

FUJITSU Software

ServerView Resource Orchestrator V3.4.0

A decorative horizontal band with a red-to-dark-red gradient, featuring abstract, glowing white and red lines that swirl and intersect, creating a sense of motion and technology.

Documentation Road Map

Windows/Linux

J2X1-7768-05ENZ0(03)
October 2020

Preface

Purpose of This Document

This manual explains the documentation road map for FUJITSU Software ServerView Resource Orchestrator (hereinafter Resource Orchestrator).

Intended Readers

This manual is for people who are reading the Resource Orchestrator manuals for the first time, and those who want information about the document conventions.

Structure of This Document

This manual is composed as follows:

[Chapter 1 Structure of the Manuals](#)

Explains the structure of the manuals for Resource Orchestrator.

[Chapter 2 How to Use the Manuals](#)

Explains how to use the manuals of Resource Orchestrator.

Web Site URLs

URLs provided as reference sources within the main text are correct as of October 2020.

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

[Red Hat Enterprise Linux]

Sections related to Red Hat Enterprise 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 (Solaris 10) and Solaris Zones (Solaris 11)

[Solaris Zones (Solaris 10)]

Sections related to Solaris Zones with Solaris 10 VM hosts

[Solaris Zones (Solaris 11)]

Sections related to Solaris Zones with Solaris 11 VM hosts

[OVM for x86]

Sections related to Oracle VM Server for x86 2.2 and Oracle VM Server for x86 3.x

[OVM for x86 2.2]

Sections related to Oracle VM Server for x86 2.2

[OVM for x86 3.x]

Sections related to Oracle VM Server for x86 3.2 and Oracle VM Server for x86 3.3

[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

[Trend Micro OfficeScan]

Sections related to Trend Micro OfficeScan

[Symantec]

Sections related to Symantec Endpoint Protection

[McAfee]

Sections related to McAfee ePolicy Orchestrator

- 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 M12.
 - SPARC M12-1/M12-2/M12-2S
- In Resource Orchestrator, the following servers are referred to as SPARC M10.

- SPARC M10-1/M10-4/M10-4S
- Fujitsu SPARC M12 is the product name used for SPARC M12 when they are sold outside Japan.
- Fujitsu M10 is the product name used for SPARC M10 when they are sold outside Japan.
- In this manual, Fujitsu SPARC M12 is referred to as SPARC M12.
- In this manual, Fujitsu M10 is referred to as SPARC M10.
- In this manual, Fujitsu SPARC M12 and Fujitsu M10 are collectively referred to as SPARC M10/M12.
- In Resource Orchestrator, the following software is referred to as GLS.
 - PRIMECLUSTER GLS 4.4 or earlier
- In Resource Orchestrator, the following software is referred to as GDS.
 - PRIMECLUSTER GDS 4.4 or earlier
- References and character strings or values requiring emphasis are indicated using double quotes (").
- GUI items are shown enclosed by 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 "#".
- When using Resource Orchestrator on Windows 8 and Windows Server 2012, 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 or Windows Server 2012, take explanations regarding the [Start] menu as indicating the [Apps] screen. The [Apps] screen can be displayed by right-clicking on the [Start] screen and then right-clicking [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.

[Virtual Edition]

- When using Windows 64-bit (x64)
C:\Program Files (x86)\Resource Orchestrator
- When using Windows 32-bit (x86)
C:\Program Files\Resource Orchestrator

[Cloud Edition]

C:\Program Files (x86)\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 use in this manual.

Category

Abbreviation

- Products

Windows

Windows

- Microsoft(R) Windows Server(R) 2012 Standard
- Microsoft(R) Windows Server(R) 2012 Datacenter
- Microsoft(R) Windows Server(R) 2012 R2 Essentials
- Microsoft(R) Windows Server(R) 2012 R2 Standard
- Microsoft(R) Windows Server(R) 2012 R2 Datacenter
- Microsoft(R) Windows Server(R) 2016 Standard
- Microsoft(R) Windows Server(R) 2016 Datacenter
- Microsoft(R) Windows Server(R) 2019 Standard
- Microsoft(R) Windows Server(R) 2019 Datacenter
- Windows(R) 7 Professional
- Windows(R) 7 Ultimate
- Windows(R) 8.1 Pro
- Windows(R) 8.1 Enterprise
- Windows(R) 10 Pro
- Windows(R) 10 Enterprise

Windows Server 2012

- Microsoft(R) Windows Server(R) 2012 Standard
- Microsoft(R) Windows Server(R) 2012 Datacenter
- Microsoft(R) Windows Server(R) 2012 R2 Essentials
- Microsoft(R) Windows Server(R) 2012 R2 Standard
- Microsoft(R) Windows Server(R) 2012 R2 Datacenter

Windows Server 2016

- Microsoft(R) Windows Server(R) 2016 Standard
- Microsoft(R) Windows Server(R) 2016 Datacenter

Windows Server 2019

- Microsoft(R) Windows Server(R) 2019 Standard
- Microsoft(R) Windows Server(R) 2019 Datacenter

Windows PE

- Microsoft(R) Windows(R) Preinstallation Environment

Windows 7

- Windows(R) 7 Professional
- Windows(R) 7 Ultimate

Windows 8.1

- Windows(R) 8.1 Pro
- Windows(R) 8.1 Enterprise

Windows 10

- Windows(R) 10 Pro
- Windows(R) 10 Enterprise

DOS

- Microsoft(R) MS-DOS(R) operating system, DR DOS(R)

