summary
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
syntax	Description	Parameter syntax.
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
value	Description	Parameter value.
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
view	Description	Parameter display flag.
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
parametergroups	Description	Element holding the response information for the parameter group information of the ruleset.
	Type	None
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parametergroup	Description	Set of parameter group information.
	Type	None

Element name	Item	Item description
	Number of occurrences	As many as there are parametergroups elements (0 or more elements for each parametergroups element).
name	Description	Parameter group name
	Type	UTF-8 string
	Number of occurrences	As many as there are parametergroup elements (0 or 1 element for each parametergroup element).
id	Description	Parameter group ID.
	Type	ASCII string
	Number of occurrences	As many as there are parametergroup elements (0 or 1 element for each parametergroup element).
parameters	Description	Element holding the response information for the parameter information of the ruleset.
	Type	None
	Number of occurrences	As many as there are parametergroup elements (0 or 1 element for each parametergroup element).
parameter	Description	Set of parameter information
	Type	None
	Number of occurrences	As many as there are parameters elements (0 or more elements for each parameters element).
description	Description	Parameter information description
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
name	Description	Parameter information name.
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
required	Description	Specify whether parameter values must be specified, using one of the following: - true : required - false : optional
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
summary	Description	Parameter summary
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
syntax	Description	Parameter syntax
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
value	Description	Parameter value

Element name	Item	Item description
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
view	Description	Parameter display flag.
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
ownerUser	Description	The user ID of the person who owns the L-Platform.
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
slbs	Description	Element holding the response information for the server load balancer.
	Type	None
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
slb	Description	Set of server load balancer information.
	Type	None
	Number of occurrences	As many as there are slbs elements (0 or more elements for each slbs element).
interfaces	Description	Element holding the response information for the interface information.
	Type	None
	Number of occurrences	As many as there are slb elements (0 or 1 element for each slb element).
interface	Description	Set of interface information.
	Type	None
	Number of occurrences	As many as there are interfaces elements (0 or more elements for each interfaces element).
name	Description	Interface name
	Type	UTF-8 string
	Number of occurrences	As many as there are interface elements (0 or 1 element for each interface element).
networkId	Description	Network ID
	Type	ASCII string
	Number of occurrences	As many as there are interface elements (0 or 1 element for each interface element).
name	Description	Server load balancer name
	Type	UTF-8 string
	Number of occurrences	As many as there are slb elements (0 or 1 element for each slb element).
operationLogExist	Description	This flag indicates whether there are operation logs that have not been acquired. It will be one of the following:

Element name	Item	Item description
		- true: There are operation logs that have not been acquired. - false: There are no operation logs that have not been acquired. Operation is not possible if this is "true".
	Type	ASCII string
	Number of occurrences	As many as there are slb elements (0 or 1 element for each slb element).
operations	Description	Element holding the response information for the operation information.
	Type	None
	Number of occurrences	As many as there are slb elements (0 or 1 element for each slb element).
operation	Description	Set of operation information.
	Type	None
	Number of occurrences	As many as there are operations elements (0 or more elements for each operations element).
operationId	Description	Operation ID. Specify when executing GetOperationResult.
	Type	ASCII string
	Number of occurrences	As many as there are operation elements (0 or 1 element for each operation element).
rulesetName	Description	Ruleset name
	Type	UTF-8 string
	Number of occurrences	As many as there are operation elements (0 or 1 element for each operation element).
status	Description	Operation status
	Type	ASCII string
	Number of occurrences	As many as there are operation elements (0 or 1 element for each operation element).
ruleset	Description	Server load balancer ruleset
	Type	None
	Number of occurrences	As many as there are slb elements (0 or 1 element for each slb element).
description	Description	Ruleset description
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
name	Description	Ruleset name
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parameters	Description	Element holding the response information for the parameter information of the ruleset.
	Type	None

Element name	Item	Item description
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parameter	Description	Set of parameter information of the ruleset.
	Type	None
	Number of occurrences	As many as there are parameters elements (0 or more elements for each parameters element).
description	Description	Parameter information description
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
name	Description	Parameter information name
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
required	Description	Specify whether parameter values must be specified using one of the following: - true: required - false: optional
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
summary	Description	Parameter summary
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
syntax	Description	Parameter syntax
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
value	Description	Parameter value
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
view	Description	Show or hide parameter
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
targetservers	Description	Distribution target list.
	Type	None
	Number of occurrences	As many as there are slb elements (0 or 1 element for each slb element).
targetserver	Description	Distribution target server information.
	Type	None

Element name	Item	Item description
	Number of occurrences	As many as there are targetservers elements (0 or more elements for each targetservers element).
lserverId	Description	Distribution target server ID.
	Type	ASCII string
	Number of occurrences	As many as there are targetserver elements (0 or 1 element for each targetserver element).
nicNo	Description	Distribution target NIC number. The NIC group index will not be displayed if the NIC number is.
	Type	int
	Number of occurrences	As many as there are targetserver elements (0 or 1 element for each targetserver element).
nicgroupIndex	Description	Distribution target NIC group index. The NIC number will not be displayed if the NIC group index is.
	Type	int
	Number of occurrences	As many as there are targetserver elements (0 or 1 element for each targetserver element).
parameterName	Description	Name of the parameter used to select distribution targets.
	Type	UTF-8 string
	Number of occurrences	As many as there are targetserver elements (0 or 1 element for each targetserver element).
status	Description	Deployment status of the distribution target: - DEPLOYING: Deploying - NORMAL: Deployment completed - UNDEPLOYING: Undeploying
	Type	ASCII string
	Number of occurrences	As many as there are targetserver elements (0 or 1 element for each targetserver element).
publicips	Description	Element holding the response information for the global IP address.
	Type	None
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
publicip	Description	Set of global IP address information.
	Type	None
	Number of occurrences	As many as there are publicips elements (0 or more elements for each publicips element).
address	Description	IP address
	Type	UTF-8 string
	Number of occurrences	As many as there are publicip elements (0 or 1 element for each publicip element).
networks	Description	Element holding the response information for the network information.
	Type	None

Element name	Item	Item description
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
network	Description	Set of network information
	Type	None
	Number of occurrences	As many as there are networks elements (0 or more elements for each networks element).
name	Description	Network name.
	Type	UTF-8 string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
networkCategory	Description	Network type. For manager LAN, the value is "MANAGEMENT". For business LAN, the value is "BUSINESS". If the network has not been registered, the value is an empty string.
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
networkId	Description	Network ID.
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
numOfMaxVm	Description	Maximum number of VMs
	Type	int
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
resourceId	Description	Network resource ID.
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
segmentType	Description	Segment type information
	Type	UTF-8 string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
lservers	Description	Element holding the response information for the server information.
	Type	None
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
lserver	Description	Set of server information.
	Type	None
	Number of occurrences	As many as there are lservers elements (0 or more elements for each lservers element).
cpuPerf	Description	CPU performance

Element name	Item	Item description
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
cpuReserve	Description	CPU reserve performance
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
cpuShare	Description	CPU allotment ratio
	Type	int
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
creator	Description	The tenant name of the person who created the server
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
containerPoolManaged	Description	Flag indicating whether the container resource pool where the server operates is managed by this product. This is one of the following: - true: Managed - false: Not managed
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
diskimageId	Description	Disk image ID.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
diskimageName	Description	Disk image name.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
hostName	Description	Host name of the server.
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
lseverType	Description	Server type. One of the following: - "Physical": Physical server. - "Virtual": Virtual server.
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
maxDefinableMemorySize	Description	Maximum amount of memory. It indicates the maximum amount of memory that can be allocated for memory hot plug-enabled KVM servers.

Element name	Item	Item description
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
memoryHotPlug	Description	Memory hot plug. If it is enabled on a KVM server, the memory size can be changed without powering off. - true: enabled - false: disabled When memory hot plug is enabled, the maximum amount of memory that can be changed is limited to the least of the following: MAXDefinableMemorySize "Maximum memory" of the image information Physical memory size of the VM host
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
memoryReserve	Description	Reserved memory capacity.
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
memorySize	Description	Amount of memory.
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
memoryShare	Description	Memory allotment ratio.
	Type	int
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
numOfCpu	Description	Number of CPUs.
	Type	int.
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
pool	Description	The resource name of the VM pool. This will only be output if the server type is a virtual server.
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
priority	Description	Priority startup levels are set to between 1 and 256 when performing batch power supply controls. These values will be started up from small servers. However, servers with a startup priority level of '0' are not eligible for batch power supply operations.
	Type	int
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).

Element name	Item	Item description
requestCpuPerf	Description	Requested CPU performance.
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
requestMemorySize	Description	Requested memory capacity
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
requestNumOfCpu	Description	Requested number of CPUs.
	Type	int
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
resource	Description	Set of information displayed in the [Resources] tab.
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
name	Description	L-Server name
	Type	ASCII string
	Number of occurrences	As many as there are resource elements (0 or 1 element for each resource element).
snapshotExist	Description	Flag indicating whether a snapshot exists on the server. This is one of the following: - true: Snapshot exists - false: Snapshot does not exist
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
sparePool	Description	The resource name of the spare pool.
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
storagePool	Description	The resource name of the storage pool.
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
sysvolSize	Description	The size of the system volume.
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
disks	Description	Element holding the response information for the additional disk information.
	Type	None

Element name	Item	Item description
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
disk	Description	Set of additional disk information.
	Type	None
	Number of occurrences	As many as there are disks elements (0 or more elements for each disks element).
attachedTo	Description	The ID of the virtual machine to which the additional disk has been attached.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
creator	Description	The tenant name of the person who created the additional disk.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
resourceName	Description	The name of the existing disk. This element will be displayed for existing disks only.
	Type	UTF-8 string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
size	Description	The size of the additional disk. Specify this value in GB.
	Type	decimal
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
storagePool	Description	The resource name of the storage pool.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
diskId	Description	The ID of the additional disk.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
diskName	Description	The name of the additional disk.
	Type	UTF-8 string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
vmType	Description	Virtual machine type. Refer to "15.2.2 Virtual L-Server Templates" in the "Reference Guide (Command/XML) CE" for details.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
nics	Description	Element holding the response information for the NIC information.

Element name	Item	Item description
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
nic	Description	Set of NIC information.
	Type	None
	Number of occurrences	As many as there are nics elements (0 or more elements for each nics element).
management	Description	Control NIC. The value is "1" if the NIC is a control NIC. Otherwise, the value is "0".
	Type	int
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
networkId	Description	Network ID
	Type	ASCII string
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
nicgroupIndex	Description	The NIC group index to which the server belongs. This will not be displayed if the server is not included in the NIC group.
	Type	int
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
nicNo	Description	NIC serial number
	Type	int
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
privateIp	Description	IP address
	Type	ASCII string
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
nicgroups	Description	Element holding the response information for the NIC information.
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
nicgroup	Description	Set of NIC information.
	Type	None
	Number of occurrences	As many as there are nicgroups elements (0 or more elements for each nicgroups element).
management	Description	Control NIC. The value is "1" if the NIC is a control NIC. Otherwise, the value is "0".
	Type	int
	Number of occurrences	As many as there are nicgroup elements (0 or 1 element for each nicgroup element).

Element name	Item	Item description
networkId	Description	Network ID
	Type	ASCII string
	Number of occurrences	As many as there are nicgroup elements (0 or 1 element for each nicgroup element).
nicgroupIndex	Description	NIC group index.
	Type	int
	Number of occurrences	As many as there are nicgroup elements (0 or 1 element for each nicgroup element).
privateIp	Description	IP address
	Type	ASCII string
	Number of occurrences	As many as there are nicgroup elements (0 or 1 element for each nicgroup element).
lserverId	Description	Server ID.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
lserverName	Description	Server name.
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
serverType	Description	Server type.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
vdi	Description	Specifies whether to use VDI coordination. - true: Use VDI coordination When the VDI coordination is not used, this tag is not displayed.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or more elements for each image element).
vdiConnectInfo	Description	VDI management server connection information
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
vdiPool	Description	VDI pool
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
vdiUser	Description	VDI user name
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
lplatformId	Description	L-Platform ID.

Element name	Item	Item description
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
lplatformName	Description	L-Platform name.
	Type	UTF-8 string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GetLPlatformConfigurationResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <lplatform>
    <baseDescriptor>template-1325738ea5b</baseDescriptor>
    <bladeLogic>true</bladeLogic>
    <connector>none</connector>
    <creator>tenantA</creator>
    <description>firewall</description>
    <firewalls>
      <firewall>
        <interfaces>
          <interface>
            <name>network-param-0001</name>
            <networkId>M3PGGWCFX-N-1ot2#FWS#</networkId>
          </interface>
          <interface>
            <name>network-param-0002</name>
            <networkId>M3PGGWCFX-N-1ot4#FWS#</networkId>
          </interface>
        </interfaces>
        <name>Firewall</name>
        <ruleset>
          <description>rule1</description>
          <designtype>UserCustomize</designtype>
          <name>rule1</name>
          <parameters>
            <parameter>
              <description>param1</description>
              <name>param_var_001</name>
              <required>true</required>
              <summary>Parameter 1 summary</summary>
              <syntax>INTEGER(0..256)</syntax>
              <value>200</value>
              <view>false</view>
            </parameter>
            <parameter>
              <description>param2</description>
              <name>param_var_002</name>
              <required>true</required>
              <summary>Parameter 2 summary</summary>
              <syntax>DisplayString(SIZE(0..256))</syntax>
              <value/>
              <view>true</view>
            </parameter>
            <parameter>
```

```
              <description>param3</description>
              <name>param_var_003</name>
              <required>true</required>
              <summary>Parameter 3 summary</summary>
              <syntax>INTEGER(0..65535)</syntax>
              <value>400</value>
              <view>true</view>
            </parameter>
          </parameters>
        </ruleset>
      </firewall>
  </firewalls>
<ownerUser>user3</ownerUser>
<slbs>
    <slb>
      <interfaces>
        <interface>
          <name>network-param-0001</name>
          <networkId>M3PGGWCFX-N-1ot2#FWS#</networkId>
        </interface>
        <interface>
          <name>network-param-0002</name>
          <networkId>M3PGGWCFX-N-1ot4#FWS#</networkId>
        </interface>
      </interfaces>
      <name>SLB</name>
      <operationLogExist>false</operationLogExist>
      <operations>
       <operation>
        <operationId>ROR_001</operationId>
        <rulesetName>rule1</rulesetName>
        <status>completed</status>
       </operation>
      </operations>
      <ruleset>
        <description>rule1</description>
        <name>rule1</name>
        <parameters>
          <parameter>
            <description>param1</description>
            <name>param_var_001</name>
            <required>true</required>
            <summary>Parameter 1 summary</summary>
            <syntax>INTEGER(0..256)</syntax>
            <value>200</value>
            <view>false</view>
          </parameter>
          <parameter>
            <description>param2</description>
            <name>param_var_002</name>
            <required>true</required>
            <summary>Parameter 2 summary</summary>
            <syntax>DisplayString(SIZE(0..256))</syntax>
            <value/>
            <view>true</view>
          </parameter>
          <parameter>
            <description>param3</description>
            <name>param_var_003</name>
            <required>true</required>
            <summary>Parameter 3 summary</summary>
            <syntax>INTEGER(0..65535)</syntax>
            <value>400</value>
```

```xml
            <view>true</view>
          </parameter>
        </parameters>
      </ruleset>
    </slb>
  </slbs>
  <networks>
    <network>
      <name>network-param-0001</name>
      <networkCategory>BUSINESS</networkCategory>
      <networkId>M3PGGWCFX-N-1ot2#FWS#</networkId>
      <numOfMaxVm>10</numOfMaxVm>
      <resourceId>mngsrv_1234</resourceId>
      <segmentType>DMZ</segmentType>
    </network>
    <network>
      <name>network-param-0002</name>
      <networkCategory>BUSINESS</networkCategory>
      <networkId>M3PGGWCFX-N-1ot4#FWS#</networkId>
      <numOfMaxVm>10</numOfMaxVm>
      <resourceId>mngsrv_1235</resourceId>
      <segmentType>Intranet</segmentType>
    </network>
  </networks>
  <lservers>
    <lserver>
      <cpuPerf>1.0</cpuPerf>
      <creator>tenantA</creator>
      <diskimageId>image-1324e093f4e</diskimageId>
      <diskimageName>g-physical-0001</diskimageName>
      <hostName>V8O0NW7TZV0001</hostName>
      <lserverType>Physical</lserverType>
      <memorySize>2.0</memorySize>
      <numOfCpu>2</numOfCpu>
      <pool>/ServerPool</pool>
      <priority>128</priority>
      <requestCpuPerf>1.4</requestCpuPerf>
      <requestMemorySize>2.0</requestMemorySize>
      <requestNumOfCpu>1</requestNumOfCpu>
      <resource>
        <name>tenantA-M3PGGWCFX-S-0001</name>
      </resource>
      <snapshotExist>false</snapshotExist>
      <sparePool>/SparePool</sparePool>
      <storagePool>/StoragePool</storagePool>
      <sysvolSize>100</sysvolSize>
      <disks/>
      <nics>
        <nic>
          <management>0</management>
          <networkId>M3PGGWCFX-N-1ot2#FWS#</networkId>
          <nicNo>2</nicNo>
          <privateIp>192.xxx.xxx.xxx</privateIp>
        </nic>
        <nic>
          <management>1</management>
          <networkId>M3PGGWCFX-N-1ot2#FWS#</networkId>
          <nicNo>1</nicNo>
          <privateIp>192.xxx.xxx.xxx</privateIp>
        </nic>
      </nics>
      <lserverId>tenantA-M3PGGWCFX-S-0001</lserverId>
      <lserverName>physical1</lserverName>
```

```
            <serverType>Economy</serverType>
        </lserver>
        <lserver>
          <cpuPerf>1.2</cpuPerf>
          <creator>tenantA</creator>
          <diskimageId>image-1324e09f82f</diskimageId>
          <diskimageName>g-vm-0002</diskimageName>
          <hostName>V8O0NW7TZV0002</hostName>
          <lserverType>Virtual</lserverType>
          <memorySize>1.6</memorySize>
          <numOfCpu>1</numOfCpu>
          <pool>/VMHostPool</pool>
          <priority>128</priority>
          <resource>
            <name>tenantA-M3PGGWCFX-S-0002</name>
          </resource>
          <snapshotExist>true</snapshotExist>
          <storagePool>/StoragePool</storagePool>
          <sysvolSize>100</sysvolSize>
          <disks/>
          <vmType>VMware</vmType>
          <nics>
            <nic>
              <management>0</management>
              <networkId>M3PGGWCFX-N-1ot4#FWS#</networkId>
              <nicNo>3</nicNo>
              <privateIp>192.xxx.xxx.xxx</privateIp>
            </nic>
            <nic>
              <management>0</management>
              <networkId>M3PGGWCFX-N-1ot4#FWS#</networkId>
              <nicNo>2</nicNo>
              <privateIp>192.xxx.xxx.xxx</privateIp>
            </nic>
            <nic>
              <management>1</management>
              <networkId>M3PGGWCFX-N-1ot4#FWS#</networkId>
              <nicNo>1</nicNo>
              <privateIp>192.xxx.xxx.xxx</privateIp>
            </nic>
          </nics>
          <lserverId>tenantA-M3PGGWCFX-S-0002</lserverId>
          <lserverName>virtual1</lserverName>
          <serverType>over_commit</serverType>
        </lserver>
      </lservers>
      <lplatformId>tenantA-M3PGGWCFX</lplatformId>
      <lplatformName>firewall-test</lplatformName>
    </lplatform>
</GetLPlatformConfigurationResponse>
```

2.2.7 GetLPlatformStatus (Gets the Status of an L-Platform)

This API gets status information for an L-Platform.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.

Parameter name	Item	Item description
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "GetLPlatformStatus".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<GetLPlatformStatusResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <lplatformStatus>[L-Platform status]</lplatformStatus>
</GetLPlatformStatusResponse>
```

<Elements>

Element name	Item	Item description
GetLPlatformStatusResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string.

Element name	Item	Item description
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
lplatformStatus	Description	One of the following values: - "NORMAL": The system is operating normally. - "RECONFIG_ING": The system is being reconfigured. - "DEPLOYING": The system is being deployed. - "SETUP": Software is being configured. - "ERROR": A system error has occurred.
	Type	ASCII string
	Number of occurrences	0 or 1

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GetLPlatformStatusResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <lplatformStatus>NORMAL</lplatformStatus>
</GetLPlatformStatusResponse>
```

2.2.8 GetOperationResult (Obtain Operation Log)

This API obtains the operation logs for the network device.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "GetOperationResult".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string

Parameter name	Item	Item description
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform API ID
	Type	ASCII string
	Value	No more than 32 characters.
rulesetName	Description	Ruleset name.
	Type	ASCII string
	Value	No more than 32 characters.
operationId	Description	Operation ID. Specify an ID of an operation in a server load balancer that was obtained by GetLPlatformConfiguration or an ID of an operation obtained by OperateSLB.
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<GetOperationResultResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <result>[Operation execution results]</result>
</GetOperationResultResponse>
```

<Elements>

Element name	Item	Item description
OperateSLBResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chaper 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned.

Element name	Item	Item description
		Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
result	Description	Operation execution results.
	Type	UTF-8 string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<GetOperationResultResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <result>
--------- --------------- ----------------------- ---------- -------
dist-rule class-map
          dist-mode
          real/type backup-priority
                state of real    state of real port    connection timeout
--------- --------------- ----------------------- ---------- -------
                  up/active              --                    0      --
--------- --------------- ----------------------- ---------- -------
  </result>
</GetOperationResultResponse>
```

2.2.9 ListLPlatform (Gets a List of L-Platform)

This API gets a list of the L-Platform in the virtual data center.

🔔 Note

For physical servers, the number of CPUs, operating frequency, and memory size displayed are those specified by the user during the L-Platform subscription or when importing a server as part of an L-Platform reconfiguration.

For physical servers imported to the L-Platform, only the values at the time these servers are imported will be displayed.

For this reason, even if the number of CPUs, operating frequency, and memory size are changed, the displayed values will not change.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.

Parameter name	Item	Item description
	Type	ASCII string
	Value	Fixed. Specify "ListLPlatform".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
[verbose]	Description	The detailed information display flag.
	Type	ASCII string
	Value	Specify one of the following values: - "true": Display of detailed information. - "false": No display of detailed information. If the value is omitted, operation is as if "false" were specified.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<ListLPlatformResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <lplatforms>
    <lplatform>
      <baseDescriptor>[Template ID from which the L-Platform was created]</baseDescriptor>
      <bladeLogic>[Flag to indicate configuration changes/returns depending on whether BladeLogic
exists]</bladeLogic>
      <connector>[Connection destination]</connector>
      <creator>[The tenant name of the person who created the L-Platform]</creator>
      <description>[L-Platform description]</description>
      <firewalls>
        <firewall>
          <interfaces>
            <interface>
              <name>[Interface name]</name>
              <networkId>[Network ID]</networkId>
            </interface>
          </interfaces>
          <name>[Firewall name]</name>
          <serialNo>[Serial number]</serialNo>
          <ruleset>
            <description>[Ruleset description]</description>
            <designtype>[UI type]</designtype>
            <deviceModel>[Network device model]</deviceModel>
            <name>[Ruleset name]</name>
           <maxAccessRuleSetting>[Maximum number of access rules that can be handled by the ruleset]</
maxAccessRuleSetting>
             <maxProvision>[Maximum number that can be deployed to a network device according to the
```

```
ruleset]</maxProvision>
            <parameters>
              <parameter>
                <description>[Parameter information description]</description>
                <name>[Parameter information name]</name>
                <required>[Flag indicating whether value is required]</required>
                <summary>[Parameter summary]</summary>
                <syntax>[Parameter syntax]</syntax>
                <value>[Parameter value]</value>
                <view>[Parameter display flag]</view>
              </parameter>
            </parameters>
            <parametergroups>
              <parametergroup>
                <name>[Parameter group name]</name>
                <id>[Parameter group ID]</id>
                <parameters>
                  <parameter>
                    <description>[Parameter description]</description>
                    <name>[Parameter name]</name>
                    <required>[Flag indicating whether value is required]</required>
                    <summary>[Parameter summary]</summary>
                    <syntax>[Parameter syntax]</syntax>
                    <value>[Parameter value]</value>
                    <view>[Parameter display flag]</view>
                  </parameter>
                </parameters>
              </parametergroup>
            </parametergroups>
          </ruleset>
        </firewall>
      </firewalls>
      <ownerUser>[The user ID of the person who owns the L-Platform]</ownerUser>
      <slbs>
        <slb>
          <interfaces>
            <interface>
              <name>[Interface name]</name>
              <networkId>[Network ID]</networkId>
            </interface>
          </interfaces>
          <name>[Server load balancer name]</name>
          <operationLogExist>[This flag indicates whether there are operation logs that have not been
acquired]</operationLogExist>
          <ruleset>
            <description>[Ruleset description]</description>
            <name>[Ruleset name]</name>
            <parameters>
              <parameter>
                <description>[Parameter information description]</description>
                <name>[Parameter information name]</name>
                <required>[Flag indicating whether value is required]</required>
                <summary>[Parameter summary]</summary>
                <syntax>[Parameter syntax]</syntax>
                <value>[Parameter value]</value>
                <view>[Show or hide parameter]</view>
              </parameter>
            </parameters>
          </ruleset>
          <targetservers>
            <targetserver>
              <lserverId>[Distribution target server ID]</lserverId>
              <nicNo>[Distribution target NIC number]</nicNo>
```

```
            <nicgroupIndex>[Distribution target NIC group index]</nicgroupIndex>
          <parameterName>[Name of the parameter used to select distribution targets]</parameterName>
            <status>[Distribution target deployment status]</status>
          </targetserver>
        </targetservers>
      </slb>
    </slbs>
    <networks>
      <network>
        <name>[Network name]</name>
        <networkCategory>[Network type]</networkCategory>
        <networkId>[Network ID]</networkId>
        <numOfMaxVm>[Maximum number of VMs]</numOfMaxVm>
        <resourceId>[Network resource ID]</resourceId>
        <segmentType>[Segment type information]</segmentType>
      </network>
    </networks>
    <lservers>
      <lserver>
        <containerPoolManaged>[Flag to indicate whether it is managed by this product]</
containerPoolManaged>
        <cpuPerf>[CPU performance]</cpuPerf>
        <cpuReserve>[CPU reserve performance]</cpuReserve>
        <cpuShare>[CPU allotment ratio]</cpuShare>
        <creator>[The tenant name of the person who created the server]</creator>
        <diskimageId>[Disk image ID]</diskimageId>
        <diskimageName>[Disk image name]</diskimageName>
        <hostName>[Host name of the server]</hostName>
        <image>
          <cpuBit>[Number of bits for the CPU]</cpuBit>
          <id>[Image ID]</id>
          <maxCpuPerf>[Maximum CPU performance]</maxCpuPerf>
          <maxDiskSize>[Maximum amount of disk space]</maxDiskSize>
          <maxMemorySize>[Maximum amount of memory]</maxMemorySize>
          <maxSysvolSize>[Maximum capacity of system disk]</maxSysvolSize>
          <numOfMaxCpu>[Maximum number of CPUs]</numOfMaxCpu>
          <numOfMaxDisk>[Maximum number of disks]</numOfMaxDisk>
          <numOfMaxNic>[Maximum number of NICs]</numOfMaxNic>
          <serverApplication>[Server usage]</serverApplication>
          <serverCategory>[Server type]</serverCategory>
          <softwares>
            <software>
              <category>[Software category]</category>
              <license>[License information]</license>
              <name>[Software name]</name>
              <officialVersion>[Official version]</officialVersion>
              <patch>[Patch version number]</patch>
              <softwareId>[Software ID]</softwareId>
              <support>[Support]</support>
              <version>[Version]</version>
            </software>
          </softwares>
          <patches>
            <patch>
              <componentName>[Component name]</componentName>
              <description>[Patch description]</description>
              <patchId>[Patch ID]</patchId>
              <softwareId>[Software ID]</softwareId>
            </patch>
          </patches>
          <storeType>[Storage location type]</storeType>
          <sysvolSize>[Size of the system volume]</sysvolSize>
          <vdi>[Use of VDI coordination]</vdi>
```

```
      <vmType>[Virtual machine type]</vmType>
    </image>
    <lserverType>[Server type]</lserverType>
    <maxDefinableMemorySize>[Maximum amount of memory]</maxDefinableMemorySize>
    <memoryHotPlug>[Memory hot plug]</memoryHotPlug>
    <memorySize>[Amount of memory]</memorySize>
    <memoryReserve>[Reserved memory capacity]</memoryReserve>
    <memoryShare>[Memory allotment ratio]</memoryShare>
    <numOfCpu>[Number of CPUs]</numOfCpu>
    <pool>[The resource name of the VM pool]</pool>
    <priority>[Power priority]</priority>
    <requestCpuPerf>[Requested CPU performance]</requestCpuPerf>
    <requestMemorySize>[Requested memory capacity]</requestMemorySize>
    <requestNumOfCpu>[Requested number of CPUs]</requestNumOfCpu>
    <resource>
      <name>[L-Server name]</name>
    </resource>
    <snapshotExist>[Flag to indicate whether a snapshot is on the server]</snapshotExist>
    <sparePool>[The resource name of the spare pool]</sparePool>
    <storagePool>[The resource name of the storage pool]</storagePool>
    <sysvolSize>[The size of the system volume]</sysvolSize>
    <disks>
      <disk>
        <attachedTo>[ID of server to which additional disk has been attached]</attachedTo>
        <creator>[The tenant name of the person who created the additional disk]</creator>
        <resourceName>[Name of the Existing disk]</resourceName>
        <size>[The size of the additional disk]</size>
        <storagePool>[The resource name of the storage pool]</storagePool>
        <diskId>[The ID of the additional disk]</diskId>
        <diskName>[The name of the additional disk]</diskName>
      </disk>
    </disks>
    <vmType>[Virtual machine type]</vmType>
    <nics>
      <nic>
        <management>[Control NIC]</management>
        <networkId>[Network ID]</networkId>
        <nicgroupIndex>[The NIC group index to which the server belongs]</nicgroupIndex>
        <nicNo>[NIC serial number]</nicNo>
        <privateIp>[IP address]</privateIp>
      </nic>
    </nics>
    <nicgroups>
      <nicgroup>
        <management>[Control NIC]</management>
        <networkId>[Network ID]</networkId>
        <nicgroupIndex>[The NIC group index to which the server belongs]</nicgroupIndex>
        <privateIp>[IP address]</privateIp>
      </nicgroup>
    </nicgroups>
    <lserverId>[Server ID]</lserverId>
    <lserverName>[Server name]</lserverName>
    <lserverStatus>[Lserver Status]</lserverStatus>
    <serverType>[Server type]</serverType>
    <vdi>[Use of VDI coordination]</vdi>
    <vdiConnectInfo>[VDI management server connection information]</vdiConnectInfo>
    <vdiPool>[VDI pool]</vdiPool>
    <vdiUser>[VDI user name]</vdiUser>
  </lserver>
</lservers>
<lplatformId>[L-Platform ID]</lplatformId>
<lplatformName>[L-Platform name]</lplatformName>
<lplatformStatus>[L-Platform status]</lplatformStatus>
```

```
        </lplatform>
    </lplatforms>
</ListLPlatformResponse>
```

<Elements>

Element name	Item	Item description
ListLPlatformResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
lplatforms	Description	Element holding the response information for the L-Platform information.
	Type	None
	Number of occurrences	0 or 1
lplatform	Description	Set of L-Platform information.
	Type	None
	Number of occurrences	As many as there are lplatforms elements (0 or more elements for each lplatforms element).
baseDescriptor	Description	Template ID from which the L-Platform was created.
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
bladeLogic	Description	Either of the following flags can be specified to indicate whether reconfiguration or return can be performed in case there are any Solaris Zones or OVM for SPARC servers: - true: The L-Platform does not have Solaris Zones or OVM for SPARC servers, or reconfiguration or return can be performed even if the L-Platform has Solaris Zones or OVM for SPARC servers. - false: The L-Platform has Solaris Zones or OVM for SPARC servers, and reconfiguration or return cannot be performed. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).