MSFC

- Microsoft(R) Windows Server(R) 2012 Standard Failover Cluster
- Microsoft(R) Windows Server(R) 2012 Datacenter Failover Cluster

SCVMM

- Microsoft(R) System Center 2012 Virtual Machine Manager
- Microsoft(R) System Center 2012 R2 Virtual Machine Manager
- Microsoft(R) System Center 2016 Virtual Machine Manager

Linux

Linux

- Red Hat(R) Enterprise Linux(R) 6.0 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.0 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 6.1 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.1 (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(R) Enterprise Linux(R) 6.6 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.6 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 6.7 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.7 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 6.8 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.8 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 6.9 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.9 (for Intel64)

- Red Hat(R) Enterprise Linux(R) 6.10 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.10 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 7.0 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 7.1 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 7.2 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 7.4 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 7.5 (for Intel64)
- SUSE(R) Linux Enterprise Server 10 Service Pack 2 for x86
- SUSE(R) Linux Enterprise Server 10 Service Pack 2 for AMD64 & Intel64
- SUSE(R) Linux Enterprise Server 10 Service Pack 3 for x86
- SUSE(R) Linux Enterprise Server 10 Service Pack 3 for AMD64 & Intel64
- SUSE(R) Linux Enterprise Server 11 for x86
- SUSE(R) Linux Enterprise Server 11 for AMD64 & Intel64
- SUSE(R) Linux Enterprise Server 11 Service Pack 1 for x86
- SUSE(R) Linux Enterprise Server 11 Service Pack 1 for AMD64 & Intel64
- Oracle Enterprise Linux Release 6.7 for x86 (32-bit)
- Oracle Enterprise Linux Release 6.7 for x86_64 (64-bit)
- Oracle Enterprise Linux Release 7.2 for x86 (32-bit)
- Oracle Enterprise Linux Release 7.2 for x86_64 (64-bit)

Red Hat Enterprise Linux

- Red Hat(R) Enterprise Linux(R) 6.0 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.0 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 6.1 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.1 (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(R) Enterprise Linux(R) 6.6 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.6 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 6.7 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.7 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 6.8 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.8 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 6.9 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.9 (for Intel64)

- Red Hat(R) Enterprise Linux(R) 6.10 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.10 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 7.0 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 7.1 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 7.2 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 7.4 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 7.5 (for Intel64)

Red Hat Enterprise Linux 6

- Red Hat(R) Enterprise Linux(R) 6.0 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.0 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 6.1 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.1 (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(R) Enterprise Linux(R) 6.6 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.6 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 6.7 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.7 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 6.8 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.8 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 6.9 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.9 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 6.10 (for x86)
- Red Hat(R) Enterprise Linux(R) 6.10 (for Intel64)

Red Hat Enterprise Linux 7

- Red Hat(R) Enterprise Linux(R) 7.0 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 7.1 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 7.2 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 7.4 (for Intel64)
- Red Hat(R) Enterprise Linux(R) 7.5 (for Intel64)

SUSE Linux Enterprise Server

- SUSE(R) Linux Enterprise Server 10 Service Pack 2 for x86
- SUSE(R) Linux Enterprise Server 10 Service Pack 2 for AMD64 & Intel64
- SUSE(R) Linux Enterprise Server 10 Service Pack 3 for x86

- SUSE(R) Linux Enterprise Server 10 Service Pack 3 for AMD64 & Intel64
- SUSE(R) Linux Enterprise Server 11 for x86
- SUSE(R) Linux Enterprise Server 11 for AMD64 & Intel64
- SUSE(R) Linux Enterprise Server 11 Service Pack 1 for x86
- SUSE(R) Linux Enterprise Server 11 Service Pack 1 for AMD64 & Intel64

Oracle Enterprise Linux

- Oracle Enterprise Linux Release 6.7 for x86 (32-bit)
- Oracle Enterprise Linux Release 6.7 for x86_64 (64-bit)
- Oracle Enterprise Linux Release 7.2 for x86 (32-bit)
- Oracle Enterprise Linux Release 7.2 for x86_64 (64-bit)

KVM

RHEL-KVM

- Red Hat(R) Enterprise Linux(R) 6.1 (for x86) Virtual Machine Function
- Red Hat(R) Enterprise Linux(R) 6.1 (for Intel64) Virtual Machine Function
- 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
- Red Hat(R) Enterprise Linux(R) 6.6 (for x86) Virtual Machine Function
- Red Hat(R) Enterprise Linux(R) 6.6 (for Intel64) Virtual Machine Function
- Red Hat(R) Enterprise Linux(R) 6.7 (for x86) Virtual Machine Function
- Red Hat(R) Enterprise Linux(R) 6.7 (for Intel64) Virtual Machine Function
- Red Hat(R) Enterprise Linux(R) 6.8 (for x86) Virtual Machine Function
- Red Hat(R) Enterprise Linux(R) 6.8 (for Intel64) Virtual Machine Function

Xen

Xen

- Citrix XenServer(R) 5.5
- Citrix Essentials(TM) for XenServer 5.5, Enterprise Edition
- Citrix XenServer(R) 6.0
- Citrix Essentials(TM) for XenServer 6.0, Enterprise Edition

Citrix

Citrix XenServer

- Citrix XenServer(R) 6.0
- Citrix XenServer(R) 6.0.2
- Citrix XenServer(R) 6.1.0
- Citrix XenServer(R) 6.2.0

- Citrix XenServer(R) 7.1 LTSR
- Citrix XenServer(R) 7.2
- Citrix Hypervisor(R)

XenServer 6

- Citrix XenServer(R) 6.0
- Citrix Essentials(TM) for XenServer 6.0, Enterprise Edition

Citrix XenApp

- Citrix XenApp(R)
- Citrix Virtual Apps(R)

Citrix XenDesktop

- Citrix XenDesktop(R)
- Citrix Virtual Apps and Desktops(R)

Oracle Solaris

Solaris

- Oracle Solaris 10 05/09 (Update7)
- Oracle Solaris 11 11/11
- Oracle Solaris 11.1
- Oracle Solaris 11.2
- Oracle Solaris 11.3

Oracle VM

OVM for x86 2.2

- Oracle(R) VM Server for x86 2.2

OVM for x86 3.x

OVM for x86 3.2

- Oracle VM Server for x86 v3.2.x

OVM for x86 3.3

- Oracle VM Server for x86 v3.3.x

OVM for SPARC

- Oracle(R) VM Server for SPARC

Oracle VM Manager

- Oracle(R) VM Manager

EMC

Navisphere

- EMC Navisphere Manager

Solutions Enabler

- EMC Solutions Enabler

VMware

VMware vSphere or vSphere

- VMware vSphere(R) 4
- VMware vSphere(R) 4.1

- VMware vSphere(R) 5
- VMware vSphere(R) 5.1
- VMware vSphere(R) 5.5
- VMware vSphere(R) 6
- VMware vSphere(R) 6.5
- VMware vSphere(R) 6.7

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 ESXi 6.0

- VMware(R) ESXi(TM) 6.0

VMware ESXi 6.5

- VMware(R) ESXi(TM) 6.5

VMware ESXi 6.7

- VMware(R) ESXi(TM) 6.7

VMware Infrastructure Client

- VMware(R) Infrastructure Client

VMware Tools

- VMware(R) Tools

VMware vSphere 4.0 or vSphere 4.0

- VMware vSphere(R) 4.0

VMware vSphere 4.1 or vSphere 4.1

- VMware vSphere(R) 4.1

VMware vSphere 5 or vSphere 5

- VMware vSphere(R) 5

VMware vSphere 5.1 or vSphere 5.1

- VMware vSphere(R) 5.1

VMware vSphere 5.5 or vSphere 5.5

- VMware vSphere(R) 5.5

VMware vSphere 6.0 or vSphere 6.0

- VMware vSphere(R) 6.0

VMware vSphere 6.5 or vSphere 6.5

- VMware vSphere(R) 6.5

VMware vSphere 6.7 or vSphere 6.7

- VMware vSphere(R) 6.7

VMware vSphere Client or vSphere Client

- VMware vSphere(R) Client

VMware vCenter Server or vCenter Server

- VMware(R) vCenter(TM) Server

VMware vCenter Server Appliance or vCenter Server Appliance

- VMware(R) vCenter(TM) Server Appliance(TM)

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 Storage VMotion

- VMware(R) Storage VMotion

VMware vDS

- VMware(R) vNetwork Distributed Switch

VMware Horizon View

- VMware Horizon View 5.2.x
- VMware Horizon View 5.3.x
- VMware Horizon 6.0 (with View)

VMware VSAN or VSAN

- VMware(R) Virtual SAN(TM)

VMware vSphere Web Client or vSphere Web Client

- VMware vSphere(R) Web Client

VMware NSX

- VMware NSX(R)
- VMware NSX(R) for vSphere(R)
- VMware NSX(R) for vSphere(R) 6.3

VMware NSX Controller or NSX Controller

- VMware NSX(R) Controller(TM)

VMware NSX Edge or NSX Edge

- VMware NSX(R) Edge(TM)

VMware NSX Manager or NSX Manager

- VMware NSX(R) Manager(TM)

Excel

Excel

- Microsoft(R) Office Excel(R) 2007
- Microsoft(R) Office Excel(R) 2010
- Microsoft(R) Office Excel(R) 2013

Excel 2007

- Microsoft(R) Office Excel(R) 2007

Excel 2010

- Microsoft(R) Office Excel(R) 2010

Excel 2013

- Microsoft(R) Office Excel(R) 2013

Browsers

Internet Explorer

- Windows(R) Internet Explorer(R) 9
- Internet Explorer(R) 10
- Internet Explorer(R) 11

Firefox

- Firefox(R)

Antivirus Software

OfficeScan

- Trend Micro OfficeScan

McAfee ePolicy Orchestrator

- McAfee(R) ePolicy Orchestrator(R)

McAfee ePO

- McAfee(R) ePolicy Orchestrator(R)