Element name	Item	Item description
connector	Description	Connection destination. One of the following values: - none : No connection - intranet : intranet - internet : internet - both : Both Internet and intranet This element will only be displayed if a simple configuration firewall has been set. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
creator	Description	The tenant name of the person who created the L-Platform.
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
description	Description	L-Platform description.
	Type	UTF-8 string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
firewalls	Description	Element holding the response information for the firewall information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
firewall	Description	Set of L-Platform information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are firewalls elements (0 or more elements for each firewalls element).
interfaces	Description	Element holding the response information for the interface information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are firewall elements (0 or 1 element for each firewall element).
interface	Description	Set of interface information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are interface elements (0 or more elements for each interface element).
name	Description	Interface name. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are interface elements (0 or 1 element for each interface element).

Element name	Item	Item description
networkId	Description	Network ID. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are interface elements (0 or 1 element for each interface element).
name	Description	Firewall name. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are firewall elements (0 or 1 element for each firewall element).
serialNo	Description	Serial number. This element will only be displayed if simple configuration has been set. This element will only be displayed if "true" has been set in "verbose".
	Type	int
	Number of occurrences	As many as there are firewall elements (0 or 1 element for each firewall element).
ruleset	Description	Set of firewall ruleset information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are firewall elements (0 or 1 element for each firewall element).
description	Description	Ruleset description. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
designtype	Description	UI type. Specify one of the following: - UserCustomize: User customization - Simple: Simple configuration This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
deviceModel	Description	Network device model. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
name	Description	Ruleset name. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
maxAccessRuleSetting	Description	Maximum number of access rules that can be handled by the ruleset. This element will only be displayed if "true" has been set in "verbose".

Element name	Item	Item description
	Type	int
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
maxProvision	Description	Maximum number of firewall that can be deployed to a network device according to the ruleset. This element will only be displayed if "true" has been set in "verbose".
	Type	int
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parameters	Description	Element holding the response information for the ruleset parameter information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parameter	Description	Set of parameter information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are parameters elements (0 or more elements for each parameters element).
description	Description	Parameter information description. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
name	Description	Parameter information name. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
required	Description	Specify whether parameter values must be specified using one of the following: - true: required - false: optional
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
summary	Description	Parameter summary. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
syntax	Description	Parameter syntax.
	Type	ASCII string

Element name	Item	Item description
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
value	Description	Parameter value. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
view	Description	Parameter display flag. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
parametergroups	Description	Element holding the response information for the parameter group information of the ruleset. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parametergroup	Description	Set of parameter group information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are parametergroups elements (0 or more elements for each parametergroups element).
name	Description	Parameter group name. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are parametergroup elements (0 or 1 element for each parametergroup element).
id	Description	Parameter group ID. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are parametergroup elements (0 or 1 element for each parametergroup element).
parameters	Description	Element holding the response information for the parameter information of the ruleset. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are parametergroup elements (0 or 1 element for each parametergroup element).
parameter	Description	Set of parameter information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are parameters elements (0 or more elements for each parameters element).

Element name	Item	Item description
description	Description	Parameter information description. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
name	Description	Parameter information name. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
required	Description	Specify whether parameter values must be specified, using one of the following: - true : required - false : optional This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
summary	Description	Parameter summary. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
syntax	Description	Parameter syntax. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
value	Description	Parameter value. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
view	Description	Parameter display flag. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
ownerUser	Description	The user ID of the person who owns the L-Platform.
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
slbs	Description	Element holding the response information for the server load balancer information. This element will only be displayed if "true" has been set in "verbose".

Element name	Item	Item description
	Type	None
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
slb	Description	Set of server load balancer information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are slbs elements (0 or more elements for each slbs element).
interfaces	Description	Element holding the response information for the interface information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are slb elements (0 or 1 element for each slb element).
interface	Description	Set of interface information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are interfaces elements (0 or more elements for each interfaces element).
name	Description	Interface name. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are interface elements (0 or 1 element for each interface element).
networkId	Description	Network ID. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are interface elements (0 or 1 element for each interface element).
name	Description	Server load balancer name. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are slb elements (0 or 1 element for each slb element).
operationLogExist	Description	This flag indicates whether there are operation logs that have not been acquired. It will be one of the following: - true: There are operation logs that have not been acquired. - false: There are no operation logs that have not been acquired. Operation is not possible if this is "true". This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are slb elements (0 or 1 element for each slb element).
ruleset	Description	Set of server load balancer ruleset information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are slb elements (0 or 1 element for each slb element).
description	Description	Ruleset description

Element name	Item	Item description
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
name	Description	Ruleset name. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parameters	Description	Element holding the response information for the parameter information of the ruleset. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are ruleset elements (0 or 1 element for each ruleset element).
parameter	Description	Set of parameter information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are parameters elements (0 or more elements for each parameters element).
description	Description	Parameter information description. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
name	Description	Parameter information name. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
required	Description	Specify whether parameter values must be specified using one of the following: - true: required - false: optional
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
summary	Description	Parameter summary. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
syntax	Description	Parameter syntax.
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).

Element name	Item	Item description
value	Description	Parameter value. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
view	Description	Show or hide parameter. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are parameter elements (0 or 1 element for each parameter element).
targetservers	Description	Distribution target list.
	Type	None
	Number of occurrences	As many as there are slb elements (0 or 1 element for each slb element).
targetserver	Description	Distribution target server information.
	Type	None
	Number of occurrences	As many as there are targetservers elements (0 or more elements for each targetservers element).
lserverId	Description	Distribution target server ID.
	Type	ASCII string
	Number of occurrences	As many as there are targetserver elements (0 or 1 element for each targetserver element).
nicNo	Description	Distribution target NIC number. The NIC group index will not be displayed if the NIC number is.
	Type	int
	Number of occurrences	As many as there are targetserver elements (0 or 1 element for each targetserver element).
nicgroupIndex	Description	Distribution target NIC group index. The NIC number will not be displayed if the NIC group index is.
	Type	int
	Number of occurrences	As many as there are targetserver elements (0 or 1 element for each targetserver element).
parameterName	Description	Name of the parameter used to select distribution targets.
	Type	UTF-8 string
	Number of occurrences	As many as there are targetserver elements (0 or 1 element for each parameter element).
status	Description	Deployment status of the distribution target: - DEPLOYING: Deploying - NORMAL: Deployment completed - UNDEPLOYING: Undeploying
	Type	UTF-8 string
	Number of occurrences	As many as there aretargetserver elements (0 or 1 element for each targetserver element).
networks	Description	Element holding the response information for the VNet information. This element will only be displayed if "true" has been set in "verbose".

Element name	Item	Item description
	Type	None
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
network	Description	Set of VNet information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are networks elements (0 or more elements for each networks element).
name	Description	Network name. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
networkCategory	Description	Network type: For manager LAN, the value is "MANAGEMENT". For business LAN, the value is "BUSINESS". If the network has not been registered, the value is an empty string. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
networkId	Description	Vnet ID. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
numOfMaxVm	Description	Maximum number of VMs. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
resourceId	Description	Network resource ID. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
segmentType	Description	Segment type information. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
lservers	Description	Element holding the response information for the server information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).

Element name	Item	Item description
lserver	Description	Set of server information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are lservers elements (0 or more elements for each lservers element).
containerPoolManaged	Description	Flag indicating whether the container resource pool where the server operates is managed by this product. This is one of the following: - true: Managed - false: Not managed
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
cpuPerf	Description	CPU performance. This element will only be displayed if "true" has been set in "verbose".
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
cpuReserve	Description	CPU reserve performance. This element will only be displayed if "true" has been set in "verbose".
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
cpuShare	Description	CPU allotment ratio. This element will only be displayed if "true" has been set in "verbose".
	Type	int
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
creator	Description	The tenant name of the person who created the server. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
diskimageId	Description	Disk image ID. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
diskimageName	Description	Disk image name. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
hostName	Description	Host name of the server. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string

Element name	Item	Item description
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
image	Description	Set of image information
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
cpuBit	Description	Number of bits for the CPU. One of the following values: - "32": 32 bit CPU. - "64": 64 bit CPU.
	Type	ASCII string
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
id	Description	Image ID
	Type	ASCII string
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
maxCpuPerf	Description	Maximum CPU performance
	Type	decimal
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
maxDiskSize	Description	Maximum amount of disk space
	Type	decimal
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
maxMemorySize	Description	Maximum amount of memory
	Type	decimal
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
maxSysvolSize	Description	Maximum capacity of system disk
	Type	decimal
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
numOfMaxCpu	Description	Maximum number of CPUs
	Type	int
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
numOfMaxDisk	Description	Maximum number of disks
	Type	int
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
numOfMaxNic	Description	Maximum number of NICs
	Type	int
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
serverApplication	Description	Server usage. One of the following values: - "WEB": Web server. - "AP": Application server. - "DB": Database server. - "FILE": File server.
	Type	ASCII string
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).

Element name	Item	Item description
serverCategory	Description	Server type. The value of this item is "GENERAL", indicating a generic server.
	Type	ASCII string
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
softwares	Description	Element holding the response information for the software information.
	Type	None
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
software	Description	Set of software information.
	Type	None
	Number of occurrences	As many as there are softwares elements (0 or more elements for each softwares element).
category	Description	Software category. One of the following values: - "OS": Operating system - "MIDDLE": Middleware - "APP": Application
	Type	ASCII string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
license	Description	License.
	Type	UTF-8 string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
name	Description	Software name.
	Type	UTF-8 string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
officialVersion	Description	Official version
	Type	ASCII string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
patch	Description	Patch version.
	Type	ASCII string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
softwareId	Description	Software ID.
	Type	ASCII string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
support	Description	Support.
	Type	ASCII string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
version	Description	Version number

Element name	Item	Item description
	Type	ASCII string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
patches	Description	Element holding the response information for the patch information
	Type	None
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
patch	Description	Set of patch information.
	Type	None
	Number of occurrences	As many as there are patches elements (0 or more elements for each patches element).
componentName	Description	Component name
	Type	ASCII string
	Number of occurrences	As many as there are patch elements (0 or 1 element for each patch element).
description	Description	Patch description
	Type	UTF-8 string
	Number of occurrences	As many as there are patch elements (0 or 1 element for each patch element).
patchId	Description	Patch ID
	Type	ASCII string
	Number of occurrences	As many as there are patch elements (0 or 1 element for each patch element).
softwareId	Description	Software ID
	Type	ASCII string
	Number of occurrences	As many as there are patch elements (0 or 1 element for each patch element).
storeType	Description	Storage location type. This is one of the following: - "Virtual Disk": Virtual storage - "Raw Disk": Existing disk
	Type	ASCII string
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
sysvolSize	Description	The size of the system volume
	Type	decimal
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
vdi	Description	Specifies whether to use VDI coordination. - true: Use VDI coordination When the VDI coordination is not used, this tag is not displayed.
	Type	ASCII string
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
vmType	Description	Virtual machine type. Refer to "15.2.2 Virtual L-Server Templates" in the "Reference Guide (Command/XML) CE" for details.
	Type	ASCII string
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).

Element name	Item	Item description
lserverType	Description	Server type. One of the following: - "Physical": Physical server. - "Virtual": Virtual Server This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
maxDefinableMemorySize	Description	Maximum amount of memory. It indicates the maximum amount of memory that can be allocated for memory hot plug-enabled KVM servers. This element will only be displayed if "true" has been set in "verbose".
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
memoryHotPlug	Description	Memory hot plug. If it is enabled on a KVM server, the memory size can be changed without powering off. - true: enabled - false: disabled When memory hot plug is enabled, the maximum amount of memory that can be changed is limited to the least of the following: - MAXDefinableMemorySize - "Maximum memory" of the image information Physical - memory size of the VM host. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
memorySize	Description	Amount of memory. This element will only be displayed if "true" has been set in "verbose".
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
memoryReserve	Description	Reserved memory capacity. This element will only be displayed if "true" has been set in "verbose".
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
memoryShare	Description	Memory allotment ratio. This element will only be displayed if "true" has been set in "verbose".
	Type	int
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
numOfCpu	Description	Number of CPUs. This element will only be displayed if "true" has been set in "verbose".
	Type	int

Element name	Item	Item description
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
pool	Description	The resource name of the VM pool. This will only be output if the server type is a server. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
priority	Description	Priority startup levels are set to between 1 and 256 when performing batch power supply controls. These values will be started up from small servers. However, servers with a startup priority level of '0' are not eligible for batch power supply operations.
	Type	int
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
requestCpuPerf	Description	Requested CPU performance. This element will only be displayed if "true" has been set in "verbose".
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
requestMemorySize	Description	Requested memory capacity. This element will only be displayed if "true" has been set in "verbose".
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
requestNumOfCpu	Description	Requested number of CPUs. This element will only be displayed if "true" has been set in "verbose".
	Type	int
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
resource	Description	Set of information displayed in the [Resources] tab.
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
name	Description	L-Server name.
	Type	ASCII string
	Number of occurrences	As many as there are resource elements (0 or 1 element for each resource element).
snapshotExist	Description	Flag indicating whether a snapshot exists on the server. This is one of the following: - true: Snapshot exists - false: Snapshot does not exist
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).

Element name	Item	Item description
sparePool	Description	The resource name of the spare pool.
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each disk element).
storagePool	Description	The resource name of the storage pool. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
sysvolSize	Description	The size of the system volume.
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element)
disks	Description	Element holding the response information for the additional disk information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
disk	Description	Set of additional disk information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are disks elements (0 or more elements for each disks element).
attachedTo	Description	ID of server to which additional disk has been attached. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
creator	Description	The tenant name of the person who created the additional disk. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element)
resourceName	Description	The name of the existing disk. This element will only be displayed for existing disks.
	Type	UTF-8 string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
size	Description	The size of the additional disk. The units are "GB". This element will only be displayed if "true" has been set in "verbose".
	Type	decimal
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
storagePool	Description	The resource name of the storage pool. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).

Element name	Item	Item description
diskId	Description	The ID of the additional disk. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
diskName	Description	The name of the additional disk. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
vmType	Description	Virtual machine type. Refer to "15.2.2 Virtual L-Server Templates" in the "Reference Guide (Command/XML) CE" for details. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
nics	Description	Element holding the response information for the NIC information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
nic	Description	Set of NIC information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are nics elements (0 or more elements for each nics element).
management	Description	Control NIC: The value is "1" if the NIC is a control NIC. Otherwise, the value is "0". This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
networkId	Description	Network ID. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
nicgroupIndex	Description	NIC group index to which the server belongs. This will not be displayed if the server is not included in the NIC group. This element will only be displayed if "true" has been set in "verbose".
	Type	int
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
nicNo	Description	NIC serial number. This element will only be displayed if "true" has been set in "verbose".
	Type	int
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).

Element name	Item	Item description
privateIp	Description	IP address. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
nicgroups	Description	Element holding the response information for the NIC group information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
nicgroup	Description	Set of NIC group information. This element will only be displayed if "true" has been set in "verbose".
	Type	None
	Number of occurrences	As many as there are nicgroups elements (0 or more elements for each nicgroups element).
management	Description	Control NIC. The value is "1" if the NIC is a control NIC. Otherwise, the value is "0". This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are nicgroup elements (0 or 1 element for each nicgroup element).
networkId	Description	Connection destination network ID. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are nicgroup elements (0 or 1 element for each nicgroup element).
nicgroupIndex	Description	NIC group index. This element will only be displayed if "true" has been set in "verbose".
	Type	int
	Number of occurrences	As many as there are nicgroup elements (0 or 1 element for each nicgroup element).
privateIp	Description	IP address. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are nicgroup elements (0 or 1 element for each nicgroup element).
lserverId	Description	Server ID. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
lserverName	Description	Server name. This element will only be displayed if "true" has been set in "verbose".
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).

Element name	Item	Item description
lserverStatus	Description	Server status. One of the following values: - "DEPLOYING": The server is being deployed. - "RUNNING": The server is running. - "STOPPING": The server is stopping. - "STOPPED": The server is stopped. - "STARTING": The server is operating. - "RESTORING": The server is being restored. - "BACKUP_ING": The server is being backed up. - "CLONING": The image is collecting. - "ERROR": A server error has occurred. - "START_ERROR": An error has occurred when the server is starting. - "STOP_ERROR": An error has occurred when the server is stopping. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
serverType	Description	Server type. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
vdi	Description	Specifies whether to use VDI coordination. - true: Use VDI coordination When the VDI coordination is not used, this tag is not displayed.
	Type	ASCII string
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
vdiConnectInfo	Description	VDI management server connection information
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
vdiPool	Description	VDI pool
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
vdiUser	Description	VDI user name
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).
lplatformName	Description	L-Platform name.
	Type	UTF-8 string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).

Element name	Item	Item description
lplatformStatus	Description	L-Platform status. One of the following values: - "NORMAL": The system is operating normally. - "RECONFIG_ING": The system is being reconfigured. - "DEPLOYING": The system is being deployed. - "SETUP": Software is being configured. - "ERROR": A system error has occurred. This element will only be displayed if "true" has been set in "verbose".
	Type	ASCII string
	Number of occurrences	As many as there are lplatform elements (0 or 1 element for each lplatform element).

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<ListLPlatformResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <lplatforms>
    <lplatform>
      <baseDescriptor>template-1325738ea5b</baseDescriptor>
      <bladeLogic>true</bladeLogic>
      <connector>none</connector>
      <creator>tenantA</creator>
      <description>firewall</description>
      <firewalls>
        <firewall>
          <interfaces>
            <interface>
              <name>network-param-0001</name>
              <networkId>8O0NW7TZV-N-1ot2#FWS#</networkId>
            </interface>
            <interface>
              <name>network-param-0002</name>
              <networkId>8O0NW7TZV-N-1ot4#FWS#</networkId>
            </interface>
          </interfaces>
          <name>Firewall</name>
          <ruleset>
            <description>rule1</description>
            <designtype>UserCustomize</designtype>
            <name>rule1</name>
            <parameters>
              <parameter>
                <description>param1</description>
                <name>param_var_001</name>
                <required>false</required>
                <summary>param1 summary</summary>
                <syntax>INTEGER(0..255)</syntax>
                <value>200</value>
                <view>false</view>
              </parameter>
              <parameter>
                <description>param2</description>
                <name>param_var_002</name>
                <required>true</required>
                <summary>param2 summary</summary>
                <syntax>DisplayString(SIZE(0..256))</syntax>
```

```xml
          <value/>
          <view>true</view>
        </parameter>
        <parameter>
          <description>param3</description>
          <name>param_var_003</name>
          <required>false</required>
          <summary>param3 summary</summary>
          <syntax>INTEGER(0..65535)</syntax>
          <value>400</value>
          <view>true</view>
        </parameter>
      </parameters>
    </ruleset>
  </firewall>
</firewalls>
<ownerUser>user1</ownerUser>
<slbs>
  <slb>
    <interfaces>
      <interface>
        <name>network-param-0001</name>
        <networkId>8O0NW7TZV-N-1ot2#FWS#</networkId>
      </interface>
      <interface>
        <name>network-param-0002</name>
        <networkId>8O0NW7TZV-N-1ot4#FWS#</networkId>
      </interface>
    </interfaces>
    <name>SLB</name>
    <operationLogExist>false</operationLogExist>
    <ruleset>
      <description>rule1</description>
      <name>rule1</name>
      <parameters>
        <parameter>
          <description>param1</description>
          <name>param_var_001</name>
          <required>false</required>
          <summary>param1 summary</summary>
          <syntax>INTEGER(0..255)</syntax>
          <value>200</value>
          <view>false</view>
        </parameter>
        <parameter>
          <description>param2</description>
          <name>param_var_002</name>
          <required>false</required>
          <summary>param2 summary</summary>
          <syntax>DisplayString(SIZE(0..256))</syntax>
          <value/>
          <view>true</view>
        </parameter>
        <parameter>
          <description>param3</description>
          <name>param_var_003</name>
          <required>false</required>
          <summary>param3 summary</summary>
          <syntax>INTEGER(0..65535)</syntax>
          <value>400</value>
          <view>true</view>
        </parameter>
      </parameters>
```

```
                    <targetservers>
                      <targetserver>
                       <lserverId>tenantA-M3PGGWCFX-S-0001</lserverId>
                       <nicNo>1</nicNo>
                       <parameterName>param_var_001</parameterName>
                       <status>NORMAL</status>
                      </targetserver>
                      <targetserver>
                       <lserverId>tenantA-M3PGGWCFX-S-0002</lserverId>
                       <nicNo>2</nicNo>
                       <parameterName>param_var_002</parameterName>
                       <status>NORMAL</status>
                      </targetserver>
                     </targetservers>
                   </ruleset>
                 </slb>
              </slbs>
              <networks>
                <network>
                  <name>network-param-0002</name>
                  <networkCategory>BUSINESS</networkCategory>
                  <networkId>8O0NW7TZV-N-1ot4#FWS#</networkId>
                  <numOfMaxVm>10</numOfMaxVm>
                  <resourceId>mngsrv_1234</resourceId>
                  <segmentType>DMZ</segmentType>
                </network>
                <network>
                  <name>network-param-0001</name>
                  <networkCategory>BUSINESS</networkCategory>
                  <networkId>8O0NW7TZV-N-1ot2#FWS#</networkId>
                  <numOfMaxVm>10</numOfMaxVm>
                  <resourceId>mngsrv_1235</resourceId>
                  <segmentType>Intranet</segmentType>
                </network>
              </networks>
              <lservers>
                <lserver>
                  <cpuPerf>1.0</cpuPerf>
                  <creator>tenantA</creator>
                  <diskimageId>image-1324e093f4e</diskimageId>
                  <diskimageName>g-physical-0001</diskimageName>
                  <hostName>V8O0NW7TZV0001</hostName>
                  <image>
                    <cpuBit>32</cpuBit>
                    <id>image-1324e093f4e</id>
                    <maxCpuPerf>4.0</maxCpuPerf>
                    <maxDiskSize>100.0</maxDiskSize>
                    <maxMemorySize>8.0</maxMemorySize>
                    <maxSysvolSize>200.0</maxSysvolSize>
                    <numOfMaxCpu>2</numOfMaxCpu>
                    <numOfMaxDisk>0</numOfMaxDisk>
                    <numOfMaxNic>3</numOfMaxNic>
                    <serverApplication>AP</serverApplication>
                    <serverCategory>GENERAL</serverCategory>
                    <softwares>
                      <software>
                        <category>OS</category>
                        <license>1</license>
                        <name>softNameA</name>
                        <officialVersion/>
                        <patch/>
                        <softwareId>SW00000003</softwareId>
                        <support>1</support>
```

```
        <version>6.0</version>
      </software>
    </softwares>
    <sysvolSize>20.0</sysvolSize>
  </image>
  <lserverType>Physical</lserverType>
  <memorySize>2.0</memorySize>
  <numOfCpu>2</numOfCpu>
  <pool>/ServerPool</pool>
  <priority>128</priority>
  <requestCpuPerf>1.4</requestCpuPerf>
  <requestMemorySize>2.0</requestMemorySize>
  <requestNumOfCpu>1</requestNumOfCpu>
  <resource>
    <name>tenantA-8O0NW7TZV-S-0001</name>
  </resource>
  <snapshotExist>false</snapshotExist>
  <sparePool>/SparePool</sparePool>
  <storagePool>/StoragePool</storagePool>
  <sysvolSize>100</sysvolSize>
  <disks/>
  <nics>
    <nic>
      <management>0</management>
      <networkId>8O0NW7TZV-N-1ot2#FWS#</networkId>
      <nicNo>2</nicNo>
      <privateIp>192.xxx.xxx.xxx</privateIp>
    </nic>
    <nic>
      <management>1</management>
      <networkId>8O0NW7TZV-N-1ot2#FWS#</networkId>
      <nicNo>1</nicNo>
      <privateIp>192.xxx.xxx.xxx</privateIp>
    </nic>
  </nics>
  <lserverId>tenantA-8O0NW7TZV-S-0001</lserverId>
  <lserverName>physical2</lserverName>
  <lserverStatus>RUNNING</lserverStatus>
  <serverType>Economy</serverType>
</lserver>
<lserver>
  <cpuPerf>1.2</cpuPerf>
  <creator>tenantA</creator>
  <diskimageId>image-1324e09f82f</diskimageId>
  <diskimageName>g-vm-0002</diskimageName>
  <hostName>V8O0NW7TZV0002</hostName>
  <image>
    <cpuBit>64</cpuBit>
    <id>image-1324e09f82f</id>
    <maxCpuPerf>1.4</maxCpuPerf>
    <maxDiskSize>30.0</maxDiskSize>
    <maxMemorySize>2.0</maxMemorySize>
    <maxSysvolSize>30.0</maxSysvolSize>
    <numOfMaxCpu>1</numOfMaxCpu>
    <numOfMaxDisk>1</numOfMaxDisk>
    <numOfMaxNic>15</numOfMaxNic>
    <serverApplication>AP</serverApplication>
    <serverCategory>GENERAL</serverCategory>
    <softwares>
      <software>
        <category>OS</category>
        <license/>
        <name>Windows Server 2008 R2 Enterprise</name>
```

```xml
          <officialVersion/>
          <patch/>
          <softwareId>SW00000007</softwareId>
          <support/>
          <version>6.1</version>
        </software>
      </softwares>
      <sysvolSize>30.0</sysvolSize>
      <vmType>VMware</vmType>
    </image>
    <lserverType>Virtual</lserverType>
    <memorySize>1.6</memorySize>
    <numOfCpu>1</numOfCpu>
    <pool>/VMHostPool</pool>
    <priority>128</priority>
    <resource>
      <name>tenantA-8O0NW7TZV-S-0002</name>
    </resource>
    <snapshotExist>true</snapshotExist>
    <storagePool>/StoragePool</storagePool>
    <sysvolSize>100</sysvolSize>
    <disks/>
    <vmType>VMware</vmType>
    <nics>
      <nic>
        <management>0</management>
        <networkId>8O0NW7TZV-N-1ot4#FWS#</networkId>
        <nicNo>3</nicNo>
        <privateIp>192.xxx.xxx.xxx</privateIp>
      </nic>
      <nic>
        <management>0</management>
        <networkId>8O0NW7TZV-N-1ot4#FWS#</networkId>
        <nicNo>2</nicNo>
        <privateIp>192.xxx.xxx.xxx</privateIp>
      </nic>
      <nic>
        <management>1</management>
        <networkId>8O0NW7TZV-N-1ot4#FWS#</networkId>
        <nicNo>1</nicNo>
        <privateIp>192.xxx.xxx.xxx</privateIp>
      </nic>
    </nics>
    <lserverId>tenantA-8O0NW7TZV-S-0002</lserverId>
    <lserverName>virtual</lserverName>
    <lserverStatus>RUNNING</lserverStatus>
    <serverType>over_commit</serverType>
  </lserver>
  </lservers>
  <lplatformId>tenantA-8O0NW7TZV</lplatformId>
  <lplatformName>firewall-test</lplatformName>
  <lplatformStatus>NORMAL</lplatformStatus>
</lplatform>
<lplatform>
  <baseDescriptor>template-1324e0c2ac0</baseDescriptor>
  <bladeLogic>true</bladeLogic>
  <creator>tenantA</creator>
  <description/>
  <ownerUser>user2</ownerUser>
  <networks>
    <network>
      <name>ServiceLan</name>
      <networkCategory>BUSINESS</networkCategory>
```

```xml
          <networkId>6MYJCS7MR-N-j8f0</networkId>
          <numOfMaxVm>10</numOfMaxVm>
          <resourceId>mngsrv_1236</resourceId>
          <segmentType/>
      </network>
      <network>
          <name>AdminLan</name>
          <networkCategory>BUSINESS</networkCategory>
          <networkId>6MYJCS7MR-N-j61j</networkId>
          <numOfMaxVm>10</numOfMaxVm>
          <resourceId>mngsrv_1237</resourceId>
          <segmentType/>
      </network>
  </networks>
  <lservers>
      <lserver>
          <cpuPerf>1.0</cpuPerf>
          <creator>tenantA</creator>
          <diskimageId>image-1324e093f4e</diskimageId>
          <diskimageName>g-physical-0001</diskimageName>
          <hostName>V6MYJCS7MR0001</hostName>
          <image>
              <cpuBit>64</cpuBit>
              <id>image-1324e093f4e</id>
              <maxCpuPerf>1.4</maxCpuPerf>
              <maxDiskSize>30.0</maxDiskSize>
              <maxMemorySize>2.0</maxMemorySize>
              <maxSysvolSize>30.0</maxSysvolSize>
              <numOfMaxCpu>1</numOfMaxCpu>
              <numOfMaxDisk>1</numOfMaxDisk>
              <numOfMaxNic>15</numOfMaxNic>
              <serverApplication>AP</serverApplication>
              <serverCategory>GENERAL</serverCategory>
              <softwares>
                  <software>
                      <category>OS</category>
                      <license/>
                      <name>Windows Server 2008 R2 Enterprise</name>
                      <officialVersion/>
                      <patch/>
                      <softwareId>SW00000007</softwareId>
                      <support/>
                      <version>6.1</version>
                  </software>
              </softwares>
              <sysvolSize>30.0</sysvolSize>
          </image>
          <lserverType>Physical</lserverType>
          <memorySize>2.0</memorySize>
          <numOfCpu>2</numOfCpu>
          <pool>/ServerPool</pool>
          <priority>128</priority>
          <requestCpuPerf>0.1</requestCpuPerf>
          <requestMemorySize>0.1</requestMemorySize>
          <requestNumOfCpu>1</requestNumOfCpu>
          <resource>
              <name>tenantA-6MYJCS7MR-S-0001</name>
          </resource>
          <snapshotExist>false</snapshotExist>
          <sparePool>/SparePool</sparePool>
          <storagePool>/StoragePool</storagePool>
          <sysvolSize>100</sysvolSize>
          <disks/>
```