McAfee Agent

- McAfee(R) Agent

McAfee Endpoint Security

- McAfee(R) Endpoint Security

Symantec Endpoint Protection

- Symantec(TM) Endpoint Protection

Symantec Endpoint Protection Manager

- Symantec(TM) Endpoint Protection Manager

BMC

BladeLogic

- BMC BladeLogic Server Automation

ETERNUS

ESC

- ETERNUS SF Storage Cruiser

ServerView

ServerView Agent

- ServerView SNMP Agents for MS Windows (32-bit and 64-bit)
- ServerView Agents Linux
- ServerView Agents VMware for VMware ESX Server

VIOM

- ServerView Virtual-IO Manager

ISM

- ServerView Infrastructure Manager
- Infrastructure Manager

SVOM

- ServerView Operations Manager

SVFAB

- ServerView Fabric Manager

RCVE

- ServerView Resource Coordinator VE

ROR

- FUJITSU Software ServerView Resource Orchestrator

ROR VE

- FUJITSU Software ServerView Resource Orchestrator Virtual Edition

ROR CE

- FUJITSU Software ServerView Resource Orchestrator Cloud Edition

Resource Coordinator

- Systemwalker Resource Coordinator
- Systemwalker Resource Coordinator Virtual server Edition

Resource Coordinator VE

- ServerView Resource Coordinator VE
- Systemwalker Resource Coordinator Virtual server Edition

Resource Orchestrator

- FUJITSU Software ServerView Resource Orchestrator

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Revision History

Month/Year Issued, Edition	Manual Code
June 2013, Edition 1.0	J2X1-7768-01ENZ0(00)
August 2013, Edition 1.1	J2X1-7768-01ENZ0(01)
December 2013, Edition 2.0	J2X1-7768-02ENZ0(00)
June 2014, Edition 2.1	J2X1-7768-02ENZ0(01)
April 2015, Edition 3.0	J2X1-7768-03ENZ0(00)
July 2015, Edition 3.1	J2X1-7768-03ENZ0(01)
December 2015, Edition 3.2	J2X1-7768-03ENZ0(02)
January 2016, Edition 3.3	J2X1-7768-03ENZ0(03)
June 2016, Edition 3.4	J2X1-7768-03ENZ0(04)
September 2016, Edition 3.5	J2X1-7768-03ENZ0(05)
December 2016, Edition 3.6	J2X1-7768-03ENZ0(06)
February 2017, Edition 3.7	J2X1-7768-03ENZ0(07)
April 2017, Edition 4.0	J2X1-7768-04ENZ0(00)
May 2017, Edition 4.1	J2X1-7768-04ENZ0(01)
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December 2018, Edition 5.2	J2X1-7768-05ENZ0(02)
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Chapter 1 Structure of the Manuals

This chapter explains the structure of the manuals for Resource Orchestrator.

The target product of this document is as follows.

- FUJITSU Software ServerView Resource Orchestrator V3.4.0

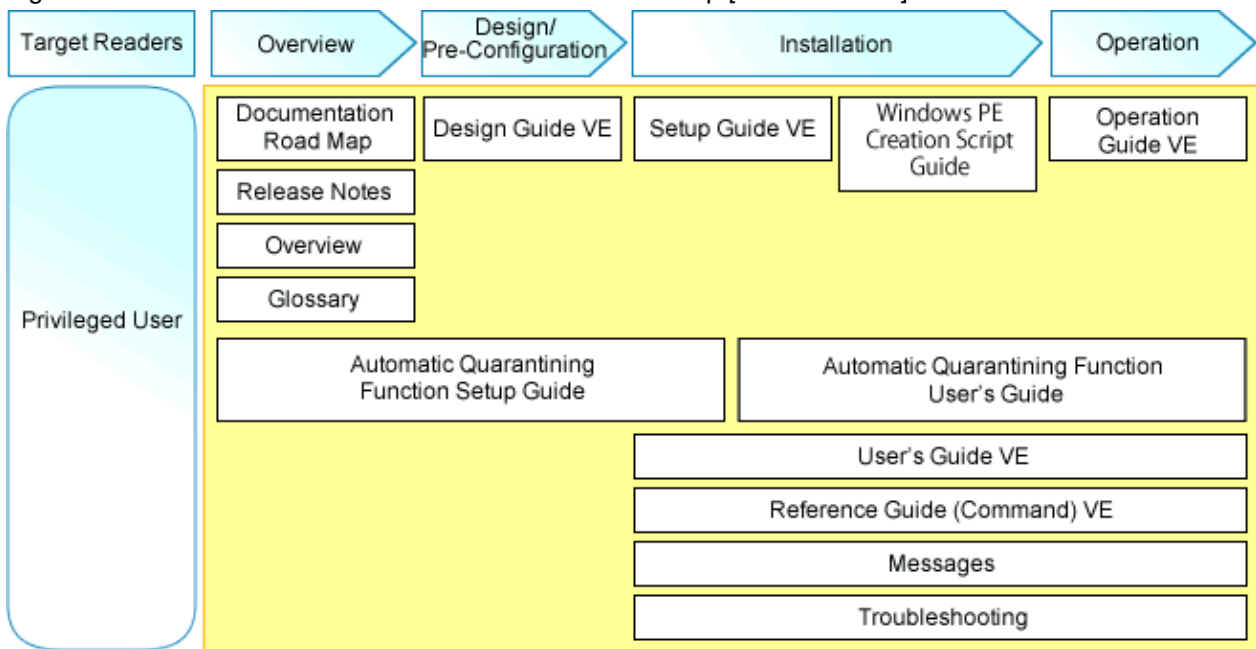
Intended Users [Virtual Edition]

ServerView Resource Orchestrator Virtual Edition users are privileged users. Privileged users can perform all operations on resources.

Resource Orchestrator Documentation Road Map [Virtual Edition]

The documentation road map for Resource Orchestrator is as shown below.

Figure 1.1 Resource Orchestrator Documentation Road Map [Virtual Edition]



Intended Users [Cloud Edition]

The users who perform setup and operations of infrastructure operation platforms using FUJITSU Software ServerView Resource Orchestrator Cloud Edition are shown below.

For details on the roles of Resource Orchestrator users, refer to "Chapter 4 User Roles in Resource Orchestrator [Cloud Edition]" in the "Overview".

Table 1.1 Users

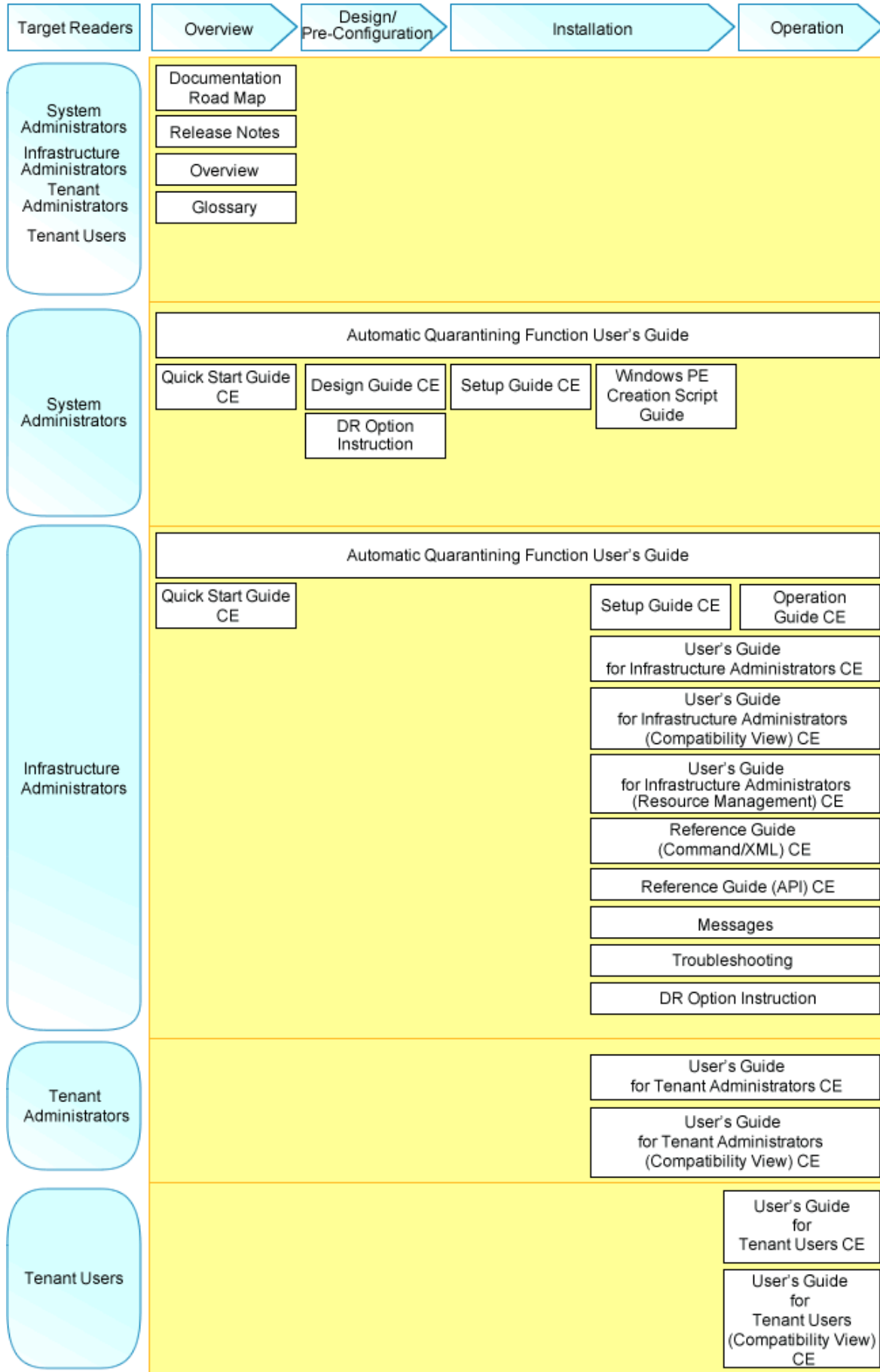
Department	Users	Overview
Service user department	Tenant user	A person who performs configuration, operation, or maintenance of business systems. Systems are configured on an allocated logical platform (L-Platform).
	Tenant administrator	The manager of a service user department which performs configuration, operation, and maintenance of a logical platform (L-Platform). They manage tenant users and logical platforms (L-Platforms).
Service provider department	Infrastructure Administrator	A manager of a service provision department which performs configuration,

Department	Users	Overview
		operation, and maintenance of an entire infrastructure. Logical platforms (L-Platform) are allocated according to requests from service user departments.
	System Administrators	A system administrator who manages the entire system. They install Resource Orchestrator and configure the necessary settings. OS administrator privileges are required for these operations. Normally the roles of the infrastructure administrator and system administrator are performed concurrently.