```
      <nics>
        <nic>
          <management>0</management>
          <networkId>6MYJCS7MR-N-j61j</networkId>
          <nicNo>2</nicNo>
          <privateIp>192.xxx.xxx.xxx</privateIp>
        </nic>
        <nic>
          <management>1</management>
          <networkId>6MYJCS7MR-N-j61j</networkId>
          <nicNo>1</nicNo>
          <privateIp>192.xxx.xxx.xxx</privateIp>
        </nic>
      </nics>
      <lserverId>tenantA-6MYJCS7MR-S-0001</lserverId>
      <lserverName>physical</lserverName>
      <lserverStatus>STOPPED</lserverStatus>
      <serverType>Economy</serverType>
  </lserver>
  <lserver>
      <cpuPerf>1.2</cpuPerf>
      <creator>tenantA</creator>
      <diskimageId>image-1324e09f82f</diskimageId>
      <diskimageName>g-vm-0002</diskimageName>
      <hostName>V6MYJCS7MR0002</hostName>
      <image>
        <cpuBit>64</cpuBit>
        <id>image-1324e09f82f</id>
        <maxCpuPerf>1.4</maxCpuPerf>
        <maxDiskSize>30.0</maxDiskSize>
        <maxMemorySize>2.0</maxMemorySize>
        <maxSysvolSize>30.0</maxSysvolSize>
        <numOfMaxCpu>1</numOfMaxCpu>
        <numOfMaxDisk>1</numOfMaxDisk>
        <numOfMaxNic>15</numOfMaxNic>
        <serverApplication>AP</serverApplication>
        <serverCategory>GENERAL</serverCategory>
        <softwares>
          <software>
            <category>OS</category>
            <license/>
            <name>Windows Server 2008 R2 Enterprise</name>
            <officialVersion/>
            <patch/>
            <softwareId>SW00000007</softwareId>
            <support/>
            <version>6.1</version>
          </software>
        </softwares>
        <sysvolSize>30.0</sysvolSize>
        <vmType>VMware</vmType>
      </image>
      <lserverType>Virtual</lserverType>
      <memorySize>1.6</memorySize>
      <numOfCpu>1</numOfCpu>
      <pool>/VMHostPool</pool>
      <priority>128</priority>
      <resource>
        <name>tenantA-6MYJCS7MR-S-0002</name>
      </resource>
      <snapshotExist>true</snapshotExist>
      <storagePool>/StoragePool</storagePool>
      <sysvolSize>100</sysvolSize>
```

```
            <disks/>
            <vmType>VMware</vmType>
            <nics>
              <nic>
                <management>1</management>
                <networkId>6MYJCS7MR-N-j8f0</networkId>
                <nicNo>1</nicNo>
                <privateIp>192.xxx.xxx.xxx</privateIp>
              </nic>
              <nic>
                <management>0</management>
                <networkId>6MYJCS7MR-N-j8f0</networkId>
                <nicNo>3</nicNo>
                <privateIp>192.xxx.xxx.xxx</privateIp>
              </nic>
              <nic>
                <management>0</management>
                <networkId>6MYJCS7MR-N-j8f0</networkId>
                <nicNo>2</nicNo>
                <privateIp>192.xxx.xxx.xxx</privateIp>
              </nic>
            </nics>
            <lserverId>tenantA-6MYJCS7MR-S-0002</lserverId>
            <lserverName>virtual2</lserverName>
            <lserverStatus>STOPPED</lserverStatus>
            <serverType>over_commit</serverType>
          </lserver>
        </lservers>
        <lplatformId>tenantA-6MYJCS7MR</lplatformId>
        <lplatformName>test-mix</lplatformName>
        <lplatformStatus>NORMAL</lplatformStatus>
      </lplatform>
    </lplatforms>
</ListLPlatformResponse>
```

2.2.10 ListNetworkInfo (Gets Network Information for an L-Platform)

This API gets network information for the target L-Platform.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "ListNetworkInfo".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.

Parameter name	Item	Item description
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ListNetworkInfoResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <networks>
    <network>
      <addressSet>
        <end>[End address of the address set]</end>
        <mask>[Netmask of the address set]</mask>
        <name>[Address set name]</name>
        <start>[Leading address of the address set]</start>
        <subnet>[Subnet address of the address set]</subnet>
      </addressSet>
      <addressSetStatus>
        <avail>[Number of vacant addresses in the address set]</avail>
        <num>[Total number of addresses in the address set]</num>
        <used>[Number of reserved addresses in the address set]</used>
      </addressSetStatus>
      <excludeaddressranges>
        <excludeaddressrange>
          <end>[End address of the excluded addresses]</end>
          <start>[Leading address of the excluded addresses]</start>
        </excludeaddressrange>
      </excludeaddressranges>
      <name>[Network name]</name>
      <networkCategory>[Network type]</networkCategory>
      <networkId>[Network ID]</networkId>
      <numOfMaxVm>[Maximum number of VMs]</numOfMaxVm>
      <resourceId>[Network resource ID]</resourceId>
      <segmentType>[Segment type information]</segmentType>
    </network>
  </networks>
</ListNetworkInfoResponse>
```

<Elements>

Element name	Item	Item description
ListNetworkInfoResponse	Description	Element holding the response information

Element name	Item	Item description
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chaper 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
networks	Description	Element holding the response information for the network information
	Type	None
	Number of occurrences	0 or 1
network	Description	Set of network information
	Type	None
	Number of occurrences	As many as there are networks elements (0 or more elements for each networks element).
addressSet	Description	Set of address set information
	Type	None
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
end	Description	The end address of the address set
	Type	ASCII string
	Number of occurrences	As many as there are addressSet elements (0 or 1 element for each addressSet element).
mask	Description	The netmask of the address set.
	Type	ASCII string
	Number of occurrences	As many as there are addressSet elements (0 or 1 element for each addressSet element).
name	Description	Address set name
	Type	UTF-8 string
	Number of occurrences	As many as there are addressSet elements (0 or 1 element for each addressSet element).
start	Description	The leading address of the address set
	Type	ASCII string
	Number of occurrences	As many as there are addressSet elements (0 or 1 element for each addressSet element).
subnet	Description	The subnet address of the address set

Element name	Item	Item description
	Type	ASCII string
	Number of occurrences	As many as there are addressSet elements (0 or 1 element for each addressSet element).
addressSetStatus	Description	Set of address set status information
	Type	None
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
avail	Description	Number of vacant addresses in the address set.
	Type	int
	Number of occurrences	As many as there are addressSetStatus elements (0 or 1 element for each addressSetStatus element).
num	Description	Number of addresses in the address set.
	Type	int
	Number of occurrences	As many as there are addressSetStatus elements (0 or 1 element for each addressSetStatus element).
used	Description	Number of reserved addresses in the address set.
	Type	int
	Number of occurrences	As many as there are addressSetStatus elements (0 or 1 element for each addressSetStatus element).
excludeaddressranges	Description	Element holding the response information for the excluded address information.
	Type	None
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
excludeaddressrange	Description	Set of excluded address information.
	Type	None
	Number of occurrences	As many as there are excludeaddressranges elements (0 or more elements for each excludeaddressranges element).
end	Description	The end address of the excluded addresses.
	Type	ASCII string
	Number of occurrences	As many as there are excludeaddressrange elements (0 or 1 element for each excludeaddressrange element).
start	Description	The leading address of the excluded addresses.
	Type	ASCII string
	Number of occurrences	As many as there are excludeaddressrange elements (0 or 1 element for each excludeaddressrange element).
name	Description	L-Platform name.
	Type	UTF-8 string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
networkCategory	Description	Network type. For manager LAN, the value is "MANAGEMENT". For business LAN, the value is "BUSINESS". If the network has not been registered, the value is an empty string.

Element name	Item	Item description
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
networkId	Description	Network ID.
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
numOfMaxVm	Description	Maximum number of VMs.
	Type	int
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
resourceId	Description	Network resource ID.
	Type	ASCII string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).
segmentType	Description	Segment type information.
	Type	UTF-8 string
	Number of occurrences	As many as there are network elements (0 or 1 element for each network element).

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<ListNetworkInfoResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <networks>
    <network>
      <addressSet>
        <end>192.xxx.xxx.xxx</end>
        <mask>255.xxx.xxx.xxx</mask>
        <name>addr_set10</name>
        <start>192.xxx.xxx.xxx</start>
        <subnet>192.xxx.xxx.xxx</subnet>
      </addressSet>
      <addressSetStatus>
        <avail>138</avail>
        <num>140</num>
        <used>2</used>
      </addressSetStatus>
      <excludeaddressranges/>
      <name>N01</name>
      <networkCategory>BUSINESS</networkCategory>
      <networkId>M3PGGWCFX-N-INTRANET</networkId>
      <numOfMaxVm>10</numOfMaxVm>
      <resourceId>mngsrv_1234</resourceId>
      <segmentType>DMZ</segmentType>
    </network>
    <network>
      <addressSet>
        <mask>255.xxx.xxx.xxx</mask>
        <name>addr_set20</name>
```

```
            <subnet>192.xxx.xxx.xxx</subnet>
        </addressSet>
        <addressSetStatus>
          <avail>116</avail>
          <num>120</num>
          <used>4</used>
        </addressSetStatus>
        <excludeaddressranges>
          <excludeaddressrange>
            <end>192.xxx.xxx.xxx</end>
            <start>192.xxx.xxx.xxx</start>
          </excludeaddressrange>
        </excludeaddressranges>
        <name>N02</name>
        <networkCategory>MANAGEMENT</networkCategory>
        <networkId>M3PGGWCFX-N-INTERNET</networkId>
        <numOfMaxVm>10</numOfMaxVm>
        <resourceId>mngsrv_1235</resourceId>
        <segmentType>SECURE</segmentType>
      </network>
   </networks>
</ListNetworkInfoResponse>
```

2.2.11 MoveLPlatform (Changes the Organization that Owns an L-Platform)

This API changes the organization that owns an L-Platform.

This API is executed asynchronously. After the API is successfully executed, the status of the L-Platform changes to Reconfiguring (RECONFIG_ING) during the execution of the operation, and changes back to Operating Normally (NORMAL) when the operation is completed. When the status of an L-Platform is Reconfiguring, the L-Platform cannot be operated. Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "MoveLPlatform".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.

Parameter name	Item	Item description
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 31 characters.
toUserId	Description	The user ID after the change.
	Type	ASCII string
	Value	No more than 31 characters.
toOrgId	Description	The tenant name after the change.
	Type	ASCII string
	Value	No more than 8 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<MoveLPlatformResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</MoveLPlatformResponse>
```

<Elements>

Element name	Item	Item description
MoveLPlatformResponse	Description	The version ID of the L-Platform API.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message: This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status: This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<MoveLPlatformResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
```

```
    <responseMessage>PAPI00000 Processing was completed.</responseMessage>
    <responseStatus>SUCCESS</responseStatus>
</MoveLPlatformResponse>
```

2.2.12 OperateSLB (Operate Server Load Balancer)

This API executes server load balancer operations.

If there are operation logs that have not been acquired, operations cannot be performed.

It is necessary to specify all parameters defined in the ruleset.

This API supports only the POST method.

This API is executed asynchronously. After the API is successfully executed, the status of the L-Platform changes to Reconfiguring (RECONFIG_ING) during the execution of the operation, and changes back to Operating Normally (NORMAL) when the operation is completed. When the status of an L-Platform is Reconfiguring, the L-Platform cannot be operated. Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

Request body

<XML>

```
<Request>
  <param name="Version">[Version ID]</param>
  <param name="Locale">[Locale ID]</param>
  <param name="Action">[Action ID]</param>
  <param name="userId">[User ID]</param>
  <param name="orgId">[Tenant ID]</param>
  <param name="lplatformId">[L-Platform ID]</param>
  <Body>
    <slb>
      <name>[Server load balancer name]</name>
      <ruleset>
        <name>[Ruleset name]</name>
        <parameters>
          <parameter>
            <name>[Parameter name]</name>
            <value>[Parameter value]</value>
          </parameter>
          ...
        </parameters>
      </ruleset>
    </slb>
  </Body>
</Request>
```

<Parameter>

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The user ID of the user that executes the L-Platform API.

Parameter name	Item	Item description
	Type	ASCII string
	Value	Fixed. Specify "UpdateSLBConfiguration".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
L-Platform ID	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.
Server load balancer name	Description	Server load balancer name.
	Type	ASCII string
	Value	No more than 32 characters.
Ruleset name	Description	Ruleset name.
	Type	ASCII string
	Value	No more than 32 characters.
Parameter name	Description	Name of the parameter of the server load balancer executing the operation. Specify the name of the parameter in the target ruleset that was obtained by GetRulesetConfiguration. The name may differ to the one displayed in the window.
	Type	ASCII string
	Value	The characters <, >, &, ', ", and linefeeds cannot be specified.
Parameter value	Description	Value of the parameter executing the operation.
	Type	ASCII string
	Value	The characters <, >, &, ', ", and linefeeds cannot be specified.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<OperateSLBResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <operationId>[Operation ID]</operationId>
  <responseMessage>[Massage]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</OperateSLBResponse>
```

<Elements>

Element name	Item	Item description
OperateSLBResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
operationId	Description	Operation ID. Specify when executing GetOperationResult.
	Type	None.
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chaper 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<OperateSLBResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <operationId>ROR_001</operationId>
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</OperateSLBResponse>
```

2.2.13 StartLPlatform (Performs Batch Power-On for Servers Included in an L-Platform)

This API performs batch power-on for the servers included in an L-Platform.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English

Parameter name	Item	Item description
Action	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "StartLPlatform".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 31 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<StartLPlatformResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</StartLPlatformResponse>
```

<Elements>

Element name	Item	Item description
StartLPlatformResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chaper 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string

Element name	Item	Item description
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<StartLPlatformResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</StartLPlatformResponse>
```

2.2.14 StartTenantLServers (Performs Batch Power-On for Servers Included in a Tenant)

This API performs batch power-on for the servers included in a Tenant.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "StartTenantLServers".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<StartTenantLServersResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
```

```
  <responseStatus>[Status]</responseStatus>
</StartTenantLServersResponse>
```

<Elements>

Element name	Item	Item description
StartTenantLServersResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chaper 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<StartTenantLServersResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</StartTenantLServersResponse>
```

2.2.15 StopLPlatform (Performs Batch Power-Off for Servers Included in an L-Platform)

This API performs batch power-off for the servers included in an L-Platform.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The user ID of the user that executes the L-Platform API.

Parameter name	Item	Item description
	Type	ASCII string
	Value	Fixed. Specify "StopLPlatform".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 31 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<StopLPlatformResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</StopLPlatformResponse>
```

<Elements>

Element name	Item	Item description
StopLPlatformResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chaper 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<StopLPlatformResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</StopLPlatformResponse>
```

2.2.16 StopTenantLServers (Performs Batch Power-Off for Servers Included in a Tenant)

This API performs batch power-off for the servers included in a Tenant.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "StopTenantLServers".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<StopTenantLServersResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</StopTenantLServersResponse>
```

<Elements>

Element name	Item	Item description
StopTenantLServersResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chaper 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<StopTenantLServersResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</StopTenantLServersResponse>
```

2.2.17 UpdateFirewallConfiguration (Modify Firewall Configuration)

This API modifies the firewall configuration.Parameters that are not modified may be omitted.
This API supports only the POST method.
This API is executed asynchronously. After the API is successfully executed, the status of the L-Platform changes to Reconfiguring (RECONFIG_ING) during the execution of the operation, and changes back to Operating Normally (NORMAL) when the operation is completed. When the status of an L-Platform is Reconfiguring, the L-Platform cannot be operated. Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

📒 Note

. . . .
This API does not enable you to change the settings for a firewall that does not use a ruleset.
. . . .

Request body

<XML>

```
<Request>
  <param name="Version">[Version ID]</param>
  <param name="Locale">[Locale ID]</param>
  <param name="Action">[Action ID]</param>
  <param name="userId">[User ID]</param>
  <param name="orgId">[Tenant ID]</param>
```

```
    <param name="lplatformId">[L-Platform ID]</param>
    <Body>
      <firewall>
        <ruleset>
          <parameters>
            <parameter>
              <name>[Parameter name]</name>
              <value>[Parameter Value]</value>
            </parameter>
            ...
          </parameters>
        </ruleset>
      </firewall>
    </Body>
</Request>
```

<Parameter>

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "UpdateFirewallConfiguration".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
L-Platform ID	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.
parameter name	Description	Name of parameter to be modified. Specify the name of the parameter in the target firewall that was obtained by GetLPlatformConfiguration. The name may differ to the one displayed in the window.
	Type	ASCII string
	Value	The characters <, >, &, ', ", and linefeeds cannot be specified.
parameter value	Description	Value of the parameter after modification.
	Type	ASCII string
	Value	The characters <, >, &, ', ", and linefeeds cannot be specified.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<UpdateFirewallConfigurationResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</UpdateFirewallConfigurationResponse>
```

<Elements>

Element name	Item	Item description
UpdateFirewallConfigurationResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chaper 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<UpdateFirewallConfigurationResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</UpdateFirewallConfigurationResponse>
```

2.2.18 UpdateSLBConfiguration (Modify Server Load Balancer Configuration)

This API modifies the server load balancer configuration.Parameters that are not modified may be omitted.
This API supports only the POST method.

This API is executed asynchronously. After the API is successfully executed, the status of the L-Platform changes to Reconfiguring (RECONFIG_ING) during the execution of the operation, and changes back to Operating Normally (NORMAL) when the operation is

completed. When the status of an L-Platform is Reconfiguring, the L-Platform cannot be operated. Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

Request body

<XML>

```
<Request>
  <param name="Version">[Version ID]</param>
  <param name="Locale">[Locale ID]</param>
  <param name="Action">[Action ID]</param>
  <param name="userId">[User ID]</param>
  <param name="orgId">[Tenant ID]</param>
  <param name="lplatformId">[L-Platform ID]</param>
  <Body>
    <slb>
      <name>[Server load balancer name]</name>
      <ruleset>
        <parameters>
          <parameter>
            <name>[Parameter name]</name>
            <value>[Parameter value]</value>
          </parameter>
          ...
        </parameters>
      </ruleset>
    </slb>
  </Body>
</Request>
```

<Parameter>

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "UpdateSLBConfiguration".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
L-Platform ID	Description	L-Platform ID
	Type	ASCII string

Parameter name	Item	Item description
	Value	No more than 32 characters.
Server load balancer name	Description	Server load balancer name.
	Type	ASCII string
	Value	No more than 32 characters.
parameter name	Description	Name of parameter to be modified. Specify the name of the parameter in the target firewall that was obtained by GetLPlatformConfiguration. The name may differ to the one displayed in the window.
	Type	ASCII string
	Value	The characters <, >, &, ', ", and linefeeds cannot be specified.
parameter value	Description	Value of the parameter after modification.
	Type	ASCII string
	Value	The characters <, >, &, ', ", and linefeeds cannot be specified.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<UpdateSLBConfigurationResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</UpdateSLBConfigurationResponse>
```

<Elements>

Element name	Item	Item description
UpdateSLBConfigurationResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chaper 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<UpdateSLBConfigurationResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</UpdateSLBConfigurationResponse>
```

2.3 Operations on Server

This section explains the L-Platform APIs relating to operations on server.

2.3.1 AddPatch (Adds Patch Information)

This API adds patch information to a server.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "AddPatch".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters
lplatformId	Description	L-Platform ID
	Type	ASCII string
	Value	No more than 32 characters
lserverId	Description	Server ID.
	Type	ASCII string
	Value	No more than 32 characters
softwareId	Description	Software ID
	Type	ASCII string
	Value	No more than 32 characters
patchId	Description	Patch ID.

Parameter name	Item	Item description
	Type	ASCII string
	Value	No more than 32 characters. Any desired value can be specified. Specify the patch number and so on. If an existing ID is specified, the patch information for the specified ID will be updated. However, linefeed codes and the following characters cannot be specified: < > & ' "
[componentName]	Description	The name of the component to which the patch is to be applied. This element can be omitted if the patch specification does not include the concept of components.
	Type	UTF-8 string
	Value	No more than 85 characters. However, linefeed codes and the following characters cannot be specified: < > & ' "
[description]	Description	Description of the patch.
	Type	UTF-8 string
	Value	No more than 85 characters. However, linefeed codes and the following characters cannot be specified: < > & ' "

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<AddPatchResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</AddPatchResponse>
```

<Elements>

Element name	Item	Item description
AddPatchResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<AddPatchResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</AddPatchResponse>
```

2.3.2 CancelError (Cancels the Error Status of a Backup or Restoration Task)

This API releases the error status of any backup or restoration task that has been specified.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "CancelError".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters
lplatformId	Description	L-Platform ID
	Type	ASCII string
	Value	No more than 32 characters
taskId	Description	The ID of the backup or restoration task whose error status is to be released
	Type	ASCII string
	Value	No more than 32 characters

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<CancelErrorResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</CancelErrorResponse>
```

<Elements>

Element name	Item	Item description
CancelErrorResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<CancelErrorResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</CancelErrorResponse>
```

2.3.3 CreateImage (Collects the Cloning Image of a Server)

This API collects the cloning image of a server.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English

Parameter name	Item	Item description
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "CreateImage".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters
lplatformId	Description	L-Platform ID
	Type	ASCII string
	Value	No more than 32 characters
lserverId	Description	Server ID
	Type	ASCII string
	Value	No more than 32 characters
name	Description	The image name to be given to the image to be created
	Type	ASCII string
	Value	No more than 32 characters
imagePool	Description	The resource ID of the image pool
	Type	ASCII string
	Value	No more than 32 characters
comment	Description	Comment
	Type	UTF-8 string
	Value	No more than 128 characters
[allDisk]	Description	Specify whether to collect the cloning master together with the expanded disk
	Type	ASCII string
	Value	One of the following values: - true: Collect the cloning master together with the expanded disk - false: Do not collect the cloning master together with the expanded disk If this parameter is omitted, the default value is the "false". This can be specified with VMware or Hyper-V servers. With VMware servers, if images are collected with "false" specified, the actual collected image will be an image including expanded disks. However, the image information registered after image collection will be image information that does not include expanded disks, so if this image information is used to deploy a server, it is deployed to a system disk.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<CreateImageResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</CreateImageResponse>
```

<Elements>

Element name	Item	Item description
CreateImageResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<CreateImageResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</CreateImageResponse>
```

2.3.4 CreateLServer (Creates a New Server)

This API creates a server within an L-Platform. The user must always specify the ID of the disk image that is used as the initial content required for the startup disk. The request message is encoded using UTF-8.

This API is executed asynchronously. After the API is successfully executed, the status of the L-Platform changes to Reconfiguring (RECONFIG_ING) during the execution of the operation, and changes back to Operating Normally (NORMAL) when the operation is completed. When the status of an L-Platform is Reconfiguring, the L-Platform cannot be operated. Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

It cannot be used in the following cases:

  - The target L-Platform has Solaris Zones servers not managed by BladeLogic.

  - When specifying an image for which use of VDI coordination is enabled

Note

When creating a physical server, only two APIs can be executed simultaneously, due to the limitations of the hardware that is set.
When creating more than two physical servers, leave some time between the executions of this API.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "CreateLServer".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.
lserverName	Description	Server name
	Type	UTF-8 string
	Value	No more than 85 characters. However, linefeed codes and the following characters cannot be specified: < > & ' "
serverType	Description	Server type
	Type	ASCII string
	Value	No more than 32 characters.
[lserverType]	Description	Server type
	Type	ASCII string
	Value	This parameter does not need to be specified.
diskImageId	Description	Disk image ID
	Type	ASCII string
	Value	No more than 32 characters.
controlNetworkId	Description	The ID of the network connected to the control NIC.
	Type	ASCII string

Parameter name	Item	Item description
	Value	If a physical server is to be created, the network ID of the management LAN must be specified. When specifying the IP address of the control NIC, specify the network ID using the following format: controlNetworkId=network_id'xxx:xxx:xxx:xxx
[networkId]	Description	The ID of a network other than the control NIC.
	Type	ASCII string
	Value	If there are multiple NICs, specify the network ID using the following format: networkId=network_1"network_2 When specifying the IP address, specify the network ID using the following format: networkId=network_1'xxx:xxx:xxx:xxx"network_2'xxx:xxx:xxx:xxx
[pool]	Description	The resource name of the VM pool or server pool.
	Type	ASCII string
	Value	If a tenant pool is to be used, the full path name must be used to specify the pool name. This must be specified when using RHEL-KVM. Example: /tenantA/pool
[storagePool]	Description	The resource name of the storage pool.
	Type	ASCII string
	Value	If a tenant pool is to be used, the full path name must be used to specify the pool name. This must be specified when using RHEL-KVM. Example: /tenantA/pool
[cpuPerf]	Description	CPU performance. The value must be specified in GHz, up to one decimal place. Specify a value that is no less than 0.1 and no more than the maximum value specified by the image (or no more than 99999.9 if the maximum value has not been specified). If OVM for SPARC is used, then the value specified for this parameter will be ignored, and the value of the CPU performance of the deployed VM host will be used instead.
	Type	decimal
	Value	0.1 to 99999.9
[numOfCpu]	Description	Number of CPUs
	Type	int
	Value	1 or more. The maximum value is the value that has been specified for each image (or the maximum value for the INT type if no value has been specified).
[cpuReserve]	Description	Reserved CPU performance. Specify a value that is no less than 0.0 and no more than the maximum value specified by either cpuPerf or the image (or no more than 99999.9 if neither of these have been specified).
	Type	decimal
	Value	0.0 to 99999.9.
[cpuShare]	Description	CPU allotment ratio. [When VM type is VMware] CPU Shares. [When VM type is Hyper-V] CPU Weight. For physical servers, this will be ignored even if specified.
	Type	int
	Value	1 to 1000000.

Parameter name	Item	Item description
		[When VM type is VMware] 1 to 1000000. [When VM type is Hyper-V] 1 to 10000.
[memorySize]	Description	Amount of memory. The value must be specified in GB, up to one decimal place. Specify a value that is no less than 0.1 and no more than the maximum value specified by the image (or no more than 99999.9 if the maximum value has not been specified).
	Type	decimal
	Value	0.1 to 99999.9
[memoryReserve]	Description	Reserved memory capacity. Specify a value that is no less than 0.0 and no more than the maximum value specified by either memorySize or the image (or no more than 99999.9 if neither of these have been specified). [When VM type is VMware] Reserved memory capacity. Specify a value that is no less than 0.0 and no more than the maximum value specified by either memorySize or the image (or no more than 99999.9 if neither of these have been specified). [When VM type is Hyper-V] Reserved memory capacity. Specify a value that is no less than 0.1 and no more than the maximum value specified by either memorySize or the image (or no more than 99999.9 if neither of these have been specified). For physical servers, this will be ignored even if specified.
	Type	decimal
	Value	0.0 to 99999.9. [When VM type is VMware] 0.0 to 99999.9. [When VM type is Hyper-V] 0.1 to 99999.9.
[memoryShare]	Description	Memory allotment ratio. [When VM type is VMware] Memory Shares. [When VM type is Hyper-V] Memory Weight. For physical servers, this will be ignored even if specified.
	Type	int
	Value	0 to 1000000. [When VM type is VMware] 0 to 1000000. [When VM type is Hyper-V] 0 to 10000.
[macAddress]	Description	Address set resource name of the MAC address. This value can be specified for RHEL-Xen. When this value is omitted, the default value specified in the setup file will be used. For other than RHEL-Xen, this value will be ignored even if specified.
	Type	ASCII string
	Value	No more than 32 characters. However, linefeed codes and the following characters cannot be specified: < > & ' "
[priority]	Description	Priority startup levels when performing batch power supply controls. These values will be started up from small servers. When omitted, the value is set to 128.
	Type	int
	Value	1 to 256
[diskResourceId]	Description	Resource ID of the disk to be used as the system disk. This parameter can only be specified if creating an RHEL-KVM or OVM for SPARC server. However, even if the server is an RHEL-KVM server, this parameter cannot be specified if the storage location type for the image specified in diskImageId is "Virtual Disk".

Parameter name	Item	Item description
		This parameter can be specified when a storage pool is also specified, even on servers with RHEL-KVM. If you specify this parameter and a storage pool, then the storage pool must have the disk.
	Type	int
	Value	0 or 1

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<CreateLServerResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <lserverId>[Server ID]</lserverId>
</CreateLServerResponse>
```

<Elements>

Element name	Item	Item description
CreateLServerResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
lserverId	Description	Server ID
	Type	ASCII string
	Number of occurrences	0 or 1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<CreateLServerResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
```

```
    <responseMessage>PAPI00000 Processing was completed.</responseMessage>
    <responseStatus>SUCCESS</responseStatus>
    <lserverId>LSERVER00001</lserverId>
</CreateLServerResponse>
```

2.3.5 CreateNic (Add NIC to Server)

This API adds an NIC to a server.

This API is executed asynchronously. After the API is successfully executed, the status of the L-Platform changes to Reconfiguring (RECONFIG_ING) during the execution of the operation, and changes back to Operating Normally (NORMAL) when the operation is completed. When the status of an L-Platform is Reconfiguring, the L-Platform cannot be operated. Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

This API can only be executed when the server virtualization software on the server is VMware, Hyper-V, RHEL-KVM, or OVM for SPARC.
If the target server has snapshots, NIC addition cannot be done.
It cannot be used in the following cases:

- The target L-Platform has Solaris Zones servers not managed by BladeLogic.

- The target server is an OVM for SPARC server not managed by BladeLogic.

📝 Note

- When NIC is added, the automatic setting of Internet Protocol address on guest OS is not done.
  Log in guest OS after adding NIC, and set IP address displayed in detailed information of L-Server to guest OS manually.
  Confirm added NIC can be correctly communicated with the external instrument after IP address is set.
  When two or more NIC is added, it is recommended to add it one by one.

- If the target server is an OVM for SPARC server, only the management information for this product is added or deleted. The actual NIC of the VM guest is not added or deleted.
  Add or delete the actual NICs with the server virtualization software.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "CreateNic".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API

Parameter name	Item	Item description
	Type	ASCII string
	Value	No more than 32 characters
lplatformId	Description	ID of the L-Platform to which the network is to be added
	Type	ASCII string
	Value	No more than 32 characters
lserverId	Description	Server ID
	Type	ASCII string
	Value	No more than 32 characters
networkId	Description	Network ID connecting the added NIC
	Type	ASCII string
	Value	No more than 32 characters
[ipAddress]	Description	IP address assigned to the added NIC. Specifying an IP address does not automatically set the IP address to a guest OS.
	Type	ASCII string
	Value	None

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<CreateNicResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</CreateNicResponse>
```

<Elements>

Element name	Item	Item description
CreateNicResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned.

Element name	Item	Item description
		Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<CreateNicResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</CreateNicResponse>
```

2.3.6 CreateSnapshot (Takes a Snapshot)

This API creates a snapshot for a server.

When the server virtualization software is RHEL-KVM and the existing disk is in use on the target server, the snapshot cannot be collected.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "CreateSnapshot".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters
lplatformId	Description	L-Platform ID
	Type	ASCII string
	Value	No more than 32 characters
lserverId	Description	The ID of the server for which a snapshot is to be created
	Type	ASCII string
	Value	No more than 32 characters
comment	Description	A comment for the snapshot

Parameter name	Item	Item description
	Type	UTF-8 string
	Value	No more than 128 characters. However, linefeed codes and the following characters cannot be specified: % \ < > & ' "

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<CreateSnapshotResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</CreateSnapshotResponse>
```

<Elements>

Element name	Item	Item description
CreateSnapshotResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<CreateSnapshotResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</CreateSnapshotResponse>
```

2.3.7 DestroyLServer (Deletes Server)

This API removes a server.

This API is executed asynchronously. After the API is successfully executed, the status of the L-Platform changes to Reconfiguring (RECONFIG_ING) during the execution of the operation, and changes back to Operating Normally (NORMAL) when the operation is completed. When the status of an L-Platform is Reconfiguring, the L-Platform cannot be operated. Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

It cannot be used in the following cases:

- The target L-Platform has Solaris Zones servers not managed by BladeLogic.

- The target server is an OVM for SPARC server not managed by BladeLogic.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "DestroyLServer".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.
lserverId	Description	Server ID
	Type	ASCII string
	Value	No more than 32 characters.
[force]	Description	Flag indicating whether servers that are distribution targets for the server load balancer will be forcibly deleted.
	Type	ASCII string
	Value	Specify one of the following: - true: Forcibly deletes - false: Does not forcibly delete If omitted, "false" will be used.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<DestroyLServerResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</DestroyLServerResponse>
```

<Elements>

Element name	Item	Item description
DestroyLServerResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<DestroyLServerResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</DestroyLServerResponse>
```

2.3.8 DestroyNic (Delete Specified NIC from Server)

This API deletes a specified NIC from a server.

This API is executed asynchronously. After the API is successfully executed, the status of the L-Platform changes to Reconfiguring (RECONFIG_ING) during the execution of the operation, and changes back to Operating Normally (NORMAL) when the operation is completed. When the status of an L-Platform is Reconfiguring, the L-Platform cannot be operated. Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

This API can only be executed when the server virtualization software on the server is VMware, Hyper-V, RHEL-KVM, or OVM for SPARC.

If the target server has snapshots, NIC deletion cannot be done.
It cannot be used in the following cases:

- The target L-Platform has Solaris Zones servers not managed by BladeLogic.

- The target server is an OVM for SPARC server not managed by BladeLogic.

🛈 Note

If a NIC being deleted has been configured on the guest OS, the deletion on the [L-Platforms] tab does not delete the configuration from the guest OS.
Delete the configuration of the NIC from the guest OS beforehand.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "DestroyNic".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters
lplatformId	Description	ID of the L-Platform deleting the network
	Type	ASCII string
	Value	No more than 32 characters
lserverId	Description	Server ID
	Type	ASCII string
	Value	No more than 32 characters
nicNo	Description	NIC Number
	Type	ASCII string
	Value	Specify the number of the NIC to be deleted. The value must be 1 or higher.
[force]	Description	Flag indicating whether NICs that are distribution targets for the server load balancer will be forcibly deleted.
	Type	ASCII string

Parameter name	Item	Item description
	Value	Specify one of the following: - true: Forcibly deletes - false: Does not forcibly delete If omitted, "false" will be used.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<DestroyNicResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</DestroyNicResponse>
```

<Elements>

Element name	Item	Item description
DestroyNicResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<DestroyNicResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</DestroyNicResponse>
```

2.3.9 DestroyPatch (Deletes Patch Information)

This API deletes patch information for a server.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "DestroyPatch".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters
lplatformId	Description	L-Platform ID
	Type	ASCII string
	Value	No more than 32 characters
lserverId	Description	Server ID
	Type	ASCII string
	Value	No more than 32 characters
softwareId	Description	Software ID
	Type	ASCII string
	Value	No more than 32 characters
patchId	Description	The ID of the patch to be deleted
	Type	ASCII string
	Value	No more than 32 characters

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<DestroyPatchResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</DestroyPatchResponse>
```

<Elements>

Element name	Item	Item description
DestroyPatchResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<DestroyPatchResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</DestroyPatchResponse>
```

2.3.10 DestroySnapshot (Deletes Snapshots)

This API deletes snapshots.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English

Parameter name	Item	Item description
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "DestroySnapshot".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters
lplatformId	Description	L-Platform ID
	Type	ASCII string
	Value	No more than 32 characters
snapshotId	Description	The ID of the snapshot to be deleted
	Type	ASCII string
	Value	No more than 32 characters

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<DestroySnapshotResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</DestroySnapshotResponse>
```

<Elements>

Element name	Item	Item description
DestroySnapshotResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned.

Element name	Item	Item description
		Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<DestroySnapshotResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</DestroySnapshotResponse>
```

2.3.11 ExpandSysvolSize (Increase the Size of System Volume)

This API increases the size of system volume.

This API is executed asynchronously. After the API is successfully executed, the status of the L-Platform changes to Reconfiguring (RECONFIG_ING) during the execution of the operation, and changes back to Operating Normally (NORMAL) when the operation is completed. When the status of an L-Platform is Reconfiguring, the L-Platform cannot be operated. Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

This API can only be used if the server virtualization software on the server is VMware or Hyper-V.
If the target server has snapshots, the system disk size cannot be increased.
It cannot be used in the following cases:

- The target L-Platform has Solaris Zones servers not managed by BladeLogic.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "DestroyNic".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters
lplatformId	Description	ID of the L-Platform deleting the network

Parameter name	Item	Item description
	Type	ASCII string
	Value	No more than 32 characters
lserverId	Description	Server ID
	Type	ASCII string
	Value	No more than 32 characters
sysvolSize	Description	Size of the system volume
	Type	decimal
	Value	Specify a value larger than the current disk size in GB. For VMware, specify a value between 0.1 and 99999.9 (up to 1 decimal can be specified). For Hyper-V servers, specify a value between 1 and 99999 (only integer values can be specified).

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<ExpandSysvolSizeResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</ExpandSysvolSizeResponse>
```

<Elements>

Element name	Item	Item description
ExpandSysvolSizeResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<ExpandSysvolSizeResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</ExpandSysvolSizeResponse>
```

2.3.12 GetLServerAttributes (Gets the Attributes of a Server)

This API gets attribute information for a server.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "GetLServerAttributes".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.
lserverId	Description	Server ID
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<GetLServerAttributesResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <lserver>
    <creator>[Tenant name of the person who created the virtual machine]</creator>
    <diskimageId>[Disk image ID]</diskimageId>
    <diskimageName>[Disk image name]</diskimageName>
    <hostName>[Host name of server]</hostName>
    <resource>
      <name>[L-Server name]</name>
    </resource>
    <disks>
      <disk>
        <attachedTo>[ID of the virtual machine to which the additional disk has been attached]</
attachedTo>
        <creator>[Tenant name of the person who created the additional disk]</creator>
        <size>[Size of the additional disk]</size>
        <diskId>[ID of the additional disk]</diskId>
        <diskName>[Name of the additional disk]</diskName>
        <resourceName>[Name of the Existing disk]</resourceName>
      </disk>
    </disks>
    <lserverId>[Server ID]</lserverId>
    <lserverName>[Server name]</lserverName>
    <serverType>[Server type]</serverType>
  </lserver>
</GetLServerAttributesResponse>
```

<Elements>

Element name	Item	Item description
GetLServerAttributesResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
lserver	Description	Set of server information.
	Type	None
	Number of occurrences	0 or 1
creator	Description	The tenant name of the person who created the server.
	Type	ASCII string

Element name	Item	Item description
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
diskimageId	Description	Disk image ID.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
diskimageName	Description	Disk image name.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
hostName	Description	The host name of the server.
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
resource	Description	Set of information displayed in the [Resources] tab.
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
name	Description	L-Server name
	Type	ASCII string
	Number of occurrences	As many as there are resource elements (0 or 1 element for each resource element).
disks	Description	Element holding the response information for the additional disk information.
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
disk	Description	Set of additional disk information.
	Type	None
	Number of occurrences	As many as there are disks elements (0 or more elements for each disks element).
attachedTo	Description	The ID of the virtual machine to which the additional disk has been attached.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
creator	Description	The tenant name of the person who created the server.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
size	Description	The size of the additional disk. Specify this value in GB.
	Type	decimal

Element name	Item	Item description
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
diskId	Description	The ID of the additional disk.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
diskName	Description	The name of the additional disk.
	Type	UTF-8 string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
resourceName	Description	The name of the existing disk. This element will be displayed for existing disks only.
	Type	UTF-8 string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
lserverId	Description	Server ID
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
lserverName	Description	Server name
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
serverType	Description	Server type.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<GetLServerAttributesResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <lserver>
    <creator>papi</creator>
    <diskimageId>image-141cafdcb24</diskimageId>
    <diskimageName>RHEL62X8664</diskimageName>
    <hostName>VTAFRIXZ530001</hostName>
    <resource>
      <name>papi-TAFRIXZ53-S-0001</name>
    </resource>
    <disks>
      <disk>
        <attachedTo>papi-TAFRIXZ53-S-0001</attachedTo>
        <creator>papi</creator>
        <size>0.2</size>
        <diskId>papi-TAFRIXZ53-D-0001</diskId>
        <diskName>DISK0</diskName>
```

```
        </disk>
      </disks>
      <lserverId>papi-TAFRIXZ53-S-0001</lserverId>
      <lserverName>PRE_IMG</lserverName>
      <serverType>sample_medium</serverType>
    </lserver>
  </GetLServerAttributesResponse>
```

2.3.13 GetLServerConfiguration (Gets Configuration Information for a Server)

This API gets configuration information for a server.

Note

For physical servers, the number of CPUs, operating frequency, and memory size displayed are those specified by the user during the L-Platform subscription or when importing a server as part of an L-Platform reconfiguration.
For physical servers imported to the L-Platform, only the values at the time these servers are imported will be displayed.
For this reason, even if the number of CPUs, operating frequency, and memory size are changed, the displayed values will not change.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "GetLServerConfiguration".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.
lserverId	Description	Server ID
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GetLServerConfigurationResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <lserver>
    <cpuPerf>[CPU performance]</cpuPerf>
    <cpuReserve>[CPU reserve performance]</cpuReserve>
    <cpuShare>[CPU allotment ratio]</cpuShare>
    <creator>[Tenant name of the person who created the server]</creator>
    <diskimageId>[Disk image ID]</diskimageId>
    <diskimageName>[Disk image name]</diskimageName>
    <hostName>[Host name of server]</hostName>
    <image>
      <cpuBit>[Number of bits for the CPU]</cpuBit>
      <id>[Image ID]</id>
      <maxCpuPerf>[Maximum CPU performance]</maxCpuPerf>
      <maxDiskSize>[Maximum amount of disk space]</maxDiskSize>
      <maxMemorySize>[Maximum amount of memory]</maxMemorySize>
      <maxSysvolSize>[Maximum capacity of system disk]</maxSysvolSize>
      <numOfMaxCpu>[Maximum number of CPUs]</numOfMaxCpu>
      <numOfMaxDisk>[Maximum number of disks]</numOfMaxDisk>
      <numOfMaxNic>[Maximum number of NICs]</numOfMaxNic>
      <patches>
        <patch>
          <componentName>[Component name]</componentName>
          <description>[Patch description]</description>
          <patchId>[Patch ID]</patchId>
          <softwareId>[Software ID]</softwareId>
        </patch>
      </patches>
      <serverApplication>[Server usage]</serverApplication>
      <serverCategory>[Server type]</serverCategory>
      <softwares>
        <software>
          <category>[Software category]</category>
          <license>[License information]</license>
          <name>[Software name]</name>
          <officialVersion>[Official version]</officialVersion>
          <patch>[Patch version number]</patch>
          <softwareId>[Software ID]</softwareId>
          <support>[Support]</support>
          <version>[Version]</version>
        </software>
      </softwares>
      <storeType>[Storage location type]</storeType>
      <sysvolSize>[Size of the system volume]</sysvolSize>
      <vdi>[Use of VDI coordination]</vdi>
      <vmType>[Virtual machine type]</vmType>
    </image>
    <lserverType>[Server type]</lserverType>
    <maxDefinableMemorySize>[Maximum amount of memory]</maxDefinableMemorySize>
    <memoryHotPlug>[Memory hot plug]</memoryHotPlug>
    <memoryReserve>[Reserved memory capacity]</memoryReserve>
```

```xml
    <memoryShare>[Memory allotment ratio]</memoryShare>
    <memorySize>[Memory size]</memorySize>
    <numOfCpu>[Number of CPUs]</numOfCpu>
    <pool>[Resource name of the VM pool]</pool>
    <priority>[Power priority]</priority>
    <resource>
      <name>[L-Server name]</name>
    </resource>
    <snapshotExist>[Flag to indicate whether a snapshot is on the server]</snapshotExist>
    <sparePool>[The resource name of the spare pool]</sparePool>
    <storagePool>[Resource name of the storage pool]</storagePool>
    <sysvolSize>[The size of the system volume]</sysvolSize>
    <disks>
      <disk>
        <attachedTo>[ID of the virtual machine to which the additional disk has been attached]</
attachedTo>
        <creator>[Tenant name of the person who created the additional disk]</creator>
        <size>[Size of the additional disk]</size>
        <storagePool>[The resource name of the storage pool]</storagePool>
        <diskId>[ID of the additional disk]</diskId>
        <diskName>[Name of the additional disk]</diskName>
        <resourceName>[Name of the Existing disk]</resourceName>
        <shared>[The shared disk attribute]</shared>
      </disk>
    </disks>
    <vmType>[Virtual machine type]</vmType>
    <nics>
      <nic>
        <management>[Control NIC]</management>
        <networkId>[Network ID]</networkId>
        <nicgroupIndex>[NIC group index to which the server belongs]</nicgroupIndex>
        <nicNo>[NIC serial number]</nicNo>
        <privateIp>[IP addresses]</privateIp>
      </nic>
    </nics>
    <nicgroups>
      <nicgroup>
        <management>[Control NIC]</management>
        <networkId>[Network ID]</networkId>
        <nicgroupIndex>[NIC group index to which the server belongs]</nicgroupIndex>
        <privateIp>[IP address]</privateIp>
      </nicgroup>
    </nicgroups>
    <containerPoolManaged>[Flag to indicate whether it is managed by this product]</
containerPoolManaged>
    <lserverId>[Server ID]</lserverId>
    <lserverName>[Server name]</lserverName>
    <requestCpuPerf>[Requested CPU performance]</requestCpuPerf>
    <requestMemorySize>[Requested memory capacity]</requestMemorySize>
    <requestNumOfCpu>[Requested number of CPUs]</requestNumOfCpu>
    <serverType>[Server type]</serverType>
    <task>
      <progress>[Task progress]</progress>
      <status>[Task status]</status>
      <taskId>[Task ID]</taskId>
      <type>[Task type]</type>
    </task>
    <vdi>[Use of VDI coordination]</vdi>
    <vdiConnectInfo>[VDI management server connection information]</vdiConnectInfo>
    <vdiPool>[VDI pool]</vdiPool>
    <vdiUser>[VDI user name]</vdiUser>
  </lserver>
</GetLServerConfigurationResponse>
```

<Elements>

Element name	Item	Item description
GetLServerConfigurationResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
lserver	Description	Set of server information.
	Type	None
	Number of occurrences	0 or 1
cpuPerf	Description	CPU performance.
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
cpuReserve	Description	Reserved CPU performance.
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
cpuShare	Description	CPU allotment ratio.
	Type	int
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
creator	Description	The tenant name of the person who created the server.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
diskimageId	Description	Disk image ID.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
diskimageName	Description	Disk image name.
	Type	ASCII string

Element name	Item	Item description
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
hostName	Description	Host name of server
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
image	Description	Set of image information.
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
cpuBit	Description	Number of bits for the CPU. One of the following values: - "32": 32 bit CPU. - "64": 64 bit CPU.
	Type	ASCII string
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
id	Description	Image ID.
	Type	ASCII string
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
maxCpuPerf	Description	Maximum CPU performance.
	Type	decimal
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
maxDiskSize	Description	Maximum amount of disk space.
	Type	decimal
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
maxMemorySize	Description	Maximum amount of memory.
	Type	decimal
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
maxSysvolSize	Description	Maximum capacity of system disk.
	Type	decimal
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
numOfMaxCpu	Description	Maximum number of CPUs.
	Type	int
	Number of occurrences	As many as there are image elements (0 or 1 element for each software element).
numOfMaxDisk	Description	Maximum number of disks.
	Type	int

Element name	Item	Item description
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
numOfMaxNic	Description	Maximum number of NICs.
	Type	int
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
patches	Description	Element holding the response information for the patch information.
	Type	None
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
patch	Description	Set of patch information.
	Type	None
	Number of occurrences	As many as there are patches elements (0 or more elements for each patches element).
componentName	Description	Component name.
	Type	UTF-8 string
	Number of occurrences	As many as there are patch elements (0 or 1 element for each patch element).
description	Description	Patch description.
	Type	UTF-8 string
	Number of occurrences	As many as there are patch elements (0 or 1 element for each patch element).
patchId	Description	Patch ID.
	Type	ASCII string
	Number of occurrences	As many as there are patch elements (0 or 1 element for each patch element).
softwareId	Description	Software ID.
	Type	ASCII string
	Number of occurrences	As many as there are patch elements (0 or 1 element for each patch element).
serverApplication	Description	Server usage. One of the following values: - "WEB": Web server. - "AP": Application server. - "DB": Database server. - "FILE": File server.
	Type	ASCII string
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
serverCategory	Description	Server type. The value of this item is "GENERAL", indicating a generic server.
	Type	ASCII string
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).

Element name	Item	Item description
softwares	Description	Element holding the response information for the software information.
	Type	None
	Number of occurrences	As many as there are image elements (0 or 1 element for each image element).
software	Description	Set of software information.
	Type	None
	Number of occurrences	As many as there are softwares elements (0 or more elements for each softwares element).
category	Description	Software category. One of the following values: - "OS": Operating system. - "MIDDLE": Middleware. - "APP": Application.
	Type	ASCII string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
license	Description	License.
	Type	UTF-8 string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
name	Description	Software name.
	Type	UTF-8 string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
officialVersion	Description	Official version
	Type	UTF-8 string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
patch	Description	Patch version.
	Type	UTF-8 string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
softwareId	Description	Software ID.
	Type	ASCII string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
support	Description	Support.
	Type	UTF-8 string
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
version	Description	Version number.
	Type	UTF-8 string

Element name	Item	Item description
	Number of occurrences	As many as there are software elements (0 or 1 element for each software element).
storeType	Description	Storage location type. This is one of the following: - "Virtual Disk": Virtual storage - "Raw Disk": Existing disk
	Type	ASCII string
	Number of occurrences	As many as there are image elements (0 or more elements for each image element).
sysvolSize	Description	The size of the system volume.
	Type	decimal
	Number of occurrences	As many as there are image elements (0 or more elements for each image element).
vdi	Description	Specifies whether to use VDI coordination. - true: Use VDI coordination When the VDI coordination is not used, this tag is not displayed.
	Type	ASCII string
	Number of occurrences	As many as there are image elements (0 or more elements for each image element).
vmType	Description	Virtual machine type. Refer to "15.2.2 Virtual L-Server Templates" in the "Reference Guide (Command/XML) CE" for details.
	Type	ASCII string
	Number of occurrences	As many as there are image elements (0 or more elements for each image element).
lserverType	Description	Server type. One of the following: - "Physical": Physical server. - "Virtual": Virtual server.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
maxDefinableMemorySize	Description	Maximum amount of memory. It indicates the maximum amount of memory that can be allocated for memory hot plug-enabled KVM servers.
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
memoryHotPlug	Description	Memory hot plug. If it is enabled on a KVM server, the memory size can be changed without powering off. - true: enabled - false: disabled When memory hot plug is enabled, the maximum amount of memory that can be changed is limited to the least of the following:

Element name	Item	Item description
		MAXDefinableMemorySize "Maximum memory" of the image information Physical memory size of the VM host
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
memoryReserve	Description	Reserved memory capacity.
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
memoryShare	Description	Memory allotment ratio.
	Type	int
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
memorySize	Description	Amount of memory.
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
numOfCpu	Description	Number of CPUs.
	Type	int
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
pool	Description	The resource name of the VM pool.
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
priority	Description	Priority startup levels are set to between 1 and 256 when performing batch power supply controls. These values will be started up from small servers. However, servers with a startup priority level of '0' are not eligible for batch power supply operations.
	Type	int
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
resource	Description	Set of information displayed in the [Resources] tab.
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
name	Description	L-Server name
	Type	ASCII string
	Number of occurrences	As many as there are resource elements (0 or 1 element for each resource element).
snapshotExist	Description	Flag indicating whether a snapshot exists on the server. This is one of the following:

Element name	Item	Item description
		- true: Snapshot exists - false: Snapshot does not exist
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
sparePool	Description	The resource name of the spare pool.
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
storagePool	Description	The resource name of the storage pool.
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
sysvolSize	Description	The size of the system volume.
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
disks	Description	Element holding the response information for the additional disk information.
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
disk	Description	Set of additional disk information.
	Type	None
	Number of occurrences	As many as there are disks elements (0 or more elements for each lserver element).
attachedTo	Description	The ID of the virtual machine to which the additional disk has been attached.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
creator	Description	The tenant name of the person who created the additional disk.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
size	Description	The size of the additional disk. Specify this value in GB.
	Type	decimal
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
storagePool	Description	The resource name of the storage pool.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).

Element name	Item	Item description
diskId	Description	The ID of the additional disk.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
diskName	Description	The name of the additional disk.
	Type	UTF-8 string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
resourceName	Description	The name of the existing disk. This element will be displayed for existing disks only.
	Type	UTF-8 string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
shared	Description	The shared disk attribute
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
vmType	Description	Virtual machine type. Refer to "15.2.2 Virtual L-Server Templates" in the "Reference Guide (Command/XML) CE" for details.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
nics	Description	Element holding the response information for the NIC information
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
nic	Description	Set of NIC information.
	Type	None
	Number of occurrences	As many as there are nics elements (0 or more elements for each nics element).
management	Description	Control NIC. The value is "1" if the NIC is a control NIC. Otherwise, the value is "0".
	Type	int
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
networkId	Description	Network ID.
	Type	ASCII string
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
nicgroupIndex	Description	The NIC group index to which the server belongs. This will not be displayed if the server is not included in the NIC group.

Element name	Item	Item description
	Type	int
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
nicNo	Description	NIC serial number.
	Type	int
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
privateIp	Description	IP address.
	Type	ASCII string
	Number of occurrences	As many as there are nic elements (0 or 1 element for each nic element).
nicgroups	Description	Element holding the response information for the NIC information.
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
nicgroup	Description	Set of NIC information.
	Type	None
	Number of occurrences	As many as there are nicgroups elements (0 or more elements for each nicgroups element).
management	Description	Control NIC. The value is "1" if the NIC is a control NIC. Otherwise, the value is "0".
	Type	int
	Number of occurrences	As many as there are nicgroup elements (0 or 1 element for each nicgroup element).
networkId	Description	Network ID.
	Type	ASCII string
	Number of occurrences	As many as there are nicgroup elements (0 or 1 element for each nicgroup element).
nicgroupIndex	Description	NIC group index.
	Type	int
	Number of occurrences	As many as there are nicgroup elements (0 or 1 element for each nicgroup element).
privateIp	Description	IP address.
	Type	ASCII string
	Number of occurrences	As many as there are nicgroup elements (0 or 1 element for each nicgroup element).
containerPoolManaged	Description	Flag indicating whether the container resource pool where the server operates is managed by this product. This is one of the following: - true: Managed - false: Not managed
	Type	ASCII string

Element name	Item	Item description
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
lserverId	Description	Server ID
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
lserverName	Description	Server name
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
requestCpuPerf	Description	Requested CPU performance.
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
requestMemorySize	Description	Requested memory capacity.
	Type	decimal
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
requestNumOfCpu	Description	Requested number of CPUs.
	Type	int
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
serverType	Description	Server type.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
task	Description	Set of information about the latest backup or restoration task.
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
progress	Description	Task progress rate. The units are "%". The value is a number between 0 and 100.
	Type	int
	Number of occurrences	As many as there are task elements (0 or 1 element for each task element).
status	Description	Task status. One of the following values: "completed": The task has completed. - "running": The task is running. - "waiting": The task is on standby. - "error": An error has occurred with the task.
	Type	ASCII string
	Number of occurrences	As many as there are task elements (0 or 1 element for each task element).
taskId	Description	Task ID.

Element name	Item	Item description
	Type	ASCII string
	Number of occurrences	As many as there are task elements (0 or 1 element for each task element).
type	Description	Task type. One of the following values: - "BACKUP": Backup. - "RESTORE": Restore. - "CLONING": Collect the cloning image. - "REMOVE": Remove.
	Type	ASCII string
	Number of occurrences	As many as there are task elements (0 or 1 element for each task element).
vdi	Description	Specifies whether to use VDI coordination. - true: Use VDI coordination When the VDI coordination is not used, this tag is not displayed.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
vdiConnectInfo	Description	VDI management server connection information
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
vdiPool	Description	VDI pool
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
vdiUser	Description	VDI user name
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<GetLServerConfigurationResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <lserver>
    <cpuPerf>1.4</cpuPerf>
    <cpuReserve>0.8</cpuReserve>
    <cpuShare>800</cpuShare>
    <creator>tenantD</creator>
    <diskimageId>image-13f2b6162a3</diskimageId>
    <diskimageName>g-vm-0002</diskimageName>
    <hostName>VHY43YHSWA0001</hostName>
    <image>
      <cpuBit>64</cpuBit>
      <id>image-13f2b6162a3</id>
      <maxCpuPerf>1.4</maxCpuPerf>
```

```xml
      <maxDiskSize>500.0</maxDiskSize>
      <maxMemorySize>2.0</maxMemorySize>
      <maxSysvolSize>70.0</maxSysvolSize>
      <numOfMaxCpu>1</numOfMaxCpu>
      <numOfMaxDisk>5</numOfMaxDisk>
      <numOfMaxNic>1</numOfMaxNic>
      <serverApplication>WEB</serverApplication>
      <serverCategory>GENERAL</serverCategory>
      <softwares>
        <software>
          <category>OS</category>
          <license/>
          <name>Windows Server 2008 R2 Enterprise</name>
          <officialVersion/>
          <patch/>
          <softwareId>SW00000007</softwareId>
          <support/>
          <version>6.1</version>
        </software>
      </softwares>
      <sysvolSize>70.0</sysvolSize>
      <vmType>VMware</vmType>
  </image>
  <lserverType>Virtual</lserverType>
  <memoryReserve>1.0</memoryReserve>
  <memoryShare>2000</memoryShare>
  <memorySize>2.0</memorySize>
  <numOfCpu>1</numOfCpu>
  <pool>/VMPool</pool>
  <priority>128</priority>
  <resource>
    <name>tenantD-HY43YHSWA-S-0001</name>
  </resource>
  <snapshotExist>false</snapshotExist>
  <storagePool>/StoragePool</storagePool>
  <sysvolSize>70.0</sysvolSize>
  <disks>
    <disk>
      <attachedTo>tenantD-HY43YHSWA-S-0001</attachedTo>
      <creator>tenantD</creator>
      <size>400.0</size>
      <storagePool>/StoragePool</storagePool>
      <diskId>tenantD-HY43YHSWA-D-0001</diskId>
      <diskName>DISK0</diskName>
    </disk>
    <disk>
      <attachedTo>tenantD-HY43YHSWA-S-0001</attachedTo>
      <creator>tenantD</creator>
      <size>500.0</size>
      <storagePool>/StoragePool</storagePool>
      <diskId>tenantD-HY43YHSWA-D-0002</diskId>
      <diskName>DISK1</diskName>
    </disk>
  </disks>
  <vmType>VMware</vmType>
  <nics>
    <nic>
      <management>1</management>
      <networkId>HY43YHSWA-N-360r#FWS#</networkId>
      <nicNo>1</nicNo>
      <privateIp>192.168.21.60</privateIp>
    </nic>
  </nics>
```

```
        <lserverId>tenantD-HY43YHSWA-S-0001</lserverId>
        <lserverName>AP1</lserverName>
        <serverType>over_commit</serverType>
    </lserver>
</GetLServerConfigurationResponse>
```

2.3.14 GetLServerInitialPassword (Gets the Password for the Initial Administrator for the Operating System of a Server)

This API gets the initial password for the administrator for the operating system of a server.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "GetLServerInitialPassword".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.
lserverId	Description	Server ID
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<GetLServerInitialPasswordResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <initialPassword>[the initial password for the administrator for the operating system of a server]</
initialPassword>
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</GetLServerInitialPasswordResponse>
```

<Elements>

Element name	Item	Item description
GetLServerInitialPasswordResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
initialPassword	Description	The initial password for the administrator for the operating system of a server.
	Type	ASCII string
	Number of occurrences	0 or 1.
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<GetLServerInitialPasswordResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <initialPassword>init_pass</initialPassword>
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</GetLServerInitialPasswordResponse>
```

2.3.15 GetLServerStatus (Gets the Status of a Server)

This API gets status information for a server.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.

Parameter name	Item	Item description
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "GetLServerStatus".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID
	Type	ASCII string
	Value	No more than 32 characters.
lserverId	Description	Server ID
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<GetLServerStatusResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <lserverStatus>[Server status]</lserverStatus>
</GetLServerStatusResponse>
```

<Elements>

Element name	Item	Item description
GetLServerStatusResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1

Element name	Item	Item description
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
lserverStatus	Description	Server status. One of the following values: - "DEPLOYING": The server is being deployed. - "RUNNING": The server is running. - "STOPPING": The server is stopping. - "STOPPED": The server is stopped. - "STARTING": The server is starting. - "RESTORING": The server is being restored. - "BACKUP_ING": The servere is being backed up. - "ERROR": An error has occurred on the server. - "START_ERROR": An error has occurred when the server is starting. - "STOP_ERROR": An error has occurred when the server is stopping. - "CLONING": The image is collecting.
	Type	ASCII string
	Number of occurrences	0 or 1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<GetLServerStatusResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <lserverStatus>RUNNING</lserverStatus>
</GetLServerStatusResponse>
```

2.3.16 GetSnapshotHistory (Gets a History of Snapshots and Restorations)

This API gets a history of snapshots and restorations.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".

Parameter name	Item	Item description
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "GetSnapshotHistory".
userId	Description	The user ID of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters
lplatformId	Description	L-Platform ID
	Type	ASCII string
	Value	No more than 32 characters
lserverId	Description	The ID of the server for which a history of snapshots and restorations is to be obtained
	Type	ASCII string
	Value	No more than 32 characters

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<GetSnapshotHistoryResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <histories>
    <history>
      <action>[Action performed]</action>
      <endTime>[The time when the snapshot or restoration completed]</endTime>
      <progress>[Progress of the snapshot or restoration]</progress>
      <snapshotId>[Snapshot ID]</snapshotId>
      <startTime>[The time when the snapshot or restoration started]</startTime>
      <status>[Status of the snapshot or restoration]</status>
    </history>
  </histories>
</GetSnapshotHistoryResponse>
```

<Elements>

Element name	Item	Item description
GetSnapshotHistoryResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
histories	Description	Element holding the response information for the snapshot information
	Type	None
	Number of occurrences	0 or 1
history	Description	Set of snapshot information
	Type	None
	Number of occurrences	As many as there are histories elements (0 or more elements for each histories element).
action	Description	Action performed. One of the following values: - SNAPSHOT: Created a snapshot - RESTORE: Restored to a snapshot - CLONING: Collect the cloning image - REMOVE: Deleted a snapshot - EVENT_REMOVE: Automatically deleted a snapshot
	Type	ASCII string
	Number of occurrences	As many as there are history elements (0 or 1 element for each history element).
endTime	Description	The time when the snapshot or restoration completed
	Type	ASCII string
	Number of occurrences	As many as there are history elements (0 or 1 element for each history element).
progress	Description	Progress of the snapshot or restoration. This is a value between 0 and 100.
	Type	int
	Number of occurrences	As many as there are history elements (0 or 1 element for each history element).
snapshotId	Description	Snapshot ID
	Type	ASCII string
	Number of occurrences	As many as there are history elements (0 or 1 element for each history element).
startTime	Description	The time when the snapshot or restoration started.
	Type	ASCII string
	Number of occurrences	As many as there are history elements (0 or 1 element for each history element).
status	Description	Status of the snapshot or restoration. One of the following values: - "waiting": The snapshot or restoration is in a waiting state - "running": The snapshot or restoration is executing - "completed": The snapshot or restoration has completed - "error": An error has occurred with the snapshot or restoration
	Type	ASCII string
	Number of occurrences	As many as there are history elements (0 or 1 element for each history element).