Resource Orchestrator Documentation Road Map [Cloud Edition]

The documentation road map for Resource Orchestrator is as shown below.

Figure 1.2 Resource Orchestrator Documentation Road Map [Cloud Edition]



Roles not in the Figure

For roles that are not shown in the figure, refer to the manuals for the roles given in the following table.

Roles not in the Figure	Roles in the Figure
Infrastructure operator Infrastructure monitor	Infrastructure administrator
Tenant operator Tenant monitor	Tenant administrator
(Dual-role) administrator (Dual-role) operator (Dual-role) monitor	Infrastructure and tenant administrators

1.1 Manuals

The following manuals are provided with Resource Orchestrator. Please refer to them when necessary.

Common to all Editions

The following manuals are common to all editions of Resource Orchestrator.

Table 1.2 Manual Name, Abbreviated Form, and Purpose [Common to all editions]

Manual Name	Abbreviated Form	Purpose
FUJITSU Software ServerView Resource Orchestrator V3.4.0 Documentation Road Map	Documentation Road Map	Please read this first. Read this when you want to know which manuals to read and in which order.
FUJITSU Software ServerView Resource Orchestrator V3.4.0 Release Notes	Release Notes	Explains the overview, content, and details (reference locations in the manuals) of functions added from FUJITSU Software ServerView Resource Orchestrator V3.4.0.
FUJITSU Software ServerView Resource Orchestrator V3.4.0 Overview	Overview	Read this when you want an overview and to get the basic knowledge required for operation and use of ServerView Resource Orchestrator.
FUJITSU Software ServerView Resource Orchestrator V3.4.0 Messages	Messages	Read this when you want detailed information about the corrective actions for displayed messages.
FUJITSU Software ServerView Resource Orchestrator V3.4.0 Troubleshooting	Troubleshooting	Read this when you want information about Troubleshooting.
FUJITSU Software ServerView Resource Orchestrator V3.4.0 Glossary	Glossary	Read this when you want to learn the meanings of the terms used in Resource Orchestrator.
FUJITSU Software ServerView Resource Orchestrator V3.4.0 Windows PE Creation Script Guide	Windows PE Creation Script Guide	Read this when using the script to create Windows PE.

Virtual Edition

The following manuals are provided with Virtual Edition.

Table 1.3 Manual Name, Abbreviated Form, and Purpose [Virtual Edition]

Manual Name	Abbreviated Form	Purpose
FUJITSU Software ServerView Resource Orchestrator Virtual Edition V3.4.0 Design Guide	Design Guide VE	Read this when you want information about the purposes and uses of basic functions, and how to design systems using Resource Orchestrator.
FUJITSU Software ServerView Resource Orchestrator Virtual Edition V3.4.0 Setup Guide	Setup Guide VE	Read this when you want information about how to install Resource Orchestrator.
FUJITSU Software ServerView Resource Orchestrator Virtual Edition V3.4.0 Operation Guide	Operation Guide VE	Read this when you want information about how to operate systems that you have configured.
FUJITSU Software ServerView Resource Orchestrator Virtual Edition V3.4.0 User's Guide	User's Guide VE	Read this when you want information about how to operate the GUI.
FUJITSU Software ServerView Resource Orchestrator Virtual Edition V3.4.0 Reference Guide (Command)	Reference Guide (Command) VE	Read this when you want information about how to use commands.

Cloud Edition

The following manuals are provided with Cloud Edition.

In some cases, this manual may ask you to refer to the Virtual Edition manuals.

Please refer to them when necessary.

Table 1.4 Manual Name, Abbreviated Form, and Purpose [Cloud Edition]

Manual Name	Abbreviated Form	Purpose
FUJITSU Software ServerView Resource Orchestrator Cloud Edition V3.4.0 Quick Start Guide	Quick Start Guide CE	Read this when you want information about how to set up Resource Orchestrator.
FUJITSU Software ServerView Resource Orchestrator Cloud Edition V3.4.0 Design Guide	Design Guide CE	Read this when you want information about the purposes and uses of basic functions, and how to design systems using Resource Orchestrator.
FUJITSU Software ServerView Resource Orchestrator Cloud Edition V3.4.0 Setup Guide	Setup Guide CE	Read this when you want information about how to install Resource Orchestrator.
FUJITSU Software ServerView Resource Orchestrator Cloud Edition V3.4.0 Operation Guide	Operation Guide CE	Read this when you want information about how to operate systems that you have configured.
FUJITSU Software ServerView Resource Orchestrator Cloud Edition V3.4.0 User's Guide for Infrastructure Administrators	User's Guide for Infrastructure Administrators CE	For infrastructure administrators and dual-role administrators, refer to these contents to use HTML5 compatible ROR console(except [Resources] tab).
FUJITSU Software ServerView Resource Orchestrator Cloud Edition V3.4.0 User's Guide for Infrastructure Administrators (Resource Management)	User's Guide for Infrastructure Administrators (Resource Management) CE	Read this when you want information about how to operate the [Resources] tab of the GUI used by infrastructure administrators and dual-role administrators.
FUJITSU Software ServerView Resource Orchestrator Cloud Edition V3.4.0 User's Guide for Tenant Administrators	User's Guide for Tenant Administrators CE	For tenant administrators, refer to these contents to use HTML5 compatible ROR console.