Element name	Item	Item description
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GetSnapshotHistoryResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <histories>
    <history>
      <action>SNAPSHOT</action>
      <endTime>2013/10/19 19:47:09</endTime>
      <progress>100</progress>
      <snapshotId>rorv3-66_1752</snapshotId>
      <startTime>2013/10/19 19:46:32</startTime>
      <status>completed</status>
    </history>
    <history>
      <action>RESTORE</action>
      <endTime>2013/10/19 19:48:14</endTime>
      <progress>100</progress>
      <snapshotId>rorv3-66_1752</snapshotId>
      <startTime>2013/10/19 19:47:38</startTime>
      <status>completed</status>
    </history>
  </histories>
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</GetSnapshotHistoryResponse>
```

2.3.17 ListLServer (Gets a List of Servers in an L-Platform)

This API gets a list of server IDs within an L-Platform.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.

Parameter name	Item	Item description
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "ListLServer".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ListLServerResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <lservers>
    <lserver>
      <creator>[Tenant name of the person who created the server]</creator>
      <diskimageId>[Disk image ID]</diskimageId>
      <diskimageName>[Disk image name]</diskimageName>
      <lserverType>[Server type]</lserverType>
      <resource>
        <name>[L-Server name]</name>
      </resource>
      <snapshotExist>[Flag to indicate whether a snapshot is on the server]</snapshotExist>
      <disks>
        <disk>
          <attachedTo>[ID of the virtual machine to which the additional disk has been attached]</
attachedTo>
          <creator>[Tenant name of the person who created the additional disk]</creator>
          <resourceName>[Name of the Existing disk]</resourceName>
          <size>[Size of the additional disk]</size>
          <diskId>[ID of the additional disk]</diskId>
          <diskName>[Name of the additional disk]</diskName>
        </disk>
      </disks>
      <containerPoolManaged>[Flag to indicate whether it is managed by this product]</
containerPoolManaged>
      <lserverId>[Server ID]</lserverId>
      <lserverName>[Server name]</lserverName>
```

```
      <serverType>[Server type]</serverType>
    </lserver>
  </lservers>
</ListLServerResponse>
```

<Elements>

Element name	Item	Item description
ListLServerResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
lservers	Description	Element holding the response information for the server information.
	Type	None
	Number of occurrences	0 or 1
lserver	Description	Set of server information.
	Type	None
	Number of occurrences	As many as there are lservers elements (0 or more elements for each lservers element).
creator	Description	The tenant name of the person who created the server.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
diskimageId	Description	Disk image ID.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
diskimageName	Description	Disk image name.
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
lserverType	Description	Server type. One of the following: - "Physical": Physical server. - "Virtual": Virtual server.
	Type	ASCII string

Element name	Item	Item description
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
resource	Description	Set of information displayed in the [Resources] tab.
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
name	Description	L-Server name
	Type	ASCII string
	Number of occurrences	As many as there are resource elements (0 or 1 element for each resource element).
snapshotExist	Description	Flag indicating whether a snapshot exists on the server. This is one of the following: - true: Snapshot exists - false: Snapshot does not exist
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
disks	Description	Element holding the response information for the additional disk information.
	Type	None
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
disk	Description	Set of additional disk information.
	Type	None
	Number of occurrences	As many as there are disks elements (0 or more elements for each disks element).
attachedTo	Description	The ID of the virtual machine to which the additional disk has been attached.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
creator	Description	The tenant name of the person who created the additional disk.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
size	Description	The size of the additional disk. Specify this value in GB.
	Type	decimal
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
diskId	Description	The ID of the additional disk.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
diskName	Description	The name of the additional disk.
	Type	UTF-8 string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
resourceName	Description	Name of the Existing disk

Element name	Item	Item description
	Type	UTF-8 string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
containerPoolManaged	Description	Flag indicating whether the container resource pool where the server operates is managed by this product. This is one of the following: - true: Managed - false: Not managed
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
lserverId	Description	Server ID
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
lserverName	Description	Server name
	Type	UTF-8 string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).
serverType	Description	Server type
	Type	ASCII string
	Number of occurrences	As many as there are lserver elements (0 or 1 element for each lserver element).

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<ListLServerResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <lservers>
    <lserver>
      <creator>tenantD</creator>
      <diskimageId>image-13f2b6162a3</diskimageId>
      <diskimageName>g-vm-0002</diskimageName>
      <lserverType>Virtual</lserverType>
      <resource>
        <name>tenantD-HY43YHSWA-S-0001</name>
      </resource>
      <snapshotExist>false</snapshotExist>
      <disks>
        <disk>
          <attachedTo>tenantD-HY43YHSWA-S-0001</attachedTo>
          <creator>tenantD</creator>
          <size>400.0</size>
          <diskId>tenantD-HY43YHSWA-D-0001</diskId>
          <diskName>DISK0</diskName>
        </disk>
        <disk>
          <attachedTo>tenantD-HY43YHSWA-S-0001</attachedTo>
          <creator>tenantD</creator>
          <size>500.0</size>
          <diskId>tenantD-HY43YHSWA-D-0002</diskId>
          <diskName>DISK1</diskName>
```

```
        </disk>
      </disks>
      <lserverId>tenantD-HY43YHSWA-S-0001</lserverId>
      <lserverName>AP1</lserverName>
      <serverType>over_commit</serverType>
    </lserver>
    <lserver>
      <creator>tenantD</creator>
      <diskimageId>image-13bb0a794a0</diskimageId>
      <diskimageName>g-vm-0001</diskimageName>
      <lserverType>Virtual</lserverType>
      <resource>
        <name>tenantD-HY43YHSWA-S-0002</name>
      </resource>
      <snapshotExist>false</snapshotExist>
      <disks/>
      <lserverId>tenantD-HY43YHSWA-S-0002</lserverId>
      <lserverName>AP2</lserverName>
      <serverType>over_commit_large</serverType>
    </lserver>
    <lserver>
      <creator>tenantD</creator>
      <diskimageId>image-142128952ad</diskimageId>
      <diskimageName>g-physical-0002</diskimageName>
      <lserverType>Physical</lserverType>
      <resource>
        <name>tenantD-HY43YHSWA-S-0003</name>
      </resource>
      <snapshotExist>false</snapshotExist>
      <disks/>
      <lserverId>tenantD-HY43YHSWA-S-0003</lserverId>
      <lserverName>Physical-more-nic</lserverName>
      <serverType>Middle_Spec</serverType>
    </lserver>
  </lservers>
</ListLServerResponse>
```

2.3.18 ListSnapshot (Gets a List of Snapshots)

This API gets a list of snapshots.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed
	Type	ASCII string
	Value	Fixed. Specify "ListSnapshot".
userId	Description	The user ID of the user that executes the L-Platform API

Parameter name	Item	Item description
	Type	ASCII string
	Value	No more than 31 characters
orgId	Description	The tenant name of the user that executes the L-Platform API
	Type	ASCII string
	Value	No more than 32 characters
lplatformId	Description	L-Platform ID
	Type	ASCII string
	Value	No more than 32 characters
lserverId	Description	The ID of the server for which a list of snapshots is to be obtained
	Type	ASCII string
	Value	No more than 32 characters

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ListSnapshotResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
  <snapshots>
    <snapshot>
      <comment>[Snapshot comment]</comment>
      <snapshotId>[Snapshot ID]</snapshotId>
      <snapshotTime>[Date and time when a snapshot was created]</snapshotTime>
    </snapshot>
  </snapshots>
</ListSnapshotResponse>
```

<Elements>

Element name	Item	Item description
ListSnapshotResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned.

Element name	Item	Item description
		Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
snapshots	Description	Element holding the response information for the snapshot information
	Type	None
	Number of occurrences	0 or 1
snapshot	Description	Set of snapshot information
	Type	None
	Number of occurrences	As many as there are snapshots elements (0 or more elements for each snapshots element).
comment	Description	A comment for the snapshot
	Type	UTF-8 string
	Number of occurrences	As many as there are snapshot elements (0 or 1 element for each snapshot element).
snapshotId	Description	Snapshot ID
	Type	ASCII string
	Number of occurrences	As many as there are snapshot elements (0 or 1 element for each snapshot element).
snapshotTime	Description	Date and time when a snapshot was created
	Type	UTF-8 string
	Number of occurrences	As many as there are snapshot elements (0 or 1 element for each snapshot element).

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<ListSnapshotResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
  <snapshots>
    <snapshot>
      <comment>Comment</comment>
      <snapshotId>image000001</snapshotId>
      <snapshotTime>Nov 12, 2010 10:00:11 AM</snapshotTime>
    </snapshot>
    <snapshot>
      <comment>Comment</comment>
      <snapshotId>image000002</snapshotId>
      <snapshotTime> Nov 12, 2010 10:00:11 AM</snapshotTime>
    </snapshot>
  </snapshots>
</ListSnapshotResponse>
```

2.3.19 RestoreLServer (Restores a Server from a Snapshot)

This API restores a server to the status of a snapshot.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "RestoreLServer".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.
lserverId	Description	The ID of the server to be restored.
	Type	ASCII string
	Value	No more than 32 characters.
snapshotId	Description	The ID of the snapshot that is used to restore the server.
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<RestoreLServerResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</RestoreLServerResponse>
```

<Elements>

Element name	Item	Item description
RestoreLServerResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<RestoreLServerResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</RestoreLServerResponse>
```

2.3.20 StartLServer (Starts a Server)

This API starts the operating system in a server.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "StartLServer".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.

Parameter name	Item	Item description
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.
lserverId	Description	Server ID
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<StartLServerResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</StartLServerResponse>
```

<Elements>

Element name	Item	Item description
StartLServerResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<StartLServerResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
```

```
    <responseMessage>PAPI00000 Processing was completed.</responseMessage>
    <responseStatus>SUCCESS</responseStatus>
</StartLServerResponse>
```

2.3.21 StopLServer (Stops a Server)

This API stops the operating system in a server.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "StopLServer".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.
lserverId	Description	Server ID
	Type	ASCII string
	Value	No more than 32 characters.
[force]	Description	This parameter indicates whether to forcibly terminate the server.
	Type	ASCII string
	Value	Select one of the following values: - "true": Forcibly terminates the virtual machine. - "false": Does not forcibly terminate the virtual machine. If this parameter is omitted, the default value is "false".

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<StopLServerResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</StopLServerResponse>
```

<Elements>

Element name	Item	Item description
StopLServerResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<StopLServerResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</StopLServerResponse>
```

2.3.22 UpdateIPAddress (Updates a Server IP Address)

This API updates the IP address allocated to the server.

This API is executed asynchronously. After the API is successfully executed, the status of the L-Platform changes to Reconfiguring (RECONFIG_ING) during the execution of the operation, and changes back to Operating Normally (NORMAL) when the operation is completed. When the status of an L-Platform is Reconfiguring, the L-Platform cannot be operated. Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

It cannot be used in the following cases:

- The target L-Platform has Solaris Zones servers not managed by BladeLogic.

- The target server is an OVM for SPARC server not managed by BladeLogic.

- The target server is a physical server.

- The target NIC is the distribution target of an SLB.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "StopLServer".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.
lserverId	Description	Server ID
	Type	ASCII string
	Value	No more than 32 characters.
nicNo	Description	NIC serial number
	Type	int
	Value	1 or more. Specify the NIC serial number of the IP address to update.
ipAddress	Description	IP address
	Type	ASCII string
	Value	Specify the IP address after updating.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<UpdateIPAddressResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
```

```
    <responseStatus>[Status]</responseStatus>
</UpdateLServerConfigurationResponse>
```

<Elements>

Element name	Item	Item description
UpdateIPAddressResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<UpdateIPAddressResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</UpdateLServerConfigurationResponse>
```

2.3.23 UpdateLServerAttributes (Updates the Attributes of a Server)

This API updates the attributes of a server.

The attributes that can be updated are the server name and the host name. Either the server name or the host name must be specified. When "host-name-method=2(server name)", if only the server name is specified the host name will be changed to the same name as the server name. When the host name is specified, it will be changed to the specified name.

This API is executed asynchronously. After the API is successfully executed, the status of the L-Platform changes to Reconfiguring (RECONFIG_ING) during the execution of the operation, and changes back to Operating Normally (NORMAL) when the operation is completed. When the status of an L-Platform is Reconfiguring, the L-Platform cannot be operated. Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

It cannot be used in the following cases:

 - The target L-Platform has Solaris Zones servers not managed by BladeLogic.

 - The target server is an OVM for SPARC server not managed by BladeLogic.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.

Parameter name	Item	Item description
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "StopLServer".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.
lserverId	Description	Server ID
	Type	ASCII string
	Value	No more than 32 characters.
[lserverName]	Description	Server name
	Type	UTF-8 string
	Value	The number and types of characters that can be used for specification varies depending on the setting.
[hostName]	Description	Host name of the server
	Type	UTF-8 string
	Value	When the OS of the managed server is Windows, specify using up to 15 characters. For other OSs, specify using up to 63 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<UUpdateLServerAttributesResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</UpdateLServerConfigurationResponse>
```

\<Elements\>

Element name	Item	Item description
UpdateLServerAttributesResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<UpdateLServerAttributesResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</UpdateLServerConfigurationResponse>
```

2.3.24 UpdateLServerConfiguration (Changes the Performance of a Server)

This API changes the performance of a virtual server.

This API cannot be executed for a physical server.
Always specify any one of the following:

- cpuPerf

- numOfCpu

- cpuReserve

- cpuShare

- memorySize

- memoryReserve

- memoryShare

- serverType

- priority

This API is executed asynchronously. After the API is successfully executed, the status of the L-Platform changes to Reconfiguring (RECONFIG_ING) during the execution of the operation, and changes back to Operating Normally (NORMAL) when the operation is completed. When the status of an L-Platform is Reconfiguring, the L-Platform cannot be operated. Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

It cannot be used in the following cases:

- The target L-Platform has Solaris Zones servers not managed by BladeLogic.

- The target server is an OVM for SPARC server not managed by BladeLogic.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "UpdateLServerConfiguration".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID
	Type	ASCII string
	Value	No more than 32 characters.
lserverId	Description	Server ID
	Type	ASCII string
	Value	No more than 32 characters.
[cpuPerf]	Description	CPU performance. The value must be specified in GHz, up to one decimal place. Specify a value that is no less than 0.1 and no more than the maximum value specified by the image (or no more than 99999.9 if the maximum value has not been specified). This is ignored if OVM for SPARC is used.
	Type	decimal
	Value	0.1 to 99999.9.
[numOfCpu]	Description	Number of CPUs
	Type	int
	Value	1 or more. The maximum value is the value specified for each image (or the maximum value for the INT type if no value has been specified).
[cpuReserve]	Description	Reserved CPU performance. Specify a value that is no less than 0.0 and no more than the maximum value specified by either cpuPerf or the image (or no more than 99999.9 if neither of these has been specified).
	Type	decimal
	Value	0.0 to 99999.9.
[cpuShare]	Description	CPU allotment ratio.

Parameter name	Item	Item description
		[When VM type is VMware] CPU Shares. [When VM type is Hyper-V] CPU Weight.
	Type	int
	Value	1 to 1000000. [When VM type is VMware] 1 to 1000000 [When VM type is Hyper-V] 1 to 10000
[memorySize]	Description	Amount of memory. The value must be specified in GB, up to one decimal place. Specify a value that is no less than 0.1 and no more than the maximum value specified by the image (or no more than 99999.9 if the maximum value has not been specified).
	Type	decimal
	Value	0.1 to 99999.9.
[memoryReserve]	Description	Reserved memory capacity. Specify a value that is no less than 0.0 and no more than the maximum value specified by either memorySize or the image (or no more than 99999.9 if neither of these has been specified). [When VM type is VMware] Memory Reserved. Specify a value that is no less than 0.0 and no more than the maximum value specified by either memorySize or the image (or no more than 99999.9 if neither of these has been specified). [When VM type is Hyper-V] Startup RAM. Specify a value that is no less than 0.1 and no more than the maximum value specified by either memorySize or the image (or no more than 99999.9 if neither of these has been specified).
	Type	decimal
	Value	to 99999.9. [When VM type is VMware] 0.0 to 99999.9 [When VM type is Hyper-V] 0.1 to 99999.9
[memoryShare]	Description	Memory allotment ratio. [When VM type is VMware] Memory Shares. [When VM type is Hyper-V] Memory Weight.
	Type	int
	Value	0 to 1000000. [When VM type is VMware] 0 to 1000000. [When VM type is Hyper-V] 0 to 10000.
[serverType]	Description	Server type. The default performance values for the specified server type will be set. If this parameter is specified together with the CPU and memory performance parameters, the values for the CPU and memory performance will take precedence.
	Type	ASCII string
	Value	No more than 32 characters.
[priority]	Description	Priority startup levels when performing batch power supply controls. These values will be started up from small servers. However, servers with a startup priority level of '0' are not eligible for batch power supply operations.
	Type	int
	Value	0 to 256

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<UpdateLServerConfigurationResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message] </responseMessage>
  <responseStatus>[Status]</responseStatus>
</UpdateLServerConfigurationResponse>
```

<Elements>

Element name	Item	Item description
UpdateLServerConfigurationResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<UpdateLServerConfigurationResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</UpdateLServerConfigurationResponse>
```

2.4 Operations on Additional Disks

This section explains the L-Platform APIs relating to operations on additional disks.

2.4.1 AttachDisk (Attaches an Existing Disk)

This API attaches an existing extension disk to a server.

Use ListDisk to get a list of existing disks to attach.

This API can only be executed on physical servers, and on servers with RHEL-KVM or OVM for SPARC server virtualization software.

This API is executed asynchronously. After the API is successfully executed, the status of the L-Platform changes to Reconfiguring (RECONFIG_ING) during the execution of the operation, and changes back to Operating Normally (NORMAL) when the operation is completed. When the status of an L-Platform is Reconfiguring, the L-Platform cannot be operated. Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

It cannot be used in the following cases:

- The target L-Platform has Solaris Zones servers not managed by BladeLogic.

- The target server is an OVM for SPARC server not managed by BladeLogic.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "AttachDisk".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	System ID
	Type	ASCII string
	Value	No more than 32 characters.
lserverId	Description	Server ID
	Type	ASCII string
	Value	No more than 32 characters.
diskResourceId	Description	The resource ID of the existing disk to be attached.
	Type	ASCII string
	Value	No more than 32 characters.
diskName	Description	The name of the existing disk to be attached.
	Type	UTF-8 string
	Value	No more than 85 characters. The name of an existing disk need not be specified.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<AttachDiskResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <diskId>[Created disk ID]</diskId>
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</AttachDiskResponse>
```

<Elements>

Element name	Item	Item description
AttachDiskResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
diskId	Description	The ID of the disk created by this operation.
	Type	ASCII string
	Number of occurrences	0 or 1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<AttachDiskResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <diskId>tenantD-HY43YHSWA-D-0003</diskId>
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</AttachDiskResponse>
```

2.4.2 CreateDisk (Adds Additional Disks)

This API attaches a new extension disk to a server.

This API is executed asynchronously. After the API is successfully executed, the status of the L-Platform changes to Reconfiguring (RECONFIG_ING) during the execution of the operation, and changes back to Operating Normally (NORMAL) when the operation is completed. When the status of an L-Platform is Reconfiguring, the L-Platform cannot be operated. Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

It cannot be used in the following cases:

- When the server virtualization software is Solaris Zone or OVM for SPARC.

- The target L-Platform has Solaris Zones servers not managed by BladeLogic.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "CreateDisk".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.
lserverId	Description	Server ID.
	Type	ASCII string
	Value	No more than 32 characters.
diskSize	Description	Size of the extension disk to be attached. The size can be specified in GB, up to one decimal place.
	Type	decimal
	Value	From 0.1 to 99999.9
diskName	Description	The name of the extension disk to be attached.
	Type	UTF-8 string
	Value	No more than 85 characters.
[storagePool]	Description	The resource name of the storage pool for which the extension disk is to be created.
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<CreateDiskResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <diskId>[ID of the disk created]</diskId>
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</CreateDiskResponse>
```

<Elements>

Element name	Item	Item description
CreateDiskResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
diskId	Description	The ID of the disk that has been created as a result of this operation.
	Type	ASCII string
	Number of occurrences	0 or 1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<CreateDiskResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <diskId>VDISK000001</diskId>
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</CreateDiskResponse>
```

2.4.3 DestroyDisk (Deletes Additional Disks)

This API removes an extension disk from a server.

This API is executed asynchronously. After the API is successfully executed, the status of the L-Platform changes to Reconfiguring (RECONFIG_ING) during the execution of the operation, and changes back to Operating Normally (NORMAL) when the operation is completed. When the status of an L-Platform is Reconfiguring, the L-Platform cannot be operated. Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

It cannot be used in the following cases:

- The target L-Platform has Solaris Zones servers not managed by BladeLogic.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "DestroyDisk".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.
lserverId	Description	Server ID.
	Type	ASCII string
	Value	No more than 32 characters.
diskId	Description	The ID of the extension disk to be removed.
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<DestroyDiskResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
```

```
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</DestroyDiskResponse>
```

<Elements>

Element name	Item	Item description
DestroyDiskResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<DetachDiskResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</DetachDiskResponse>
```

2.4.4 DetachDisk (Detaches an Existing Disk)

This API detaches an extension disk that has been attached to a server.

This API is executed asynchronously. After the API is successfully executed, the status of the L-Platform changes to Reconfiguring (RECONFIG_ING) during the execution of the operation, and changes back to Operating Normally (NORMAL) when the operation is completed. When the status of an L-Platform is Reconfiguring, the L-Platform cannot be operated. Use GetLPlatformStatus to check the status of the L-Platform, and execute subsequent operations after waiting for the status to change to Operating Normally.

It cannot be used in the following cases:

 - The target L-Platform has Solaris Zones servers not managed by BladeLogic.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".

Parameter name	Item	Item description
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "DetachDisk".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.
lplatformId	Description	L-Platform ID.
	Type	ASCII string
	Value	No more than 32 characters.
lserverId	Description	Server ID.
	Type	ASCII string
	Value	No more than 32 characters.
diskId	Description	The ID of the extension disk to be detached.
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<DetachDiskResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>[Message]</responseMessage>
  <responseStatus>[Status]</responseStatus>
</DetachDiskResponse>
```

<Elements>

Element name	Item	Item description
DetachDiskResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1

Element name	Item	Item description
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<DetachDiskResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</DetachDiskResponse>
```

2.4.5 ListDisk (Gets a List of Existing Disks)

This API gets a list of existing disks.

Request parameters

Parameter name	Item	Item description
Version	Description	The version ID of the L-Platform API.
	Type	ASCII string
	Value	Fixed. Specify "2.0".
Locale	Description	The language for communicating with the L-Platform API. This parameter is specified using the language codes stipulated by ISO 639.
	Type	ASCII string
	Value	"en": English
Action	Description	The name of the L-Platform API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "ListDisk".
userId	Description	The user ID of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 31 characters.
orgId	Description	The tenant name of the user that executes the L-Platform API.
	Type	ASCII string
	Value	No more than 32 characters.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ListDiskResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com">
 <disks>
  <disk>
   <comment>[Existing disk comment]</comment>
   <diskResourceId>[The resource ID of the existing disk]</diskResourceId>
   <label>[Existing disk label]</label>
   <locked>[Flag indicating whether the disk resource is locked for DR]</locked>
   <resourceName>[Existing disk name]</resourceName>
   <size>[The size of the existing disk]</size>
   <status>[The status of the existing disk]</status>
   <storagePool>[The resource name of the storage pool]</storagePool>
  </disk>
 </disks>
 <responseMessage>[Message]</responseMessage>
 <responseStatus>[Status]</responseStatus>
</ListDiskResponse>
```

<Elements>

Element name	Item	Item description
ListDiskResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
disks	Description	Element holding the response information for the existing disk information.
	Type	None
	Number of occurrences	0 or 1
disk	Description	Set of existing disk information.
	Type	None
	Number of occurrences	As many as there are disks elements (0 or more elements for each disks element).
comment	Description	Existing disk comment.
	Type	UTF-8 string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
diskResourceId	Description	The resource ID of the existing disk.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
label	Description	Existing disk label.
	Type	UTF-8 string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).

Element name	Item	Item description
locked	Description	Resource locked status. Flag indicating whether the disk resource is locked for DR. - true: locked - false : unlocked The following limitation applies to locked disk resources: - An error occurs if a locked disk resource is attached using AttachDisk.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
resourceName	Description	Existing disk name.
	Type	UTF-8 string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
size	Description	The size of the existing disk. The units are "GB".
	Type	decimal
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
status	Description	The status of the existing disk.
	Type	ASCII string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
storagePool	Description	The resource name of the storage pool.
	Type	UTF-8 string
	Number of occurrences	As many as there are disk elements (0 or 1 element for each disk element).
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 15 Messages Starting with PAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<ListDiskResponse xmlns="http://cfmg.systemwalker.jp.fujitsu.com" >
  <disks>
    <disk>
      <comment>comment</comment>
      <diskResourceId>disk-1241</diskResourceId>
      <label>label</label>
      <locked>true</locked>
      <resourceName>small-disk</resourceName>
      <size>31.3</size>
```

```
      <status>normal</status>
      <storagePool>/StoragePool</storagePool>
    </disk>
  </disks>
  <responseMessage>PAPI00000 Processing was completed.</responseMessage>
  <responseStatus>SUCCESS</responseStatus>
</ListDiskResponse
```

Chapter 3 Reference for the Accounting API

This chapter explains references relating to the accounting API.

3.1 Resource Usage Operations

This section explains the accounting API as it relates to resource usage operations.

3.1.1 GetResourceUsage (Get Resource Usage)

Get the resource usage.

Request parameters

Parameter name	Item	Item description
[version]	Description	Version ID of the accounting API
	Type	ASCII string
	Value	Fixed. Specify "1.0". The latest version is used if this is omitted.
action	Description	The name of the accounting API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "GetResourceUsage".
[startDate]	Description	Start date for information to be retrieved
	Type	ASCII string
	Value	Specify using the format "*yyyy-MM-dd*". The start date cannot be any day after the endDate, the day the API is executed, or any date after this. If this is omitted, the day previous to when the API is executed will be used.
[endDate]	Description	End date for information to be retrieved
	Type	ASCII string
	Value	Specify using the format "*yyyy-MM-dd*". The end date cannot be any day before the startDate, the day the API is executed, or any date after this. If this is omitted, the day previous to when the API is executed will be used.
[lplatformId]	Description	Retrieve information for specified L-Platform
	Type	ASCII string
	Value	Specify in each parameter when specifying multiple. For example, lplatformId=aaa&lplatformId=bbb&... If an "lplatformId" is specified, a "tenantName" cannot be specified and vice versa.
[tenantName]	Description	Retrieve information for specified tenant
	Type	ASCII string
	Value	Specify in each parameter when specifying multiple. For example, tenantName=aaa&tenantName=bbb&... If an "lplatformId" is specified, a "tenantName" cannot be specified and vice versa.
[recordStatus]	Description	Status flag for the information about deployment and operation times to be retrieved
	Type	ASCII string

Parameter name	Item	Item description
	Value	Specify one of the following: Multiple can be specified. - NORMAL - WARNING - ERROR Only NORMAL and WARNING are retrieved if this is omitted.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<GetResourceUsageResponse>
 <responseMessage>[Message]</responseMessage>
 <responseStatus>[Status]</responseStatus>
 <version>[Version]</version>
 <systems date="[Date of the data to be retrieved]">
  <system id="[L-Platform ID]" name="[L-Platform name]" tenantName="[Tenant name of managed tenant]"
tenantDeleteDate="[Date when managed tenant was deleted]">
   <accountingItems>
    <accountingItem>
     <products>
      <product id="[Product ID]" category="[Category code]" resource="[Resource ID]"
usageUnit="[Accounting unit]" unitPrice="[Unit price]" unitNum="[Unit number]">
       <deploymentRecords>
        <record startTime="[Start time]" startEvent="[Start event]" endTime="[End time]"
endEvent="[End event]" recordStatus="[Status flag]"/>
       </deploymentRecords>
      </product>
     </products>
    </accountingItem>
   </accountingItems>
   <servers>
    <server id="[L-Server ID]" name="[L-Server name]">
     <disks>
     <disk id="[Disk ID]" name="[Disk name]">
     </disk>
     </disks>
     <images type="[Image information type]">
     <image id="[Image resource ID]">
     </image>
     </images>
     <networks type="[Network information type]">
     <network id="[L-Server ID] + -N- + [NIC index]">
       <accountingItems>
         <accountingItem>
           <products>
             <product id="[Product ID]" category="[Category code]" resource="[Resource ID]"
usageUnit="[Accounting unit]" unitPrice="[Unit price]" unitNum="[Unit number]">
               <deploymentRecords>
                 <record startTime="[Start time]" startEvent="[Start event]" endTime="[End time]"
endEvent="[End event]" recordStatus="[Status flag]"/>
               </deploymentRecords>
             </product>
           </products>
         </accountingItem>
```

```
            </accountingItems>
        </network>
      </networks>
    </server>
  </servers>
  </system>
 </systems>
</GetResourceUsageResponse>
```

<Elements>

Element name	Item	Item description
GetResourceUsageResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 5 Messages Starting with AAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix B List of Response Status Error Codes(Accounting APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
version	Description	The version of the API
	Type	ASCII string
	Number of occurrences	1
systems	Description	Element holding the response information for the list of L-Platform. date: Date of the data to be retrieved. Format is "*yyyy-MM-dd*".
	Type	None
	Number of occurrences	1 or more
system	Description	Set of additional L-Platform template information. - id: L-Platform ID - name: L-Platform name - tenantName: Tenant name of managed tenant - tenantDeleteDate: Date when managed tenant was deleted Format is "*yyyy-MM-dd*T*HH:mm:ss.SSSZ*". For example, use 2012-04-01T00:00:00.000+0900 for the 12:00 A.M. and 00.000 seconds on April 1, 2012 in timezone UTC+9:00. The return is empty if the tenant has not been deleted. This attribute cannot be omitted.
	Type	None
	Number of occurrences	As many as there are systems elements (0 or more elements for each systems element).
servers	Description	Element holding the response information for the list of L-Server

Element name	Item	Item description
	Type	ASCII string
	Number of occurrences	As many as there are system elements (0 or 1 element for each system element).
server	Description	Set of additional L-Server information. - id: L-Server ID - name: L-Server name
	Type	UTF-8 string
	Number of occurrences	As many as there are servers elements (0 or more elements for each servers element).
disks	Description	Element holding the response information for the list of disk.
	Type	ASCII string
	Number of occurrences	As many as there are server elements (0 or 1 element for each server element).
disk	Description	Set of additional disk information. - id: Disk ID - name: Disk name
	Type	ASCII string
	Number of occurrences	As many as there are disks elements (0 or more elements for each disks element).
images	Description	Element holding the response information for the list of image resources. - type: Image information type Possible values: - snapshot: snapshot
	Type	ASCII string
	Number of occurrences	As many as there are server elements (0 or 1 elements for each server element).
image	Description	Set of image resource information. - id: Image resource ID
	Type	ASCII string
	Number of occurrences	As many as there are images elements (0 or more elements for each images element).
networks	Description	Element holding the response information for the network information. - type: Network information type Possible values: - nic: NIC
	Type	ASCII string
	Number of occurrences	As many as there are server elements (0 or more elements for each server element).
network	Description	Set of network information - id: [L-Server ID] + -N- + [NIC index (*)] * Note: Formatted as 4-digit integer Example: If L-Server ID is "Tenant1-IYHPD30VJ-S-0001" and NIC index is "1", id will be "Tenant1-IYHPD30VJ-S-0001-N-0001".

Element name	Item	Item description
	Type	ASCII string
	Number of occurrences	As many as there are networks elements (0 or more elements for each networks element).
accountingItems	Description	Element holding the response information for the list of accounting information
	Type	ASCII string
	Number of occurrences	As many as there are system, server, disk, image, and network elements (0 or more elements for each element).
accountingItem	Description	Set of additional list of accounting information
	Type	ASCII string
	Number of occurrences	As many as there are accountingItems elements (1 or more elements for each accountingItems element).
products	Description	Element holding the response information for the list of product information
	Type	ASCII string
	Number of occurrences	As many as there are accountingItem elements (0 or 1 element for each accountingItem element).
product	Description	Set of product information - id: Product ID (*1) - category: Category code (*1) - resource: Resource ID (*1) - usageUnit: Accounting unit (*1) - unitPrice: Unit price (*1) - unitNum: Unit number (number of pieces, frequency, size, etc.) (* 2) * 1: Values taken are based on the use of a product master. If products are not registered, the attributes are not omitted, but rather the return is empty. * 2: Performance values for each product are returned. - template: 1 (fixed) - vm: 1 (fixed) - pm: 1 (fixed) - cpu: Number of CPUs - cpu_clock: CPU frequency - memory: Memory size - disk: Disk size - sys_disk: Disk size - snapshot: Disk size - nic: 1 (fixed)
	Type	ASCII string
	Number of occurrences	As many as there are products elements (0 or more elements for each products element).
deploymentRecords	Description	Set of deployed times
	Type	ASCII string
	Number of occurrences	As many as there are product elements (0 or 1 element for each product element).
operationRecords	Description	Set of operation times

Element name	Item	Item description
	Type	ASCII string
	Number of occurrences	As many as there are product elements (0 or 1 element for each product element).
record	Description	Information about deployment and operation times. · startTime: Start time. Format is "*HH:mm:ss.SSSZ*". For example, use 01:05:00.000+0900 for 01:05 A.M. and 00.000 seconds in timezone UTC+9:00. · startEvent: Start event (*1) · endTime: End time. Format is "*HH:mm:ss.SSSZ*". For example, use 01:05:00.000+0900 for 01:05 A.M. and 00.000 seconds in timezone UTC+9:00. · endEvent: End event (*1) · recordStatus: Status flag. This will be one of the following: - NORMAL - WARNING - ERROR *1: Refer to "3.1.1.1 List of Events" for details.
	Type	ASCII string
	Number of occurrences	As many as there are deploymentRecords or operationRecords elements (0 or more elements for each operationRecords element).

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GetResourceUsageResponse>
 <responseMessage>PAPI00000 Process completed..</responseMessage>
 <responseStatus>SUCCESS</responseStatus>
 <version>1.0</version>
 <systems date="2012-01-01">
  <system id="Tenant1-IYHPD30VJ" name="lplatform001" tenantName="Tenant1" tenantDeleteDate=""
ownerUserId="tenant_user_001">
   <accountingItems>
    <accountingItem>
     <products>
      <product id="PID-TMP-001" category="template" resource="template-135562b98d2" usageUnit="month"
unitPrice="1000.000" unitNum="1">
       <deploymentRecords>
        <record startTime="00:00:00.000+0900" startEvent="PERIOD" endTime="23:59:59.999+0900"
endEvent="END" recordStatus="NORMAL"/>
       </deploymentRecords>
      </product>
     </products>
    </accountingItem>
   </accountingItems>
   <servers>
    <server id="Tenant1-IYHPD30VJ-S-0001" name="server01">
     <accountingItems>
      <accountingItem>
       <products>
        <product id="PID-VIM-001" category="vm" resource="/VMHostPool" usageUnit="month"
unitPrice="800.000" unitNum="1">
         <deploymentRecords>
          <record startTime="00:00:00.000+0900" startEvent="PERIOD" endTime="23:59:59.999+0900"
endEvent="END" recordStatus="NORMAL"/>
         </deploymentRecords>
```

```xml
        </product>
       </products>
      </accountingItem>
      <accountingItem>
       <products>
        <product id="PID-CPU-001" category="cpu" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.150" unitNum="2">
         <deploymentRecords>
          <record startTime="00:00:00.000+0900" startEvent="PERIOD" endTime="23:59:59.999+0900"
endEvent="END" recordStatus="NORMAL"/>
         </deploymentRecords>
         <operationRecords>
          <record startTime="00:00:00.000+0900" startEvent="PERIOD_RUNNING"
endTime="10:29:59.999+0900" endEvent="STOP" recordStatus="NORMAL"/>
         </operationRecords>
        </product>
        <product id="PID-CLK-001" category="cpu_clock" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.100" unitNum="10">
        <deploymentRecords>
          <record startTime="00:00:00.000+0900" startEvent="PERIOD" endTime="23:59:59.999+0900"
endEvent="END" recordStatus="NORMAL"/>
         </deploymentRecords>
         <operationRecords>
          <record startTime="00:00:00.000+0900" startEvent="PERIOD_RUNNING"
endTime="10:29:59.999+0900" endEvent="STOP" recordStatus="NORMAL"/>
         </operationRecords>
        </product>
       </products>
      </accountingItem>
      <accountingItem>
       <products>
        <product id="PID-MEM-001" category="memory" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.100" unitNum="40">
         <deploymentRecords>
          <record startTime="00:00:00.000+0900" startEvent="PERIOD" endTime="23:59:59.999+0900"
endEvent="END" recordStatus="NORMAL"/>
         </deploymentRecords>
         <operationRecords>
          <record startTime="00:00:00.000+0900" startEvent="PERIOD_RUNNING"
endTime="02:29:59.999+0900" endEvent="CHANGE_PRICE" recordStatus="NORMAL"/>
         </operationRecords>
        </product>
       </products>
      </accountingItem>
      <accountingItem>
       <products>
        <product id="PID-MEM-001" category="memory" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.150" unitNum="40">
         <deploymentRecords>
          <record startTime="00:00:00.000+0900" startEvent="PERIOD" endTime="23:59:59.999+0900"
endEvent="END" recordStatus="NORMAL"/>
         </deploymentRecords>
         <operationRecords>
         <record startTime="02:30:00.000+0900" startEvent="CHANGE_PRICE" endTime="10:29:59.999+0900"
endEvent="STOP" recordStatus="NORMAL"/>
         </operationRecords>
        </product>
       </products>
      </accountingItem>
      <accountingItem>
       <products>
        <product id="PID-SYS-001" category="sys_disk" resource="/StoragePool" usageUnit="month"
unitPrice="1.000" unitNum="200">
```

```xml
        <deploymentRecords>
         <record startTime="00:00:00.000+0900" startEvent="PERIOD" endTime="23:59:59.999+0900"
endEvent="END" recordStatus="NORMAL"/>
        </deploymentRecords>
       </product>
      </products>
     </accountingItem>
    </accountingItems>
    <disks>
     <disk id="Tenant1-IYHPD30VJ-D-0002" name="DISK01">
      <accountingItems>
       <accountingItem>
        <products>
         <product id="PID-DSK-001" category="disk" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="200">
          <deploymentRecords>
           <record startTime="00:00:00.000+0900" startEvent="PERIOD" endTime="23:59:59.999+0900"
endEvent="END" recordStatus="NORMAL"/>
          </deploymentRecords>
         </product>
        </products>
       </accountingItem>
      </accountingItems>
     </disk>
     <disk id="Tenant1-IYHPD30VJ-D-0002" name="DISK02">
      <accountingItems>
       <accountingItem>
        <products>
         <product id="PID-DSK-002" category="disk" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="300">
          <deploymentRecords>
           <record startTime="00:00:00.000+0900" startEvent="PERIOD" endTime="23:59:59.999+0900"
endEvent="END" recordStatus="NORMAL"/>
          </deploymentRecords>
         </product>
        </products>
       </accountingItem>
      </accountingItems>
     </disk>
    </disks>
    <images type="snapshot">
     <image id="Tenant1-IYHPD30VJ-SS-0001">
      <accountingItems>
       <accountingItem>
        <products>
         <product id="PID-SS-001" category="snapshot" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="300">
          <deploymentRecords>
           <record startTime="00:00:00.000+0900" startEvent="PERIOD" endTime="23:59:59.999+0900"
endEvent="END" recordStatus="NORMAL"/>
          </deploymentRecords>
         </product>
        </products>
       </accountingItem>
      </accountingItems>
     </image>
    </images>
    <networks type="nic">
     <network id="Tenant1-IYHPD30VJ-S-0001-N-0001">
      <accountingItems>
       <accountingItem>
        <products>
         <product id="PID-NIC-001" category="nic" resource="network_resource_1" usageUnit="month"
```

```
unitPrice="1.000" unitNum="1">
          <deploymentRecords>
           <record startTime="00:00:00.000+0900" startEvent="PERIOD" endTime="23:59:59.999+0900"
endEvent="END" recordStatus="NORMAL"/>
          </deploymentRecords>
        </product>
       </products>
      </accoutingItem>
     </accountingItems>
    </network>
    <network id=" Tenant1-IYHPD30VJ-S-0001-N-0002">
     <accountingItems>
      <accountingItem>
       <products>
        <product id="PID-NIC-001" category="nic" resource="network_resource_1" usageUnit="month"
unitPrice="1.000" unitNum="1">
          <deploymentRecords>
           <record startTime="00:00:00.000+0900" startEvent="PERIOD" endTime="23:59:59.999+0900"
endEvent="END" recordStatus="NORMAL"/>
          </deploymentRecords>
        </product>
       </products>
      </accoutingItem>
     </accountingItems>
    </network>
   </networks>
  </server>
 </servers>
 </system>
 </systems>
</GetResourceUsageResponse>
```

3.1.1.1 List of Events

No.	Event name	Deployed time		Operation time		Event summary
		Start	End	Start	End	
1	ADD	YES	-	-	-	Add
2	DELETE	-	YES	-	-	Delete
3	START	-	-	YES	-	Start
4	STOP	-	-	YES	YES	Stopped
5	CHANGE_PRICE	YES	YES	YES	YES	Unit price change in product master
6	CHANGE_NUM	YES	YES	YES	YES	Change in number of CPS, memory capacity, etc.
7	CHANGE_TENANT	YES	YES	-	-	L-Platform transfer
8	CHANGE_OWNER	YES	YES	YES	YES	Change in L-Platform owner
9	PERIOD	YES	- (*)	YES	- (*)	Periodic log
10	BEGIN	YES	-	YES	-	Start of day (Output at 0:00:00.000 if there is no PERIOD)
11	END	-	YES	-	YES	End of day (Output every day at 23:59:59.999)
12	UNKNOWN_ADD	-	YES	-	-	If ADD-ADD-DELETE, then this becomes ADD-UNKNOWN_ADD

No.	Event name	Generated events				Event summary
		Deployed time		Operation time		
		Start	End	Start	End	
13	UNKNOWN_DELETE	-	YES	-	-	If ADD-DELETE-DELETE, then this becomes UNKNOWN_DELETE-DELETE
14	UNKNOWN_START	-	-	-	YES	If START-START-STOP, then this becomes START-UNKNOWN_START
15	UNKNOWN_STOP	-	-	YES	-	If DELETE-STOP, then this becomes UNKNOWN_STOP-STOP
16	UNKNOWN_CHANGE	YES	-	-	-	If DELETE-CHANGE, then this becomes UNKNOWN_CHANGE-CHANGE
17	UNKNOWN_PERIOD	YES	-	YES	-	If STOP-PERIOD(RUNNNING), then this becomes UNKNOWN_PERIOD-PERIOD

* Note: This value is "YES" when combineRecord=false

3.2 Usage Point Operations

This section explains the accounting API as it relates to usage point operations.

3.2.1 GetUsagePoint (Get Usage Point)

Get the usage point.

Request parameters

Parameter name	Item	Item description
[version]	Description	Version ID of the accounting API
	Type	ASCII string
	Value	Fixed. Specify "1.0". The latest version is used if this is omitted.
action	Description	The name of the accounting API to be executed
	Type	ASCII string
	Value	Fixed. Specify "GetUsagePoint".
[startDate]	Description	Start date for information to be retrieved
	Type	ASCII string
	Value	Specify using the format "*yyyy-MM-dd*". The start date cannot be any day after the endDate, the day the API is executed, or any date after this. If this is omitted, the day previous to when the API is executed will be used.
[endDate]	Description	End date for information to be retrieved
	Type	ASCII string
	Value	Specify using the format "*yyyy-MM-dd*". The end date cannot be any day before the startDate, the day the API is executed, or any date after this. If this is omitted, the day previous to when the API is executed will be used.
[sum]	Description	Option to determine whether to output the retrieved information for each day, or to sum.
	Type	ASCII string

Parameter name	Item	Item description
	Value	One of the following can be specified: - true : Output summed value - false: Output for each day If nothing was specified, the setting will be considered to be "false".
[lplatformId]	Description	Retrieve information for specified L-Platform
	Type	ASCII string
	Value	Specify in each parameter when specifying multiple. For example, lplatformId=aaa&lplatformId=bbb&... If an "lplatformId" is specified, a "tenantName" cannot be specified and vice versa.
[tenantName]	Description	Retrieve information for specified tenant.
	Type	ASCII string
	Value	Specify in each parameter when specifying multiple. For example, tenantName=aaa&tenantName=bbb&... If an "lplatformId" is specified, a "tenantName" cannot be specified and vice versa.
[recordStatus]	Description	Status flag for the information about deployment and operation times to be retrieved
	Type	ASCII string
	Value	Specify one of the following: Multiple can be specified. - NORMAL - WARNING - ERROR Only NORMAL and WARNING are retrieved if this is omitted.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<GetUsagePointResponse>
 <responseMessage>[Message]</responseMessage>
 <responseStatus>[Status]</responseStatus>
 <version>[Version]</version>
 <startDate>[Start date for reference information]</startDate>
 <endDate>[End date for reference information]</endDate>
 <systems date="[Date of the data to be retrieved]">
  <system id="[L-Platform ID]" name="[L-Platform name]" tenantName="[ Tenant name of managed tenant]"
tenantDeleteDate="[Date when managed tenant was deleted]">
   <accountingItems>
    <accountingItem>
     <products>
      <product id="[Product ID]" category="[Category code]" resource="[Resource ID]"
usageUnit="[Accounting unit]" unitPrice="[Unit price]" unitNum="[Unit number]">
       <usagePoint>[Usage point]</usagePoint>
       <usagePointUnit>[Unit of usage point]</usagePointUnit>
      </product>
     </products>
    </accountingItem>
   </accountingItems>
   <servers>
```

```
    <server id="[L-Server ID]" name="[L-Server name]">
     <disks>
      <disk id="[Disk ID]" name="[Disk name]">
      </disk>
     </disks>
     <images type="[Image information type]">
      <image id="[Image resource ID]">
      </image>
     </images>
     <networks type="[Network information type]">
      <network>
       <accountingItems>
        <accountingItem>
         <products>
          <product id="[Product ID]" category="[Category code]" resource="[Resource ID]"
usageUnit="[Accounting unit]" unitPrice="[Unit price]" unitNum="[Unit number]">
           <usagePoint>[Usage point]</usagePoint>
           <usagePointUnit>[Unit of usage point]</usagePointUnit>
          </product>
         </products>
        </accountingItem>
       </accountingItems>
      </network>
     </networks>
    </server>
   </servers>
  </system>
 </systems>
</GetUsagePointResponse>
```

\<Elements\>

Element name	Item	Item description
GetUsagePointResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 5 Messages Starting with AAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix B List of Response Status Error Codes(Accounting APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
version	Description	The version of the API.
	Type	ASCII string
	Number of occurrences	1
startDate	Description	Start date for reference information
	Type	ASCII string

Element name	Item	Item description
	Number of occurrences	1
endDate	Description	End date for reference information
	Type	ASCII string
	Number of occurrences	1
systems	Description	Element holding the response information for the list of L-Platform. date: Date of the data to be retrieved. Format is "*yyyy-MM-dd*". If "Sum=true" is specified for the parameter, the attribute is none.
	Type	None
	Number of occurrences	1 or more
system	Description	Set of additional L-Platform template information. - id: L-Platform ID - name: L-Platform name - tenantName: Tenant name of managed tenant - tenantDeleteDate: Date when managed tenant was deleted. Format is "*yyyy-MM-dd*T*HH:mm:ss.SSSZ*". For example, use 2012-04-01T00:00:00.000+0900 for the 12:00 A.M. and 00.000 seconds on April 1, 2012 in timezone UTC+9:00. The return is empty if the tenant has not been deleted. This attribute cannot be omitted.
	Type	None
	Number of occurrences	As many as there are systems elements (0 or more elements for each systems element).
servers	Description	Element holding the response information for the list of L-Server
	Type	UTF-8 string
	Number of occurrences	As many as there are system elements (0 or 1 element for each system element).
server	Description	Set of additional L-Server information. - id: L-Server ID - name: L-Server name
	Type	ASCII string
	Number of occurrences	As many as there are servers elements (0 or more elements for each servers element).
disks	Description	Element holding the response information for the list of disk.
	Type	ASCII string
	Number of occurrences	As many as there are server elements (0 or 1 elements for each server element).
disk	Description	Set of additional disk information. - id: Disk ID - name: Disk name
	Type	ASCII string
	Number of occurrences	As many as there are disks elements (0 or more elements for each disks element).
images	Description	Element holding the response information for the list of image resources. type: Image information type

Element name	Item	Item description
		Possible values: - snapshot: snapshot
	Type	ASCII string
	Number of occurrences	As many as there are server elements (0 or 1 elements for each server element).
image	Description	Set of image resource information. - id: Image resource ID
	Type	ASCII string
	Number of occurrences	As many as there are images elements (0 or more elements for each images element).
networks	Description	Element holding the response information for the network information. - type : Network information type Possible values: - nic: NIC
	Type	string ASCII
	Number of occurrences	As many as there are server elements (0 or more elements for each server element).
network	Description	Set of network information
	Type	string ASCII
	Number of occurrences	As many as there are networks elements (0 or more elements for each networks element).
accountingItems	Description	Element holding the response information for the list of accounting information
	Type	ASCII string
	Number of occurrences	As many as there are system, server, disk, image, and network elements (0 or more elements for each element).
accountingItem	Description	Set of additional list of accounting information
	Type	ASCII string
	Number of occurrences	As many as there are accountingItems elements (1 or more elements for each accountingItems element).
products	Description	Element holding the response information for the list of product information
	Type	ASCII string
	Number of occurrences	As many as there are accountingItem elements (0 or 1 element for each accountingItem element).
product	Description	Set of product information - id: Product ID (*1) - category: Category code (*1) - resource: Resource ID (*1) - usageUnit: Accounting unit (*1) - unitPrice: Unit price (*1) - unitNum: Unit number (number of pieces, frequency, size, etc.) (* 2) * 1: Values taken are based on the use of a product master. If products are not registered, the attributes are not omitted, but rather the return is empty.

Element name	Item	Item description
		* 2: Performance values for each product are returned. - template: 1 (fixed) - vm: 1 (fixed) - pm: 1 (fixed) - cpu: Number of CPUs - cpu_clock: CPU frequency - memory: Memory size - disk: Disk size - sys_disk: Disk size - snapshot: Disk size - nic: Number of NICs
	Type	ASCII string
	Number of occurrences	As many as there are products elements (0 or more elements for each products element).
usagePoint	Description	Usage point
	Type	decimal
	Number of occurrences	As many as there are product elements (1 elements for each product element).
usagePointUnit	Description	Unit of usage point. Specify one of the following: - minute (minutes) - hour (hours) - month (months)
	Type	ASCII string
	Number of occurrences	As many as there are product elements (1 elements for each product element).

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<GetUsagePointResponse>
<responseMessage>PAPI00000 Process completed..</responseMessage>
 <responseStatus>SUCCESS</responseStatus>
 <version>1.0</version>
<startDate>2012-01-01</startDate>
<endDate>2012-01-01</endDate>
 <systems date="2012-01-01">
  <system id="Tenant1-IYHPD30VJ" name="lplatform001" tenantName="Tenant1" tenantDeleteDate=""
ownerUserId="tenant_user_001">
   <accountingItems>
    <accountingItem>
     <products>
     <product id="PID-TMP-001" category="template" resource="template-135562b98d2" usageUnit="month"
unitPrice="1000.000" unitNum="1">
      <usagePoint>1440</usagePoint>
      <usagePointUnit>minute</usagePointUnit>
     </product>
    </products>
   </accountingItem>
  </accountingItems>
  <servers>
   <server id="Tenant1-IYHPD30VJ-S-0001" name="server01">
    <accountingItems>
     <accountingItem>
      <products>
       <product id="PID-VIM-001" category="vm" resource="/VMHostPool" usageUnit="month"
```

```xml
unitPrice="800.000" unitNum="1">
          <usagePoint>1440</usagePoint>
          <usagePointUnit>minute</usagePointUnit>
         </product>
        </products>
      </accountingItem>
      <accountingItem>
       <products>
        <product id="PID-CPU-001" category="cpu" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.150" unitNum="2">
          <usagePoint>630</usagePoint>
          <usagePointUnit>minute</usagePointUnit>
         </product>
        <product id="PID-CLK-001" category="cpu_clock" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.100" unitNum="10">
          <usagePoint>630</usagePoint>
          <usagePointUnit>minute</usagePointUnit>
         </product>
        </products>
      </accountingItem>
      <accountingItem>
       <products>
        <product id="PID-MEM-001" category="memory" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.100" unitNum="40">
          <usagePoint>150</usagePoint>
          <usagePointUnit>minute</usagePointUnit>
         </product>
        </products>
      </accountingItem>
      <accountingItem>
       <products>
        <product id="PID-MEM-001" category="memory" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.150" unitNum="40">
          <usagePoint>480</usagePoint>
          <usagePointUnit>minute</usagePointUnit>
         </product>
        </products>
      </accountingItem>
      <accountingItem>
       <products>
        <product id="PID-SYS-001" category="sys_disk" resource="/StoragePool" usageUnit="month"
unitPrice="10.000" unitNum="200">
          <usagePoint>1440</usagePoint>
          <usagePointUnit>minute</usagePointUnit>
         </product>
        </products>
      </accountingItem>
     </accountingItems>
     <disks>
      <disk id="Tenant1-IYHPD30VJ-D-0002" name="DISK01">
       <accountingItems>
        <accountingItem>
         <products>
          <product id="PID-DSK-001" category="disk" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="200">
            <usagePoint>1440</usagePoint>
            <usagePointUnit>minute</usagePointUnit>
           </product>
          </products>
        </accountingItem>
       </accountingItems>
      </disk>
      <disk id="Tenant1-IYHPD30VJ-D-0002" name="DISK02">
```

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```
            <accountingItems>
             <accountingItem>
              <products>
               <product id="PID-DSK-002" category="disk" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="300">
                <usagePoint>1440</usagePoint>
                <usagePointUnit>minute</usagePointUnit>
               </product>
              </products>
             </accountingItem>
            </accountingItems>
           </disk>
          </disks>
          <images type="snapshot">
           <image id="Tenant1-IYHPD30VJ-SS-0001">
            <accountingItems>
             <accountingItem>
              <products>
               <product id="PID-SS-001" category="snapshot" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="300">
                <usagePoint>1440</usagePoint>
                <usagePointUnit>minute</usagePointUnit>
               </product>
              </products>
             </accountingItem>
            </accountingItems>
           </image>
          </images>
          <networks type="nic">
           <network>
            <accountingItems>
             <accountingItem>
              <products>
               <product id="PID-NIC-001" category="nic" resource="network_resource_1" usageUnit="month"
unitPrice="1.000" unitNum="2">
                <usagePoint>1</usagePoint>
                <usagePointUnit>month</usagePointUnit>
               </product>
              </products>
             </accoutingItem>
            </accountingItems>
           </network>
          </networks>
         </server>
        </servers>
       </system>
      </systems>
</GetUsagePointResponse>
```

3.2.2 RegisterUsagePoint (Register Usage Point)

Register the usage point.

Request body

<Elements>

Element name	Item	Item description
Request	Description	Element holding the request information.
	Type	None

Element name	Item	Item description
	Number of occurrences	1
param	Description	Parameter. - name: Specify the parameter name(*), set the value into tag. * Note: list of parameter - action: Fixed. Specify "RegisterUsagePoint". - version: Specify version of API. If this parameter is omitted, the default value is the newest version.
	Type	ASCII string
	Number of occurrences	1 or more
Body	Description	Body.
	Type	None
	Number of occurrences	1
systems	Description	Element holding the information for the list of L-Platform. - date: Date of the data to be registered. Format is "*yyyy-MM-dd*".
	Type	None
	Number of occurrences	1 or more
system	Description	Set of additional L-Platform information. Specify one of the following: - id: L-Platform ID - name : L-Platform name - tenantName: Tenant name of managed tenant - tenantDeleteDate: Date when managed tenant was deleted. Format is "*yyyy-MM-dd*T*HH:mm:ss.SSSZ*". For example, use 2012-04-01T00:00:00.000+0900 for the 12:00 A.M. and 00.000 seconds on April 1, 2012 in timezone UTC+9:00. Specify empty if the tenant has not been deleted. This attribute cannot be omitted.
	Type	ASCII string
	Number of occurrences	As many as there are systems elements (0 or more elements for each systems element).
servers	Description	Element holding the information for the list of L-Server.
	Type	None
	Number of occurrences	As many as there are system elements (0 or 1 element for each system element).
server	Description	Set of L-Server information. Fixed. - id: L-Server ID - name: L-Server name
	Type	ASCII string
	Number of occurrences	As many as there are servers elements (0 or more elements for each servers element).
disks	Description	Element holding the information for the list of disk
	Type	None
	Number of occurrences	Fixed. As many as there are system elements (0 or 1 elements for each system element).
disk	Description	Set of disk information. Fixed. - id: Disk ID - name: Disk name
	Type	ASCII string
	Number of occurrences	As many as there are disks elements (0 or more elements for each disks element).

Element name	Item	Item description
images	Description	Element holding the response information for the list of image resources. type: Image information type Possible values: - snapshot: snapshot
	Type	ASCII string
	Number of occurrences	As many as there are server elements (0 or 1 elements for each server element).
image	Description	Set of image resource information - id: Image resource ID
	Type	ASCII string
	Number of occurrences	As many as there are images elements (0 or more elements for each images element).
networks	Description	Element holding the response information for the network information. - type: Network information type Possible values: - nic: NIC
	Type	string ASCII
	Number of occurrences	As many as there are server elements (0 or more elements for each server element).
network	Description	Set of network information
	Type	string ASCII
	Number of occurrences	As many as there are networks elements (0 or more elements for each networks element).
accountingItems	Description	Element holding the information for the list of accounting information.
	Type	None
	Number of occurrences	As many as there are system, server, disk, or network elements (0 or 1 elements for each element).
accountingItem	Description	Set of additional list of accounting information
	Type	None
	Number of occurrences	As many as there are accountingItems elements (1 or more elements for each accountingItems element).
products	Description	Element holding the information for the list of product information
	Type	None
	Number of occurrences	As many as there are accountingItem elements (0 or 1 element for each accountingItem element).
product	Description	Set of product information. Specify one of the following: - id: Product ID (*1) - category: Category code (*1) - resource: Resource ID (*1) - usageUnit: Accounting unit (*1) - unitPrice: Unit price (*1) - unitNum: Unit number (number of pieces, frequency, size, etc.) (* 2) * 1: Values taken are based on the use of a product master. If products are not registered, the attributes are not omitted, but rather the return is empty. * 2: Performance values for each product are returned. - template: 1 (fixed) - vm: 1 (fixed) - pm: 1 (fixed)

Element name	Item	Item description
		- cpu: Number of CPUs - cpu_clock: CPU frequency - memory: Memory size - disk: Disk size - sys_disk: Disk size - snapshot: Disk size - nic: Number of NICs
	Type	None
	Number of occurrences	As many as there are products elements (0 or more elements for each products element).
usagePoint	Description	Usage point.
	Type	decimal
	Number of occurrences	As many as there are products elements (1 element for each products element).
usagePointUnit	Description	Unit of usage point. Specify one of the following: - minute (minutes) - hour (hours) - month (months)
	Type	ASCII string
	Number of occurrences	As many as there are products elements (1 element for each products element).