Manual Name	Abbreviated Form	Purpose
FUJITSU Software ServerView Resource Orchestrator Cloud Edition V3.4.0 User's Guide for Tenant Users	User's Guide for Tenant Users CE	For tenant users, refer to these contents to use HTML5 compatible ROR console.
FUJITSU Software ServerView Resource Orchestrator Cloud Edition V3.4.0 Reference Guide (Command/XML)	Reference Guide (Command/XML) CE	Read this when you want information about the XML files and the commands used by infrastructure administrators and dual-role administrators for resource management operations.
FUJITSU Software ServerView Resource Orchestrator Virtual Edition V3.4.0 Reference Guide (API)	Reference Guide (API) CE	Read this when you want information about the APIs used by infrastructure administrators and dual-role administrators.
FUJITSU Software ServerView Resource Orchestrator V3.4.0 DR Option Instruction	DR Option Instruction	Read this when you install FUJITSU Software ServerView Resource Orchestrator DR Option (hereinafter DR Option).
FUJITSU Software ServerView Resource Orchestrator Cloud Edition V3.4.0 [VMware] VMware NSX Usage Guide	VMware NSX Usage Guide	Read this when using VMware NSX in a virtual L-Server (VMware) environment managed using Resource Orchestrator.
FUJITSU Software ServerView Resource Orchestrator Cloud Edition V3.4.0 User's Guide for Infrastructure Administrators (Compatibility View)	User's Guide for Infrastructure Administrators (Compatibility View) CE	For infrastructure administrators and dual-role administrators, refer to these contents to use Flash-based ROR console(except [Resources] tab).
FUJITSU Software ServerView Resource Orchestrator Cloud Edition V3.4.0 User's Guide for Tenant Administrators (Compatibility View)	User's Guide for Tenant Administrators (Compatibility View) CE	For tenant administrators, refer to these contents to use Flash-based ROR console.
FUJITSU Software ServerView Resource Orchestrator Cloud Edition V3.4.0 User's Guide for Tenant Users (Compatibility View)	User's Guide for Tenant Users (Compatibility View) CE	For tenant users, refer to these contents to use Flash-based ROR console.

[Windows Manager]

The Automatic Quarantining Function is provided as a function for Windows manager.

Refer to the following manuals for information on the Automatic Quarantining Function.

Table 1.5 Manual Name, Abbreviated Form, and Purpose [Virtual Edition]

Manual Name	Abbreviated Form	Purpose
FUJITSU Software ServerView Resource Orchestrator Virtual Edition V3.4.0 [VMware] Automatic Quarantining Function Setup Guide [Windows Manager]	[VMware] Automatic Quarantining Function Setup Guide	Read this when you want to know how to install and configure the function that transfers L-Servers on which viruses or malware have been detected to the quarantine network and recovers quarantined L-Servers, in an L-Server (VMware) environment managed using Resource Orchestrator.
FUJITSU Software ServerView Resource Orchestrator Virtual Edition V3.4.0 [Hyper-V] Automatic Quarantining Function Setup Guide [Windows Manager]	[Hyper-V] Automatic Quarantining Function Setup Guide	Read this when you want to know how to install and configure the function that transfers L-Servers on which viruses or malware have been detected to the quarantine network and recovers quarantined L-Servers, in an L-Server

Manual Name	Abbreviated Form	Purpose
		(Hyper-V) environment managed using Resource Orchestrator.
FUJITSU Software ServerView Resource Orchestrator Virtual Edition V3.4.0 [Citrix Xen] Automatic Quarantining Function Setup Guide [Windows Manager]	[Citrix Xen] Automatic Quarantining Function Setup Guide	Read this when you want to know how to install and configure the function that transfers L-Servers on which viruses or malware have been detected to the quarantine network and recovers quarantined L-Servers, in an L-Server (Citrix Xen) environment managed using Resource Orchestrator.

Table 1.6 Manual Name, Abbreviated Form, and Purpose [Virtual Edition] [Cloud Edition]

Manual Name	Abbreviated Form	Purpose
FUJITSU Software ServerView Resource Orchestrator V3.4.0 Automatic Quarantining Function User's Guide	Automatic Quarantining Function User's Guide	Read this when transferring L-Servers on which viruses or malware have been detected to the quarantine network, and when recovering quarantined L-Servers, in an L-Server environment managed using Resource Orchestrator.

1.2 Help

The Resource Orchestrator Help can be displayed using the Help menu or the Help button.

For the operation procedure and details for entry in the individual windows, refer to the Help.

Chapter 2 How to Use the Manuals

This chapter explains how to use the manuals of Resource Orchestrator.

2.1 Guidelines for Use of the Manuals

This section explains the guidelines for use of the manuals based on the user's purpose.



shows which manuals to read and the order to read them in.