Sample request body

```xml
<?xml version="1.0" encoding="UTF-8"?>
<Request>
<param name="action">RegisterUsagePoint</param>
<Body>
<systems date="2012-01-01">
  <system id="Tenant1-IYHPD30VJ" name="lplatform001" tenantName="Tenant1" tenantDeleteDate=""
ownerUserId="tenant_user_001">
    <accountingItems>
     <accountingItem>
      <products>
      <product id="PID-TMP-001" category="template" resource="template-135562b98d2" usageUnit="month"
unitPrice="1000.000" unitNum="1">
        <usagePoint>1440</usagePoint>
        <usagePointUnit>minute</usagePointUnit>
      </product>
      </products>
     </accountingItem>
    </accountingItems>
    <servers>
     <server id="Tenant1-IYHPD30VJ-S-0001" name="server01">
      <accountingItems>
       <accountingItem>
        <products>
         <product id="PID-VIM-001" category="vm" resource="/VMHostPool" usageUnit="month"
unitPrice="800.000" unitNum="1">
          <usagePoint>1440</usagePoint>
          <usagePointUnit>minute</usagePointUnit>
         </product>
        </products>
       </accountingItem>
       <accountingItem>
        <products>
         <product id="PID-CPU-001" category="cpu" resource="/VMHostPool" usageUnit="hour"
```

```xml
unitPrice="0.150" unitNum="2">
         <usagePoint>630</usagePoint>
         <usagePointUnit>minute</usagePointUnit>
        </product>
        <product id="PID-CLK-001" category="cpu_clock" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.100" unitNum="10">
         <usagePoint>630</usagePoint>
         <usagePointUnit>minute</usagePointUnit>
        </product>
       </products>
      </accountingItem>
      <accountingItem>
       <products>
        <product id="PID-MEM-001" category="memory" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.100" unitNum="40">
         <usagePoint>150</usagePoint>
         <usagePointUnit>minute</usagePointUnit>
        </product>
       </products>
      </accountingItem>
      <accountingItem>
       <products>
        <product id="PID-MEM-001" category="memory" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.150" unitNum="40">
         <usagePoint>480</usagePoint>
         <usagePointUnit>minute</usagePointUnit>
        </product>
       </products>
      </accountingItem>
      <accountingItem>
       <products>
        <product id="PID-SYS-001" category="sys_disk" resource="/StoragePool" usageUnit="month"
unitPrice="10.000" unitNum="200">
         <usagePoint>1440</usagePoint>
         <usagePointUnit>minute</usagePointUnit>
        </product>
       </products>
      </accountingItem>
     </accountingItems>
     <disks>
      <disk id="Tenant1-IYHPD30VJ-D-0002" name="DISK01">
       <accountingItems>
        <accountingItem>
         <products>
          <product id="PID-DSK-001" category="disk" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="200">
           <usagePoint>1440</usagePoint>
           <usagePointUnit>minute</usagePointUnit>
          </product>
         </products>
        </accountingItem>
       </accountingItems>
      </disk>
      <disk id="Tenant1-IYHPD30VJ-D-0002" name="DISK02">
       <accountingItems>
        <accountingItem>
         <products>
          <product id="PID-DSK-002" category="disk" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="300">
           <usagePoint>1440</usagePoint>
           <usagePointUnit>minute</usagePointUnit>
          </product>
         </products>
```

```
          </accountingItem>
        </accountingItems>
       </disk>
      </disks>
      <images type="snapshot">
       <image id="Tenant1-IYHPD30VJ-SS-0001">
        <accountingItems>
         <accountingItem>
          <products>
           <product id="PID-SS-001" category="snapshot" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="300">
            <usagePoint>1440</usagePoint>
            <usagePointUnit>minute</usagePointUnit>
           </product>
          </products>
         </accountingItem>
        </accountingItems>
       </image>
      </images>
      <networks type="nic">
       <network>
        <accountingItems>
         <accountingItem>
          <products>
           <product id="PID-NIC-001" category="nic" resource="network_resource_1" usageUnit="month"
unitPrice="1.000" unitNum="2">
            <usagePoint>1</usagePoint>
            <usagePointUnit>month</usagePointUnit>
           </product>
          </products>
         </accoutItem>
        </accountingItems>
       </network>
      </networks>
     </server>
    </servers>
   </system>
  </systems>
 </Body>
</Request>
```

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<RegisterUsagePointResponse>
 <responseMessage>[Message]</responseMessage>
 <responseStatus>[Status]</responseStatus>
 <version>[Version]</version>
</RegisterUsagePointResponse>
```

<Elements>

Element name	Item	Item description
RegisterUsagePointResponse	Description	Element holding the response information
	Type	None

Element name	Item	Item description
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 5 Messages Starting with AAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix B List of Response Status Error Codes(Accounting APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
version	Description	The version ID of the API
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<RegisterUsagePointResponse>
 <responseMessage>PAPI00000 Process completed.</responseMessage>
 <responseStatus>SUCCESS</responseStatus>
 <version>1.0</version>
</RegisterUsagePointResponse>
```

3.3 Daily Usage Charge Operations

This section explains the accounting API as it relates to daily usage charge operations.

3.3.1 GetDailyCharge (Get Daily Usage Charges)

Get the daily usage charges.

Request parameters

Parameter name	Item	Item description
[version]	Description	Version ID of the accounting API
	Type	ASCII string
	Value	Fixed. Specify "1.0". The latest version is used if this is omitted.
action	Description	The name of the accounting API to be executed
	Type	ASCII string
	Value	Fixed. Specify "GetUsagePoint".
[startDate]	Description	Start date for information to be retrieved
	Type	ASCII string
	Value	Specify using the format "*yyyy-MM-dd* ". The start date cannot be any day after the endDate, the day the API is executed, or any date

Parameter name	Item	Item description
		after this. If this is omitted, the day previous to when the API is executed will be used.
[endDate]	Description	End date for information to be retrieved
	Type	ASCII string
	Value	Specify using the format "*yyyy-MM-dd*". The end date cannot be any day before the startDate, the day the API is executed, or any date after this. If this is omitted, the day previous to when the API is executed will be used.
[sum]	Description	Option to determine whether to output the retrieved information for each day, or to sum.
	Type	ASCII string
	Value	One of the following can be specified: - true: Output summed value - false: Output for each day If nothing was specified, the setting will be considered to be "false".
[lplatformId]	Description	Retrieve information for specified L-Platform
	Type	ASCII string
	Value	Specify in each parameter when specifying multiple. For example, lplatformId=aaa&lplatformId=bbb&... If an "lplatformId" is specified, a "tenantName" cannot be specified and vice versa.
[tenantName]	Description	Retrieve information for specified tenant.
	Type	ASCII string
	Value	Specify in each parameter when specifying multiple. For example, tenantName=aaa&tenantName=bbb&... If an "lplatformId" is specified, a "tenantName" cannot be specified and vice versa.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<GetDailyChargeResponse>
 <responseMessage>[Message]</responseMessage>
 <responseStatus>[Status]</responseStatus>
 <version>[Version]</version>
 <startDate>[Start date for reference information]</startDate>
 <endDate>[End date for reference information]</endDate>
 <systems date="[Date when get the data]">
  <system id="[L-Platform ID]" name="[L-Platform name]" tenantName="[Tenant name of managed tenant]"
tenantDeleteDate="[Date when managed tenant was deleted]">
   <accountingItems>
    <accountingItem>
     <subtotalCharge>[Subtotal of daily usage charges]</subtotalCharge>
     <products>
      <product id="[Product ID]" category="[Category code]" resource="[Resource ID]"
usageUnit="[Accounting unit]" unitPrice="[Unit price]" unitNum="[Unitnumber]">
       <usagePoint>[Usage point]</usagePoint>
       <usagePointUnit>[Unit of usage point]</usagePointUnit>
```

```
      <usageCharge>[Daily usage charges]</usageCharge>
     </product>
    </products>
   </accountingItem>
  </accountingItems>
  <servers>
   <server id="[L-Server ID]" name="[L-Server name]">
    <disks>
     <disk id="[Disk ID]" name="[Disk name]">
     </disk>
    </disks>
    <images type="[Image information type]">
     <image id="[Image resource ID]">
     </image>
    </images>
    <networks type="[Network information type]">
     <network>
      <accountingItems>
       <accountingItem>
        <subtotalCharge>[Subtotal of daily usage charges]</subtotalCharge>
        <products>
         <product id="[Product ID]" category="[Category code]" resource="[Resource ID]"
usageUnit="[Accounting unit]" unitPrice="[Unit price]" unitNum="[Unitnumber]">
          <usagePoint>[Usage point]</usagePoint>
          <usagePointUnit>[Unit of usage point]</usagePointUnit>
          <usageCharge>[Daily usage charges]</usageCharge>
         </product>
        </products>
       </accountingItem>
      </accountingItems>
     </network>
    </networks>
   </server>
  </servers>
 </system>
 </systems>
</GetDailyChargeResponse>
```

<Elements>

Element name	Item	Item description
GetDailyChargeResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 5 Messages Starting with AAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1

Element name	Item	Item description
version	Description	The version of the API
	Type	ASCII string
	Number of occurrences	1
startDate	Description	Start date for reference information
	Type	ASCII string
	Number of occurrences	1
endDate	Description	End date for reference information
	Type	ASCII string
	Number of occurrences	1
systems	Description	Element holding the response information for the list of L-Platform. date: Date of the data to be retrieved. Format is "*yyyy-MM-dd*". If "sum=true" is specified for the parameter, the attribute is none.
	Type	None
	Number of occurrences	1 or more
system	Description	Set of additional L-Platform template information. - id: L-Platform ID - name: L-Platform name - tenantName: Tenant name of managed tenant - tenantDeleteDate: Date when managed tenant was deleted. Format is "*yyyy-MM-dd*T*HH:mm:ss.SSSZ*". For example, use 2012-04-01T00:00:00.000+0900 for the 12:00 A.M. and 00.000 seconds on April 1, 2012 in timezone UTC+9:00. The return is empty if the tenant has not been deleted. This attribute cannot be omitted.
	Type	None
	Number of occurrences	As many as there are syetems elements (0 or more elements for each syetems element).
servers	Description	Element holding the response information for the list of L-Server
	Type	ASCII string
	Number of occurrences	As many as there are syetem elements (0 or 1 element for each syetem element).
server	Description	Set of additional L-Server information. - id: L-Server ID - name: L-Server name
	Type	UTF-8 string
	Number of occurrences	As many as there are servers elements (0 or more elements for each servers element).
disks	Description	Element holding the response information for the list of disk
	Type	ASCII string
	Number of occurrences	As many as there are server elements (0 or 1 element for each server element).
disk	Description	Set of additional disk information. - id: Disk ID - name: Disk name
	Type	ASCII string

Element name	Item	Item description
	Number of occurrences	As many as there are disks elements (0 or more elements for each disks element).
images	Description	Element holding the response information for the list of image resources. - type: Image information type Possible values: - snapshot: snapshot
	Type	ASCII string
	Number of occurrences	As many as there are server elements (0 or 1 elements for each server element).
image	Description	Set of image resource information. - id: IDImage resource ID
	Type	ASCII string
	Number of occurrences	As many as there are images elements (0 or more elements for each images element).
networks	Description	Element holding the response information for the network information. - type: Network information type Possible values: - nic: NIC
	Type	string ASCII
	Number of occurrences	As many as there are server elements (0 or more elements for each server element).
network	Description	Set of network information
	Type	string ASCII
	Number of occurrences	As many as there are networks elements (0 or more elements for each networks element).
accountingItems	Description	Element holding the response information for the list of accounting information
	Type	ASCII string
	Number of occurrences	As many as there are system, server, disk, and image, and networks elements (0 or more elements for each element).
accountingItem	Description	Set of additional list of accounting information
	Type	ASCII string
	Number of occurrences	As many as there are accountingItems elements (1 or more elements for each accountingItems element).
subtotalCharge	Description	Subtotal of daily usage charges
	Type	decimal
	Number of occurrences	As many as there are accountingItem elements (1 element for each accountingItem element).
products	Description	Element holding the response information for the list of product information
	Type	ASCII string
	Number of occurrences	As many as there are accountingItem elements (0 or 1 element for each accountingItem element).

Element name	Item	Item description
product	Description	Set of product information - id: Product ID (*1) - category: Category code (*1) - resource: Resource ID (*1) - usageUnit: Accounting unit (*1) - unitPrice: Unit price (*1) - unitNum: Unit number (number of pieces, frequency, size, etc.) (*2) * 1: Values taken are based on the use of a product master. If products are not registered, the attributes are not omitted, but rather the return is empty. * 2: Performance values for each product are returned. - template: 1 (fixed) - vm: 1 (fixed) - pm: 1 (fixed) - cpu: Number of CPUs - cpu_clock: CPU frequency - memory: Memory size - disk: Disk size - sys_disk: Disk size - snapshot: Disk size - nic: Number of NICs
	Type	ASCII string
	Number of occurrences	As many as there are products elements (0 or more elements for each products element).
usagePoint	Description	Usage point.
	Type	decimal
	Number of occurrences	As many as there are product elements (1 elements for each product element).
usagePointUnit	Description	Unit of usage point. Specify one of the following: - minute (minutes) - hour (hours) - month (months)
	Type	ASCII string
	Number of occurrences	As many as there are product elements (1 elements for each product element).
usageCharge	Description	Daily usage charges
	Type	decimal
	Number of occurrences	As many as there are product elements (1 elements for each product element).

Point

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The contents of the usageCharge element which parent product elements have the attribute category with values cpu or cpu_clock

When using default accounting calculation and do not have the data which are registered by Accounting API, the contents of the usageCharge element whose parent product elements have the attribute category with values cpu or cpu_clock will be 0. The usage charge for the CPU can be obtained from the subtotalCharge element whose parent accountingItem element contains product elements with attribute category values cpu and cpu_clock.

Refer to "15.4.4 Resource Usage Amounts and Times" in the "Operation Guide CE" for information on the calculation formula of CPU usage charges.

··

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GetDailyChargeResponse>
<responseMessage>PAPI00000 Process completed..</responseMessage>
 <responseStatus>SUCCESS</responseStatus>
 <version>1.0</version>
<startDate>2012-01-01</startDate>
<endDate>2012-01-01</endDate>
 <systems date="2012-01-01">
  <system id="Tenant1-IYHPD30VJ" name="lplatform001" tenantName="Tenant1" tenantDeleteDate=""
ownerUserId="tenant_user_001">
   <accountingItems>
    <accountingItem>
     <subtotalCharge>1000.000</subtotalCharge>
     <products>
      <product id="PID-TMP-001" category="template" resource="template-135562b98d2" usageUnit="month"
unitPrice="1000.000" unitNum="1">
       <usagePoint>1440</usagePoint>
       <usagePointUnit>minute</usagePointUnit>
       <usageCharge>1000.000</usageCharge>
      </product>
     </products>
    </accountingItem>
   </accountingItems>
   <servers>
    <server id="Tenant1-IYHPD30VJ-S-0001" name="server01">
     <accountingItems>
      <accountingItem>
       <subtotalCharge>800.000</subtotalCharge>
       <products>
        <product id="PID-VIM-001" category="vm" resource="/VMHostPool" usageUnit="month"
unitPrice="800.000" unitNum="1">
         <usagePoint>1440</usagePoint>
         <usagePointUnit>minute</usagePointUnit>
         <usageCharge>800.000</usageCharge>
        </product>
       </products>
      </accountingItem>
      <accountingItem>
       <subtotalCharge>24.150</subtotalCharge>
       <products>
        <product id="PID-CPU-001" category="cpu" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.150" unitNum="2">
         <usagePoint>630</usagePoint>
         <usagePointUnit>minute</usagePointUnit>
         <usageCharge>3.15</usageCharge>
        </product>
        <product id="PID-CLK-001" category="cpu_clock" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.100" unitNum="10">
         <usagePoint>630</usagePoint>
         <usagePointUnit>minute</usagePointUnit>
         <usageCharge>21.000</usageCharge>
        </product>
       </products>
      </accountingItem>
      <accountingItem>
       <subtotalCharge>10.000</subtotalCharge>
```

```xml
      <products>
       <product id="PID-MEM-001" category="memory" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.100" unitNum="40">
        <usagePoint>150</usagePoint>
        <usagePointUnit>minute</usagePointUnit>
        <usageCharge>10.000</usageCharge>
       </product>
      </products>
     </accountingItem>
     <accountingItem>
      <subtotalCharge>48.000</subtotalCharge>
      <products>
       <product id="PID-MEM-001" category="memory" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.150" unitNum="40">
        <usagePoint>480</usagePoint>
        <usagePointUnit>minute</usagePointUnit>
        <usageCharge>48.000</usageCharge>
       </product>
      </products>
     </accountingItem>
     <accountingItem>
      <subtotalCharge>2000.000</subtotalCharge>
      <products>
       <product id="PID-SYS-001" category="sys_disk" resource="/StoragePool" usageUnit="month"
unitPrice="10.000" unitNum="200">
        <usagePoint>1440</usagePoint>
        <usagePointUnit>minute</usagePointUnit>
        <usageCharge>200.000</usageCharge>
       </product>
      </products>
     </accountingItem>
    </accountingItems>
    <disks>
     <disk id="Tenant1-IYHPD30VJ-D-0002" name="DISK01">
      <accountingItems>
       <accountingItem>
        <subtotalCharge>200</subtotalCharge>
        <products>
         <product id="PID-DSK-001" category="disk" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="200">
          <usagePoint>1440</usagePoint>
          <usagePointUnit>minute</usagePointUnit>
          <usageCharge>200.000</usageCharge>
         </product>
        </products>
       </accountingItem>
      </accountingItems>
     </disk>
     <disk id="Tenant1-IYHPD30VJ-D-0002" name="DISK02">
      <accountingItems>
       <accountingItem>
        <subtotalCharge>300</subtotalCharge>
        <products>
         <product id="PID-DSK-002" category="disk" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="300">
          <usagePoint>1440</usagePoint>
          <usagePointUnit>minute</usagePointUnit>
          <usageCharge>300.000</usageCharge>
         </product>
        </products>
       </accountingItem>
      </accountingItems>
     </disk>
```

```
        </disks>
      <images type="snapshot">
       <image id="Tenant1-IYHPD30VJ-SS-0001">
        <accountingItems>
         <accountingItem>
          <subtotalCharge>300</subtotalCharge>
          <products>
           <product id="PID-SS-001" category="snapshot" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="300">
            <usagePoint>1440</usagePoint>
            <usagePointUnit>minute</usagePointUnit>
            <usageCharge>300.000</usageCharge>
           </product>
          </products>
         </accountingItem>
        </accountingItems>
       </image>
      </images>
      <networks type="nic">
       <network>
        <accountingItems>
         <accountingItem>
          <products>
           <product id="PID-NIC-001" category="nic" resource="network_resource_1" usageUnit="month"
unitPrice="1.000" unitNum="2">
            <usagePoint>1</usagePoint>
            <usagePointUnit>month</usagePointUnit>
           </product>
          </products>
         </accoutingItem>
        </accountingItems>
       </network>
      </networks>
     </server>
    </servers>
   </system>
  </systems>
</GetDailyChargeResponse>
```

3.3.2 RegisterDailyCharge (Register Daily Usage Charges)

Register the daily usage charges.

Request body

<Elements>

Element name	Item	Item description
Request	Description	Element holding the request information
	Type	None
	Number of occurrences	1
param	Description	Parameter. - name: Specify the parameter name(*), set the value into tag. * Note: list of parameter - action: Fixed. Specify "RegisterDailyCharge". - version: Specify version of API. If this parameter is omitted, the default value is the newest version.
	Type	ASCII string

Element name	Item	Item description
	Number of occurrences	1 or more
Body	Description	Body.
	Type	None
	Number of occurrences	1
systems	Description	Element holding the response information for the list of L-Platform. date: Date of registered data. Format is "*yyyy-MM-dd*".
	Type	None
	Number of occurrences	1 or more
system	Description	Set of additional L-Platform template information. Specify one of the following: - id: L-Platform ID - name : L-Platform name - tenantName: Tenant name of managed tenant - tenantDeleteDate: Date when managed tenant was deleted. Format is "*yyyy-MM-dd*T*HH:mm:ss.SSSZ*". For example, use 2012-04-01T00:00:00.000+0900 for the 12:00 A.M. and 00.000 seconds on April 1, 2012 in timezone UTC+9:00. Specify empty if the tenant has not been deleted. This attribute cannot be omitted.
	Type	ASCII string
	Number of occurrences	As many as there are systems elements (0 or more elements for each systems element).
servers	Description	Element holding the information for the list of L-Server
	Type	None
	Number of occurrences	As many as there are system elements (0 or 1 element for each system element).
server	Description	Set of additional L-Server information. - id: L-Server ID - name: L-Server name
	Type	ASCII string
	Number of occurrences	As many as there are servers elements (0 or more elements for each servers element).
disks	Description	Element holding the information for the list of disk
	Type	None
	Number of occurrences	As many as there are system elements (0 or 1 element for each system element).
disk	Description	Set of additional disk information. - id: Disk ID - name: Disk name
	Type	ASCII string
	Number of occurrences	As many as there are disks elements (0 or more elements for each disks element).
images	Description	Element holding the response information for the list of image resources. - type: Image information type Possible values: - snapshot: snapshot
	Type	ASCII string
	Number of occurrences	As many as there are server elements (0 or 1 elements for each server element).

Element name	Item	Item description
image	Description	Set of image resource information. - id: Image resource ID
	Type	ASCII string
	Number of occurrences	As many as there are images elements (0 or more elements for each images element).
networks	Description	Element holding the response information for the network information. - type: Network information type Possible values: - nic: NIC
	Type	string ASCII
	Number of occurrences	As many as there are server elements (0 or more elements for each server element).
network	Description	Set of network information
	Type	string ASCII
	Number of occurrences	As many as there are networks elements (0 or more elements for each networks element).
accountingItems	Description	Element holding the response information for the list of accounting information
	Type	None
	Number of occurrences	As many as there are system, server, disk, or network elements (0 or 1 element for each element).
accountingItem	Description	Set of additional list of accounting information
	Type	None
	Number of occurrences	As many as there are accountingItems elements (1 or more elements for each accountingItems element).
subtotalCharge	Description	Subtotal of daily usage charges
	Type	decimal
	Number of occurrences	As many as there are accountingItem elements (1 element for each accountingItem element).
products	Description	Element holding the response information for the list of product information
	Type	None
	Number of occurrences	As many as there are accountingItem elements (0 or 1 element for each accountingItem element).
product	Description	Set of product information. Specify one of the following: - id: Product ID (*1) - category: Category code (*1) - resource: Resource ID (*1) - usageUnit: Accounting unit (*1) - unitPrice: Unit price (*1) - unitNum: Unit number (number of pieces, frequency, size, etc.) (* 2) * 1: Values taken are based on the use of a product master. If products are not registered, the attributes are not omitted, but rather the return is empty. * 2: Performance values for each product are returned. - template: 1 (fixed) - vm: 1 (fixed) - pm: 1 (fixed) - cpu: Number of CPUs

Element name	Item	Item description
		- cpu_clock: CPU frequency - memory: Memory size - disk: Disk size - sys_disk: Disk size - snapshot: Disk size - nic: Number of NICs
	Type	None
	Number of occurrences	As many as there are products elements (0 or more elements for each products element).
usagePoint	Description	Usage point
	Type	decimal
	Number of occurrences	As many as there are products elements (1 element for each products element).
usagePointUnit	Description	Unit of usage point. Specify one of the following: - minute (minutes) - hour (hours) - month (months)
	Type	ASCII string
	Number of occurrences	As many as there are products elements (1 element for each products element).
usageCharge	Description	Daily usage charges
	Type	decimal
	Number of occurrences	As many as there are products elements (1 element for each products element).

Sample request body

```
<?xml version="1.0" encoding="UTF-8"?>
<Request>
<param name="action">RegisterUsagePoint</param>
<Body>
 <systems date="2012-01-01">
  <system id="Tenant1-IYHPD30VJ" name="lplatform001" tenantName="Tenant1" tenantDeleteDate=""
ownerUserId="tenant_user_001">
   <accountingItems>
    <accountingItem>
     <subtotalCharge>1000.000</subtotalCharge>
     <usageCharge>1000.000</usageCharge>
     <products>
      <product id="PID-TMP-001" category="template" resource="template-135562b98d2" usageUnit="month"
unitPrice="1000.000" unitNum="1">
       <usagePoint>1440</usagePoint>
       <usagePointUnit>minute</usagePointUnit>
      </product>
     </products>
    </accountingItem>
   </accountingItems>
   <servers>
    <server id="Tenant1-IYHPD30VJ-S-0001" name="server01">
     <accountingItems>
      <accountingItem>
       <subtotalCharge>800.000</subtotalCharge>
       <products>
        <product id="PID-VIM-001" category="vm" resource="/VMHostPool" usageUnit="month"
unitPrice="800.000" unitNum="1">
         <usagePoint>1440</usagePoint>
         <usagePointUnit>minute</usagePointUnit>
```

```
        <usageCharge>800.000</usageCharge>
       </product>
      </products>
     </accountingItem>
     <accountingItem>
      <subtotalCharge>24.150</subtotalCharge>
      <products>
       <product id="PID-CPU-001" category="cpu" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.150" unitNum="2">
        <usagePoint>630</usagePoint>
        <usagePointUnit>minute</usagePointUnit>
        <usageCharge>3.150</usageCharge>
       </product>
       <product id="PID-CLK-001" category="cpu_clock" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.100" unitNum="10">
        <usagePoint>630</usagePoint>
        <usagePointUnit>minute</usagePointUnit>
        <usageCharge>21.000</usageCharge>
       </product>
      </products>
     </accountingItem>
     <accountingItem>
      <subtotalCharge>10.000</subtotalCharge>
      <products>
       <product id="PID-MEM-001" category="memory" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.100" unitNum="40">
        <usagePoint>150</usagePoint>
        <usagePointUnit>minute</usagePointUnit>
        <usageCharge>10.000</usageCharge>
       </product>
      </products>
     </accountingItem>
     <accountingItem>
      <subtotalCharge>48.000</subtotalCharge>
      <products>
       <product id="PID-MEM-001" category="memory" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.150" unitNum="40">
        <usagePoint>480</usagePoint>
        <usagePointUnit>minute</usagePointUnit>
        <usageCharge>48.000</usageCharge>
       </product>
      </products>
     </accountingItem>
     <accountingItem>
      <subtotalCharge>200.000</subtotalCharge>
      <products>
       <product id="PID-SYS-001" category="sys_disk" resource="/StoragePool" usageUnit="month"
unitPrice="10.000" unitNum="200">
        <usagePoint>1440</usagePoint>
        <usagePointUnit>minute</usagePointUnit>
        <usageCharge>2000.000</usageCharge>
       </product>
      </products>
     </accountingItem>
    </accountingItems>
    <disks>
     <disk id="Tenant1-IYHPD30VJ-D-0002" name="DISK01">
      <accountingItems>
       <accountingItem>
        <subtotalCharge>200</subtotalCharge>
        <products>
         <product id="PID-DSK-001" category="disk" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="200">
```

```xml
          <usagePoint>1440</usagePoint>
          <usagePointUnit>minute</usagePointUnit>
          <usageCharge>200.000</usageCharge>
         </product>
        </products>
       </accountingItem>
      </accountingItems>
     </disk>
     <disk id="Tenant1-IYHPD30VJ-D-0002" name="DISK02">
      <accountingItems>
       <accountingItem>
        <subtotalCharge>300</subtotalCharge>
        <products>
         <product id="PID-DSK-002" category="disk" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="300">
          <usagePoint>1440</usagePoint>
          <usagePointUnit>minute</usagePointUnit>
          <usageCharge>300.000</usageCharge>
         </product>
        </products>
       </accountingItem>
      </accountingItems>
     </disk>
    </disks>
    <images type="snapshot">
     <image id="Tenant1-IYHPD30VJ-SS-0001">
      <accountingItems>
       <accountingItem>
        <subtotalCharge>300</subtotalCharge>
        <products>
         <product id="PID-SS-001" category="snapshot" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="300">
          <usagePoint>1440</usagePoint>
          <usagePointUnit>minute</usagePointUnit>
          <usageCharge>300.000</usageCharge>
         </product>
        </products>
       </accountingItem>
      </accountingItems>
     </image>
    </images>
    <networks type="nic">
     <network>
      <accountingItems>
       <accountingItem>
        <products>
         <product id="PID-NIC-001" category="nic" resource="network_resource_1" usageUnit="month"
unitPrice="1.000" unitNum="2">
          <usagePoint>1</usagePoint>
          <usagePointUnit>month</usagePointUnit>
         </product>
        </products>
       </accoutingItem>
      </accountingItems>
     </network>
    </networks>
   </server>
  </servers>
 </system>
 </systems>
</Body>
</Request>
```

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<RegisterDailyChargeResponse>
 <responseMessage>[Message]</responseMessage>
 <responseStatus>[Status]</responseStatus>
 <version>[Version]</version>
</RegisterDailyChargeResponse>
```

<Elements>

Element name	Item	Item description
RegisterDailyChargeResponse	Description	Element holding the response informatio.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 5 Messages Starting with AAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
version	Description	The version of the API
	Type	ASCII string
	Number of occurrences	1

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<RegisterDailyChargeResponse>
 <responseMessage>PAPI00000 Process completed.</responseMessage>
 <responseStatus>SUCCESS</responseStatus>
 <version>1.0</version>
</RegisterDailyChargeResponse>
```

3.4 Monthly Usage Charge Operations

This section explains the accounting API as it relates to monthly usage Charge operations.

3.4.1 GetMonthlyCharge (Get Monthly Usage Charges)

Get the monthly usage charges.

Request parameters

Parameter name	Item	Item description
[version]	Description	Version ID of the accounting API
	Type	ASCII string
	Value	Fixed. Specify "1.0". The latest version is used if this is omitted.
action	Description	The name of the accounting API to be executed
	Type	ASCII string
	Value	Fixed. Specify "GetUsagePoint".
[startDate]	Description	Specify using the format "*yyyy-MM*". The start date cannot be any month after the endDate, the month the API is executed, or any date after this. If this is omitted, the month previous to when the API is executed will be used.
	Type	ASCII string
	Value	The start date cannot be any month after the endDate, the month the API is executed, or any date after this. If this is omitted, the month previous to when the API is executed will be used.
[endDate]	Description	Specify using the format "*yyyy-MM*". The end date cannot be any month before the startDate, the month the API is executed, or any date after this. If this is omitted, the month previous to when the API is executed will be used.
	Type	ASCII string
	Value	The end date cannot be any month before the startDate, the month the API is executed, or any date after this. If this is omitted, the month previous to when the API is executed will be used.
[sum]	Description	Option to determine whether to output the retrieved information for each month, or to sum.
	Type	ASCII string
	Value	One of the following can be specified: - true: Output summed value - false: Output for each day If nothing was specified, the setting will be considered to be "false".
[lplatformId]	Description	Retrieve information for specified L-Platform
	Type	ASCII string
	Value	Specify in each parameter when specifying multiple. For example, lplatformId=aaa&lplatformId=bbb&... If an "lplatformId" is specified, a "tenantName" cannot be specified and vice versa.
[tenantName]	Description	Retrieve information for specified tenant.
	Type	ASCII string
	Value	Specify in each parameter when specifying multiple. For example, tenantName=aaa&tenantName=bbb&... If an "lplatformId" is specified, a "tenantName" cannot be specified and vice versa.

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GetMonthlyChargeResponse>
 <responseMessage>[Message]</responseMessage>
 <responseStatus>[Status]</responseStatus>
 <version>[Version]</version>
 <startDate>[Start date for reference information]</startDate>
 <endDate>[End date for reference information]</endDate>
 <systems date="2012-01">
  <system id="[L-Platform ID]" name="[L-Platform name]" tenantName="[Tenant name of managed tenant]"
tenantDeleteDate="[Date when managed tenant was deleted]">
   <totalCharge>[Total of monthly usage charges.]</totalCharge>
   <accountingItems>
    <accountingItem>
     <subtotalCharge>[Subtotal of daily usage charges]</subtotalCharge>
     <products>
      <product id="[Product ID]" category="[Category code]" resource="[Resource ID]"
usageUnit="[Accounting unit]" unitPrice="[Unit price]" unitNum="[Unit number]">
       <usagePoint>[Usage point]</usagePoint>
       <usagePointUnit>[Unit of usage point]</usagePointUnit>
       <usageCharge>[Monthly usage charges]</usageCharge>
      </product>
     </products>
    </accountingItem>
   </accountingItems>
   <servers>
    <server id="[L-Server ID]" name="[L-Server name]">
     <disks>
      <disk id="[Disk ID]" name="[Disk name]">
      </disk>
     </disks>
     <images type="[Image information type]">
      <image id="[Image resource ID]">
      </image>
     </images>
     <networks type="[Network information type]">
      <network>
       <accountingItems>
        <accountingItem>
         <subtotalCharge>[Subtotal of daily usage charges]</subtotalCharge>
         <products>
          <product id="[Product ID]" category="[Category code]" resource="[Resource ID]"
usageUnit="[Accounting unit]" unitPrice="[Unit price]" unitNum="[Unit number]">
           <usagePoint>[Usage point]</usagePoint>
           <usagePointUnit>[Unit of usage point]</usagePointUnit>
           <usageCharge>[Monthly usage charges]</usageCharge>
          </product>
         </products>
        </accountingItem>
       </accountingItems>
      </network>
     </networks>
    </server>
   </servers>
  </system>
```

```
    </systems>
</GetMonthlyChargeResponse>
```

<Elements>

Element name	Item	Item description
GetMonthlyChargeResponse	Description	Element holding the response information
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 5 Messages Starting with AAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix A List of Response Status Error Codes(L-Platform APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
version	Description	The version of the API
	Type	ASCII string
	Number of occurrences	1
startDate	Description	Start date for reference information
	Type	ASCII string
	Number of occurrences	1
endDate	Description	End date for reference information
	Type	ASCII string
	Number of occurrences	1
systems	Description	Element holding the response information for the list of L-Platform. date: Date of acquired data. Format is "$yyyy\text{-}MM$". When "sum=true" is specified for the parameter, the attribute is none.
	Type	None
	Number of occurrences	1 or more
system	Description	Set of additional L-Platform template information. - id: L-Platform ID - name : L-Platform name - tenantName: Tenant name of managed tenant - tenantDeleteDate: Date when managed tenant was deleted. Format is "$yyyy\text{-}MM\text{-}dd\,\text{T}HH\text{:}mm\text{:}ss.SSSZ$". For example, use 2012-04-01T00:00:00.000+0900 for the 12:00 A.M. and 00.000 seconds on April 1, 2012 in timezone UTC+9:00. The return is empty if the tenant has not been deleted. This attribute cannot be omitted.
	Type	0 or more

Element name	Item	Item description
	Number of occurrences	As many as there are systems elements (0 or more elements for each systems element).
totalCharge	Description	Total of monthly usage charges
	Type	decimal
	Number of occurrences	As many as there are system elements (1 element for each system element).
servers	Description	Element holding the response information for the list of L-Server
	Type	ASCII string
	Number of occurrences	As many as there are system elements (0 or 1 element for each system element).
server	Description	Set of additional L-Server information. - id: L-Server ID - name: L-Server name
	Type	UTF-8 string
	Number of occurrences	As many as there are servers elements (0 or more elements for each servers element).
disks	Description	Set of additional disk information
	Type	ASCII string
	Number of occurrences	As many as there are server elements (0 or 1 element for each server element).
disk	Description	Set of additional disk information. - id: Disk ID - name: Disk name
	Type	ASCII string
	Number of occurrences	As many as there are disks elements (0 or more elements for each disks element).
images	Description	Element holding the response information for the list of image resources. - type: Image information type Possible values: - snapshot: snapshot
	Type	ASCII string
	Number of occurrences	As many as there are server elements (0 or 1 elements for each server element).
image	Description	Set of image resource information. - id: Image resource ID
	Type	ASCII string
	Number of occurrences	As many as there are images elements (0 or more elements for each images element).
networks	Description	Element holding the response information for the network information. - type: Network information type Possible values: - nic: NIC
	Type	string ASCII

Element name	Item	Item description
	Number of occurrences	As many as there are server elements (0 or more elements for each server element).
network	Description	Set of network information
	Type	string ASCII
	Number of occurrences	As many as there are networks elements (0 or more elements for each networks element).
accountingItems	Description	Element holding the response information for the list of accounting information
	Type	ASCII string
	Number of occurrences	As many as there are system, server, disk, image, and network elements (0 or more elements for each element).
accountingItem	Description	Set of additional list of accounting information
	Type	ASCII string
	Number of occurrences	As many as there are accountingItems elements (1 or more elements for each accountingItems element).
subtotalCharge	Description	Subtotal of monthly usage charges
	Type	decimal
	Number of occurrences	As many as there are accountingItem elements (1 elements for each accountingItem element).
products	Description	Element holding the response information for the list of product information
	Type	ASCII string
	Number of occurrences	As many as there are accountingItem elements (0 or 1 element for each accountingItem element).
product	Description	Set of product information - id: Product ID (*1) - category: Category code (*1) - resource: Resource ID (*1) - usageUnit: Accounting unit (*1) - unitPrice: Unit price (*1) - unitNum: Unit number (number of pieces, frequency, size, etc.) (*2) * 1: Values taken are based on the use of a product master. If products are not registered, the attributes are not omitted, but rather the return is empty. * 2: Performance values for each product are returned. - template: 1 (fixed) - vm: 1 (fixed) - pm: 1 (fixed) - cpu: Number of CPUs - cpu_clock: CPU frequency - memory: Memory size - disk: Disk size - sys_disk: Disk size - snapshot: Disk size - nic: Number of NICs
	Type	ASCII string

Element name	Item	Item description
	Number of occurrences	As many as there are products elements (0 or more elements for each products element).
usagePoint	Description	Usage point.
	Type	decimal
	Number of occurrences	As many as there are product elements (1 elements for each product element).
usagePointUnit	Description	Unit of usage point. Specify one of the following: - minute (minutes) - hour (hours) - month (months)
	Type	ASCII string
	Number of occurrences	As many as there are product elements (1 elements for each product element).
usageCharge	Description	Monthly usage charges.
	Type	decimal
	Number of occurrences	As many as there are product elements (1 elements for each product element).

🅿 Point

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The contents of the usageCharge element which parent product elements have the attribute category with values cpu or cpu_clock

When using default accounting calculation and do not have the data which are registered by Accounting API, the contents of the usageCharge element whose parent product elements have the attribute category with values cpu or cpu_clock will be 0. The usage charge for the CPU can be obtained from the subtotalCharge element whose parent accountingItem element contains product elements with attribute category values cpu and cpu_clock.

Refer to "15.4.4 Resource Usage Amounts and Times" in the "Operation Guide CE" for information on the calculation formula of CPU usage charges.

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Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<GetMonthlyChargeResponse>
<responseMessage>PAPI00000 Process completed..</responseMessage>
 <responseStatus>SUCCESS</responseStatus>
 <version>1.0</version>
 <startDate>2012-01</startDate>
 <endDate>2012-01</endDate>
 <systems date="2012-01">
  <system id="Tenant1-IYHPD30VJ" name="lplatform001" tenantName="Tenant1" tenantDeleteDate=""
ownerUserId="tenant_user_001">
   <totalCharge>2382.15</totalCharge>
   <costSharingRates>
    <costSharingRate tenantName="Tenant1" rate="80"/>
    <costSharingRate tenantName="Tenant2" rate="20"/>
   </costSharingRates>
   <accountingItems>
    <accountingItem>
     <subtotalCharge>1000.000</subtotalCharge>
     <products>
      <product id="PID-TMP-001" category="template" resource="template-135562b98d2" usageUnit="month"
unitPrice="1000.000" unitNum="1">
```

```xml
      <usagePoint>1440</usagePoint>
      <usagePointUnit>minute</usagePointUnit>
      <usageCharge>1000.000</usageCharge>
     </product>
    </products>
   </accountingItem>
  </accountingItems>
  <servers>
   <server id="Tenant1-IYHPD30VJ-S-0001" name="server01">
    <accountingItems>
     <accountingItem>
      <subtotalCharge>800.000</subtotalCharge>
      <products>
       <product id="PID-VIM-001" category="vm" resource="/VMHostPool" usageUnit="month"
unitPrice="800.000" unitNum="1">
        <usagePoint>1440</usagePoint>
        <usagePointUnit>minute</usagePointUnit>
        <usageCharge>800.000</usageCharge>
       </product>
      </products>
     </accountingItem>
     <accountingItem>
      <subtotalCharge>24.150</subtotalCharge>
      <products>
       <product id="PID-CPU-001" category="cpu" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.150" unitNum="2">
        <usagePoint>630</usagePoint>
        <usagePointUnit>minute</usagePointUnit>
        <usageCharge>3.150</usageCharge>
       </product>
       <product id="PID-CLK-001" category="cpu_clock" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.100" unitNum="10">
        <usagePoint>630</usagePoint>
        <usagePointUnit>minute</usagePointUnit>
        <usageCharge>21.000</usageCharge>
       </product>
      </products>
     </accountingItem>
     <accountingItem>
      <subtotalCharge>10.000</subtotalCharge>
      <products>
       <product id="PID-MEM-001" category="memory" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.100" unitNum="40">
        <usagePoint>150</usagePoint>
        <usagePointUnit>minute</usagePointUnit>
        <usageCharge>10.000</usageCharge>
       </product>
      </products>
     </accountingItem>
     <accountingItem>
      <subtotalCharge>48.000</subtotalCharge>
      <products>
       <product id="PID-MEM-001" category="memory" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.150" unitNum="40">
        <usagePoint>480</usagePoint>
        <usagePointUnit>minute</usagePointUnit>
        <usageCharge>48.000</usageCharge>
       </product>
      </products>
     </accountingItem>
     <accountingItem>
      <subtotalCharge>2000.000</subtotalCharge>
      <products>
```

```
          <product id="PID-SYS-001" category="sys_disk" resource="/StoragePool" usageUnit="month"
unitPrice="2000.000" unitNum="1">
           <usagePoint>1440</usagePoint>
           <usagePointUnit>minute</usagePointUnit>
           <usageCharge>2000.000</usageCharge>
          </product>
         </products>
        </accountingItem>
       </accountingItems>
      <disks>
       <disk id="Tenant1-IYHPD30VJ-D-0002" name="DISK01">
        <accountingItems>
         <accountingItem>
          <subtotalCharge>200</subtotalCharge>
          <products>
           <product id="PID-DSK-001" category="disk" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="200">
            <usagePoint>1440</usagePoint>
            <usagePointUnit>minute</usagePointUnit>
            <usageCharge>200.000</usageCharge>
           </product>
          </products>
         </accountingItem>
        </accountingItems>
       </disk>
       <disk id="Tenant1-IYHPD30VJ-D-0002" name="DISK02">
        <accountingItems>
         <accountingItem>
          <subtotalCharge>300</subtotalCharge>
          <products>
           <product id="PID-DSK-002" category="disk" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="300">
            <usagePoint>1440</usagePoint>
            <usagePointUnit>minute</usagePointUnit>
            <usageCharge>300.000</usageCharge>
           </product>
          </products>
         </accountingItem>
        </accountingItems>
       </disk>
      </disks>
      <images type="snapshot">
       <image id="Tenant1-IYHPD30VJ-SS-0001">
        <accountingItems>
         <accountingItem>
          <subtotalCharge>200</subtotalCharge>
          <products>
           <product id="PID-SS-001" category="snapshot" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="200">
            <usagePoint>1440</usagePoint>
            <usagePointUnit>minute</usagePointUnit>
            <usageCharge>200.000</usageCharge>
           </product>
          </products>
         </accountingItem>
        </accountingItems>
       </image>
      </images>
      <networks type="nic">
       <network>
        <accountingItems>
         <accountingItem>
          <products>
```

```
          <product id="PID-NIC-001" category="nic" resource="network_resource_1" usageUnit="month"
unitPrice="1.000" unitNum="2">
            <usagePoint>1</usagePoint>
            <usagePointUnit>month</usagePointUnit>
            <usageCharge>2.000</usageCharge>
          </product>
        </products>
      </accoutingItem>
    </accountingItems>
   </network>
  </networks>
 </server>
 </servers>
 </system>
 </systems>
</GetMonthlyChargeResponse>
```

3.4.2 RegisterMonthlyCharge (Register Monthly Usage Charges)

Register the monthly usage charges.

Request body

<Elements>

Element name	Item	Item description
Request	Description	Element holding the request information
	Type	None
	Number of occurrences	1
param	Description	Parameter. - name: Specify the parameter name(*), set the value into tag. * Note: list of parameter - action: Fixed. Specify "RegisterMonthlyCharge". - version: Specify version of API. If this parameter is omitted, the default value is the newest version.
	Type	ASCII string
	Number of occurrences	1 or more
Body	Description	Body.
	Type	None
	Number of occurrences	1
systems	Description	Element holding the information for the list of L-Platform. date: Date of registered data. Format is "*yyyy-MM* ".
	Type	None
	Number of occurrences	1 or more
system	Description	Set of additional L-Platform information. Specify one of the following: - id: L-Platform ID - name: L-Platform name - tenantName: Tenant name of managed tenant - tenantDeleteDate: Date when managed tenant was deleted. Format is "*yyyy-MM-dd* T*HH:mm:ss.SSSZ* ". For example, use 2012-04-01T00:00:00.000+0900 for the 12:00 A.M. and 00.000 seconds on April 1, 2012 in timezone UTC+9:00. Specify empty if the tenant has not been deleted. This attribute cannot be omitted.

Element name	Item	Item description
	Type	ASCII string
	Number of occurrences	As many as there are systems elements (0 or more elements for each systems element).
totalCharge	Description	Total of monthly usage charges.If omitted, the API will sum the subtotalCharge values and register them in the DB.
	Type	decimal
	Number of occurrences	As many as there are system elements (0 or 1 element for each system element).
servers	Description	Element holding the information for the list of L-Server.
	Type	None
	Number of occurrences	As many as there are syetem elements (0 or 1 element for each syetem element).
server	Description	Set of additional L-Server information. - id: L-Server ID - name: L-Server name
	Type	ASCII string
	Number of occurrences	As many as there are servers elements (0 or more elements for each servers element).
disks	Description	Element holding the information for the list of disk.
	Type	None
	Number of occurrences	As many as there are system elements (0 or 1 elements for each system element).
disk	Description	Set of additional disk information. - id: L-Platform ID - name: L-Platform name
	Type	ASCII string
	Number of occurrences	As many as there are disks elements (0 or more elements for each disks element).
images	Description	Element holding the response information for the list of image resources. - type: Image information type Possible values: - snapshot: snapshot
	Type	ASCII string
	Number of occurrences	As many as there are server elements (0 or 1 elements for each server element).
image	Description	Set of image resource information. - id: Image resource ID
	Type	ASCII string
	Number of occurrences	As many as there are images elements (0 or more elements for each images element).
networks	Description	Element holding the response information for the network information. - type: Network information type Possible values: - nic: NIC
	Type	string ASCII
	Number of occurrences	As many as there are server elements (0 or more elements for each server element).
network	Description	Set of network information
	Type	string ASCII

Element name	Item	Item description
	Number of occurrences	As many as there are networks elements (0 or more elements for each networks element).
accountingItems	Description	Element holding the response information for the list of accounting information.
	Type	None
	Number of occurrences	As many as there are system, server, disk, or network elements (0 or more elements for each element).
accountingItem	Description	Set of additional list of accounting information.
	Type	None
	Number of occurrences	As many as there are accountingItems elements (1 or more elements for each accountingItems element).
subtotalCharge	Description	Subtotal of monthly usage charges.
	Type	decimal
	Number of occurrences	As many as there are accountingItem elements (1 element for each accountingItem element).
products	Description	Element holding the response information for the list of product information.
	Type	None
	Number of occurrences	As many as there are accountingItem elements (0 or 1 element for each element).
product	Description	Set of product information - id: Product ID (*1) - category: Category code (*1) - resource: Resource ID (*1) - usageUnit: Accounting unit (*1) - unitPrice: Unit price (*1) - unitNum: Unit number (number of pieces, frequency, size, etc.) (* 2) * 1: Values taken are based on the use of a product master. If products are not registered, the attributes are not omitted, but rather the return is empty. * 2: Performance values for each product are returned. - template: 1 (fixed) - vm: 1 (fixed) - pm: 1 (fixed) - cpu: Number of CPUs - cpu_clock: CPU frequency - memory: Memory size - disk: Disk size - sys_disk: Disk size - snapshot: Disk size - nic: Number of NICs
	Type	None
	Number of occurrences	As many as there are products elements (0 or more elements for each products element).
usagePoint	Description	Usage point.
	Type	decimal
	Number of occurrences	As many as there are products elements (1 element for each products element).
usagePointUnit	Description	Unit of usage point. Specify one of the following: - minute (minutes) - hour (hours) - month (months)

Element name	Item	Item description
	Type	ASCII string
	Number of occurrences	As many as there are products elements (1 elements for each products element).
usageCharge	Description	Monthly usage charges.
	Type	decimal
	Number of occurrences	As many as there are products elements (1 element for each products element).

Sample request body

```xml
<?xml version="1.0" encoding="UTF-8"?>
<Request>
<param name="action">RegisterUsagePoint</param>
<Body>
<systems date="2012-01">
  <system id="Tenant1-IYHPD30VJ" name="lplatform001" tenantName="Tenant1" tenantDeleteDate=""
ownerUserId="tenant_user_001">
   <totalCharge>2382.15</totalCharge>
   <accountingItems>
    <accountingItem>
     <subtotalCharge>1000.000</subtotalCharge>
     <products>
      <product id="PID-TMP-001" category="template" resource="template-135562b98d2" usageUnit="month"
unitPrice="1000.000" unitNum="1">
       <usagePoint>1440</usagePoint>
       <usagePointUnit>minute</usagePointUnit>
       <usageCharge>1000.000</usageCharge>
      </product>
     </products>
    </accountingItem>
   </accountingItems>
   <servers>
    <server id="Tenant1-IYHPD30VJ-S-0001" name="server01">
     <accountingItems>
      <accountingItem>
       <subtotalCharge>800.000</subtotalCharge>
       <products>
        <product id="PID-VIM-001" category="vm" resource="/VMHostPool" usageUnit="month"
unitPrice="800.000" unitNum="1">
         <usagePoint>1440</usagePoint>
         <usagePointUnit>minute</usagePointUnit>
         <usageCharge>800.000</usageCharge>
        </product>
       </products>
      </accountingItem>
      <accountingItem>
       <subtotalCharge>24.150</subtotalCharge>
       <products>
        <product id="PID-CPU-001" category="cpu" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.150" unitNum="2">
         <usagePoint>630</usagePoint>
         <usagePointUnit>minute</usagePointUnit>
         <usageCharge>3.150</usageCharge>
        </product>
        <product id="PID-CLK-001" category="cpu_clock" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.100" unitNum="10">
         <usagePoint>630</usagePoint>
         <usagePointUnit>minute</usagePointUnit>
         <usageCharge>21.000</usageCharge>
        </product>
```

```
          </products>
        </accountingItem>
        <accountingItem>
         <subtotalCharge>10.000</subtotalCharge>
         <products>
          <product id="PID-MEM-001" category="memory" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.100" unitNum="40">
           <usagePoint>150</usagePoint>
           <usagePointUnit>minute</usagePointUnit>
           <usageCharge>10.000</usageCharge>
          </product>
         </products>
        </accountingItem>
        <accountingItem>
         <subtotalCharge>48.000</subtotalCharge>
         <products>
          <product id="PID-MEM-001" category="memory" resource="/VMHostPool" usageUnit="hour"
unitPrice="0.150" unitNum="40">
           <usagePoint>480</usagePoint>
           <usagePointUnit>minute</usagePointUnit>
           <usageCharge>48.000</usageCharge>
          </product>
         </products>
        </accountingItem>
        <accountingItem>
         <subtotalCharge>2000.000</subtotalCharge>
         <products>
          <product id="PID-SYS-001" category="sys_disk" resource="/StoragePool" usageUnit="month"
unitPrice="10.000" unitNum="200">
           <usagePoint>1440</usagePoint>
           <usagePointUnit>minute</usagePointUnit>
           <usageCharge>2000.000</usageCharge>
          </product>
         </products>
        </accountingItem>
       </accountingItems>
      <disks>
       <disk id="Tenant1-IYHPD30VJ-D-0002" name="DISK01">
        <accountingItems>
         <accountingItem>
          <subtotalCharge>200</subtotalCharge>
          <products>
           <product id="PID-DSK-001" category="disk" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="200">
            <usagePoint>1440</usagePoint>
            <usagePointUnit>minute</usagePointUnit>
            <usageCharge>200.000</usageCharge>
           </product>
          </products>
         </accountingItem>
        </accountingItems>
       </disk>
       <disk id="Tenant1-IYHPD30VJ-D-0002" name="DISK02">
        <accountingItems>
         <accountingItem>
          <subtotalCharge>300</subtotalCharge>
          <products>
           <product id="PID-DSK-002" category="disk" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="300">
            <usagePoint>1440</usagePoint>
            <usagePointUnit>minute</usagePointUnit>
            <usageCharge>300.000</usageCharge>
           </product>
```

```
          </products>
         </accountingItem>
        </accountingItems>
       </disk>
      </disks>
      <images type="snapshot">
       <image id="Tenant1-IYHPD30VJ-SS-0001">
        <accountingItems>
         <accountingItem>
          <subtotalCharge>200</subtotalCharge>
          <products>
           <product id="PID-SS-001" category="snapshot" resource="VMStoragePool" usageUnit="month"
unitPrice="1.000" unitNum="200">
            <usagePoint>1440</usagePoint>
            <usagePointUnit>minute</usagePointUnit>
            <usageCharge>200.000</usageCharge>
           </product>
          </products>
         </accountingItem>
        </accountingItems>
       </image>
      </images>
      <networks type="nic">
       <network>
        <accountingItems>
         <accountingItem>
          <products>
           <product id="PID-NIC-001" category="nic" resource="network_resource_1" usageUnit="month"
unitPrice="1.000" unitNum="2">
            <usagePoint>1</usagePoint>
            <usagePointUnit>month</usagePointUnit>
            <usageCharge>2.000</usageCharge>
           </product>
          </products>
         </accoutingItem>
        </accountingItems>
       </network>
      </networks>
     </server>
    </servers>
   </system>
  </systems>
 </Body>
</Request>
```

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```
<?xml version="1.0" encoding="UTF-8"?>
<RegisterMonthlyChargeResponse>
 <responseMessage>[Message]</responseMessage>
 <responseStatus>[Status]</responseStatus>
 <version>[Version]</version>
</RegisterMonthlyChargeResponse>
```

<Elements>

Element name	Item	Item description
RegisterMonthlyChargeResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 5 Messages Starting with AAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix B List of Response Status Error Codes(Accounting APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
version	Description	The version of the API.
	Type	ASCII string
	Number of occurrences	1

Sample response

```xml
<?xml version="1.0" encoding="UTF-8"?>
<RegisterMonthlyChargeResponse>
 <responseMessage>PAPI00000 Process completed.</responseMessage>
 <responseStatus>SUCCESS</responseStatus>
 <version>1.0</version>
</RegisterMonthlyChargeResponse>
```

3.5 Tenant Operations

This section explains the accounting API as it relates to tenant operations.

3.5.1 GetTenants (Get a List of Tenant Information)

Get a list of tenant information.

Request parameters

Parameter name	Item	Item description
[version]	Description	Version ID of the accounting API
	Type	ASCII string
	Value	Fixed. Specify "1.0". The latest version is used if this is omitted.
action	Description	The name of the accounting API to be executed.
	Type	ASCII string
	Value	Fixed. Specify "GetTenants".
[searchTenantName]	Description	Acquired tenant name.

Parameter name	Item	Item description
	Type	ASCII string
	Value	Retrieve information for the specified tenant. If this is specified, "true" will always be specified for "verbose". If this is omitted, information is retrieved for all tenants. Multiple can be specified. Detailed information for all specified tenants is retrieved if multiple are specified. If multiple are specified, deleteDate cannot be specified.
[deleteDate]	Description	The day of delete tenant.
	Type	ASCII string
	Value	*yyyy-MM-dd* T *HH:mm:ss.SSSZ* For example, use 2012-04-01T00:00:00.000+0900 for the 12:00 A.M. and 00.000 seconds on April 1, 2012 in timezone UTC+9:00. If this is omitted, the default value is the information of tenant with unset the delete date.
[deletedTenant]	Description	This element indicates whether the include dereted tenant with list of tenant.
	Type	ASCII string
	Value	Specify one of the following: - true: include - false: exclude If this parameter is omitted, the default value is "false".
[verbose]	Description	This element indicates whether the include detail informaton of tenant.
	Type	ASCII string
	Value	Specify one of the following: - true: include - false: exclude If this parameter is omitted, the default value is "false".

Response

<Status code>

The API returns "200 OK" if it terminates normally.

<XML>

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GetTenantsResponse>
 <responseMessage>[Message]</responseMessage>
 <responseStatus>[Status]</responseStatus>
 <version>[Version]</version>
 <tenants>
  <tenant>
   <tenantName>[Tenant name]</tenantName>
   <displayName>[Display name]</displayName>
   <cutOffDate>[Cut-off date]</cutOffDate>
   <postCutOffDate>[Next cut-off date]</postCutOffDate>
   <latestCutOffDate>[Latest cut-off date]</latestCutOffDate>
   <accountingMailAddress>[Email address to send the usage accounts]</accountingMailAddress>
   <registerDate>[The time and date of register the tenant]</registerDate>
   <deleteDate>[The time and date of delete the tenant]</deleteDate>
  </tenant>
```

```
    </tenants>
</GetTenantsResponse>
```

<Elements>

Element name	Item	Item description
GetTenantsResponse	Description	Element holding the response information.
	Type	None
	Number of occurrences	1
responseMessage	Description	Message. This element indicates whether the request has been processed correctly. Refer to "Chapter 5 Messages Starting with AAPI" in the "Messages" for message details.
	Type	UTF-8 string
	Number of occurrences	1
responseStatus	Description	Status. This element indicates whether the request has been processed normally. "SUCCESS" is returned if the request is processed normally. Otherwise, an error code is returned. Refer to "Appendix B List of Response Status Error Codes(Accounting APIs)" for information on error codes.
	Type	ASCII string
	Number of occurrences	1
version	Description	The version of the API.
	Type	ASCII string
	Number of occurrences	1
tenants	Description	Element holding the response information for the list of tenant information.
	Type	None
	Number of occurrences	1
tenant	Description	Set of additional list of tenant information.
	Type	None
	Number of occurrences	0 or more
tenantName	Description	Tenant name.
	Type	ASCII string
	Number of occurrences	As many as there are tenant elements (1 element for each tenant element).
displayName	Description	Display name.
	Type	ASCII string
	Number of occurrences	As many as there are tenant elements (1 element for each tenant element).
cutOffDate	Description	Cut-off date. Output only when verbose=true is specified.
	Type	decimal
	Number of occurrences	As many as there are tenant elements (0 or 1 elements for each tenant element).
postCutOffDate	Description	Next cut-off date. Output only when verbose=true is specified.
	Type	decimal

Element name	Item	Item description
	Number of occurrences	As many as there are tenant elements (0 or 1 elements for each tenant element).
latestCutOffDate	Description	Latest cut-off date. Output only when verbose=true is specified.
	Type	decimal
	Number of occurrences	As many as there are tenant elements (0 or 1 elements for each tenant element).
accountingMailAddress	Description	Email address to send the usage accounts. Output only when verbose=true is specified.
	Type	ASCII string
	Number of occurrences	As many as there are tenant elements (0 or 1 elements for each tenant element).
registerDate	Description	The time and date of register the tenant. Output only when verbose=true is specified.
	Type	Date string
	Number of occurrences	As many as there are tenant elements (0 or 1 elements for each tenant element).
deleteDate	Description	The time and date of delete the tenant.
	Type	Date string
	Number of occurrences	As many as there are tenant elements (1 elements for each tenant element).

Sample response

```
<?xml version="1.0" encoding="UTF-8"?>
<GetTenantsResponse>
 <responseMessage>PAPI00000 Process completed.</responseMessage>
 <responseStatus>SUCCESS</responseStatus>
 <version>1.0</version>
 <tenants>
  <tenant>
   <tenantName>Tenant1</tenantName>
   <displayName>tenant1</displayName>
   <cutOffDate>25</cutOffDate>
   <postCutOffDate>2012-02-25</postCutOffDate>
   <latestCutOffDate>2012-01-25</latestCutOffDate>
   <accountingMailAddress>tenant1@example.com</accountingMailAddress>
   <registerDate>2011-01-01T10:30:00.000+0900</registerDate>
   <deleteDate></deleteDate>
  </tenant>
  <tenant>
   <tenantName>Tenant2</tenantName>
   <displayName>tenant2</displayName>
   <cutOffDate>31</cutOffDate>
   <postCutOffDate>2012-02-29</postCutOffDate>
   <latestCutOffDate>2012-01-25</latestCutOffDate>
   <accountingMailAddress>tenant2@exmaple.com</accountingMailAddress>
   <registerDate>2011-07-18T10:30:00.000+0900</registerDate>
   <deleteDate></deleteDate>
  </tenant>
 </tenants>
</GetTenantsResponse>
```

Appendix A List of Response Status Error Codes(L-Platform APIs)

This appendix explains the response status error codes for the L-Platform APIs.

The following table lists the error codes displayed in the <responseStatus> tags in the responses to L-Platform API requests:

Error code	Description
ACCESS_NOT_PERMIT	Access is not permitted.
ALREADY_ATTACHED	The disk has already been attached.
ALREADY_AUTO_EXISTS	The server has already been delivered automatically.
ALREADY_DELETED	The server has already been removed.
ALREADY_DEPLOYED	The server has already been deployed.
ALREADY_DETACHED	The disk has already been detached.
ALREADY_RELEASED	The server has already been returned.
ALREADY_STARTED	The server has already been started.
ALREADY_STOPPED	The server has already been stopped.
AUTHORITY_ERROR	A permissions error has occurred.
DISK_NAME_ALREADY_EXISTS	The disk name already exists.
ERROR	An unexpected error has occurred.
ILLEGAL_ADDRESS	The address is invalid.
ILLEGAL_CLASS	The class is invalid.
ILLEGAL_CONDITION	The condition is invalid.
ILLEGAL_STATE	The status is invalid. The resource is not in a status in which it can execute processing.
ILLEGAL_SEGMENT_NUM	The number of segments is invalid.
ILLEGAL_TARGET	The target is invalid.
ILLEGAL_TYPE	The resource type is invalid.
ILLEGAL_VSYS_ID	The management function ID is invalid.
MAX_COUNT_OVER	The maximum number of L-Platform that can be converted to a private template has been exceeded.
NOT_FOUND	There is a version specification error. The specified version does not exist.
NOT_PRIVATE_ADDRESS	An address that is not class A, B or C has been specified.
OUT_OF_BOUNDS_ERROR	The maximum number of characters has been exceeded.
OVER_LIMIT_ERROR	The maximum number of virtual networks or virtual machines that can be deployed has been exceeded.
PARAM_VALUE_ERROR	There is an error with a parameter setting.
RESOURCE_NOT_FOUND	The resource does not exist.
SERVER_NAME_ALREADY_EXISTS	The server name already exists.
SERVER_RUNNING	The server is running.
SQL_ERROR	An SQL execution error has occurred.
SYSTEM_ERROR	A system error has occurred.
SYSTEM_LOCKED	The system is currently locked by another user.

Error code	Description
SYSTEM_NAME_ALREADY_EXISTS	The L-Platform name already exists.
VALIDATION_ERROR	A request parameter verification error has occurred.
VLAN_SET_ERROR	An error preparing for a console connection has occurred.
WARNING	A resource ID has not been allocated.

Appendix B List of Response Status Error Codes(Accounting APIs)

This appendix explains the response status error codes for the accounting APIs.

The following table lists the error codes displayed in the <responseStatus> tags in the responses to accounting API requests:

Error code	Description
PARAMETER_ERROR	A parameter error.
REQUEST_ERROR	A request error.
AUTHENTICATION_ERROR	An authentication error has occurred.
ALREADY_EXISTS	The data already exists.
NOT_FOUND	The data does not exist.
SYSTEM_ERROR	A system error.