2.1.1 Overview

Understanding Resource Orchestrator

Figure 2.1 Understanding Resource Orchestrator [Virtual Edition]

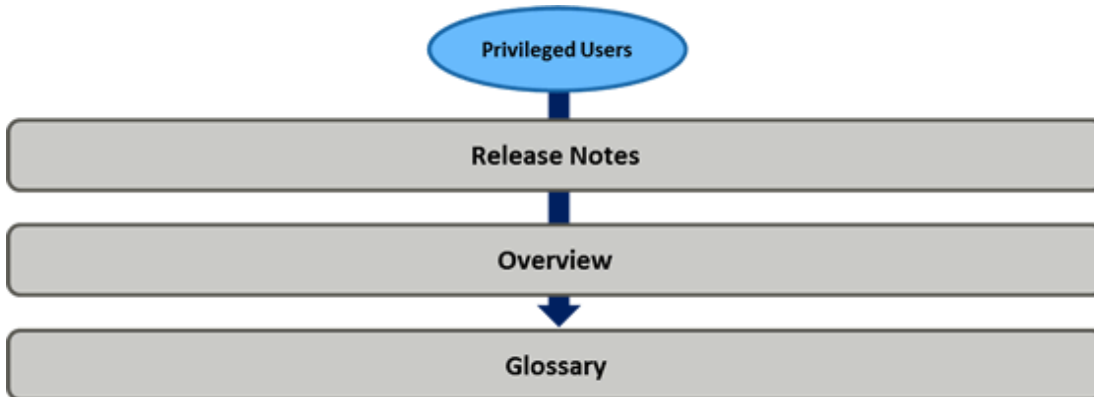


Figure 2.2 Understanding Resource Orchestrator [Cloud Edition]

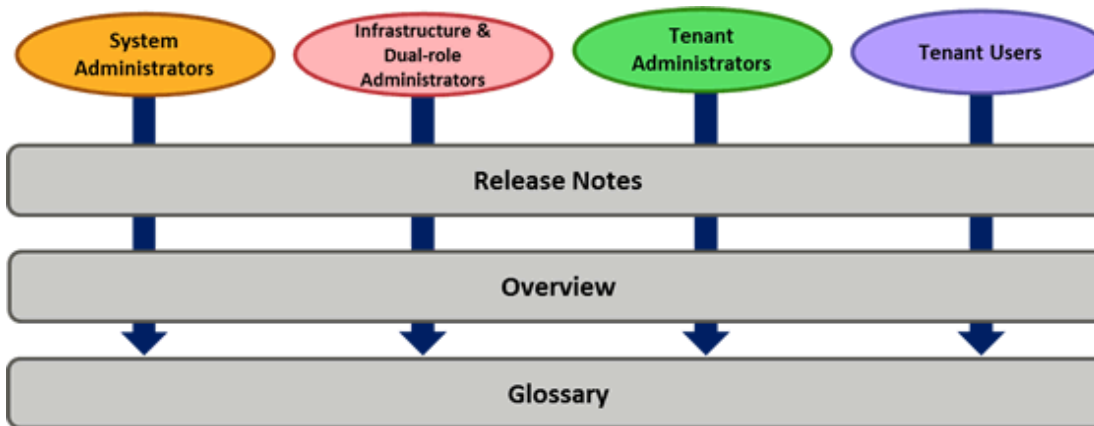


Table 2.1 Understanding Resource Orchestrator [Virtual Edition] [Cloud Edition]

Manual Name [Virtual Edition]	Manual Name [Cloud Edition]	Reader Tasks
Release Notes		- Learn about the functions added since the previous version
Overview		- Learn the functional overview of Resource Orchestrator
Glossary		- Learn the basic terms used in Resource Orchestrator

2.1.2 Design

Performing Design for Resource Orchestrator

Figure 2.3 Design for Resource Orchestrator [Virtual Edition]

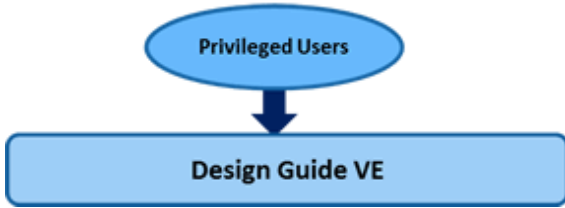


Figure 2.4 Design for Resource Orchestrator [Cloud Edition]

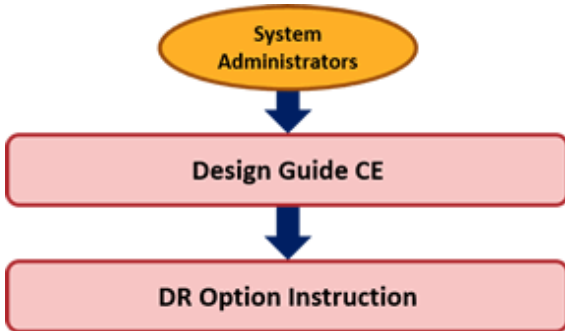


Table 2.2 Design for Resource Orchestrator

Manual Name [Virtual Edition]	Manual Name [Cloud Edition]	Reader Tasks
Design Guide VE	Design Guide CE	<ul style="list-style-type: none"> - Performing Design for Resource Orchestrator - Perform Resource Orchestrator pre-setup preparations before installation
-	DR Option Instruction	Design the environment using DR Option

2.1.3 Installation

Setting Up Resource Orchestrator

Figure 2.5 Setup of Resource Orchestrator [Virtual Edition]

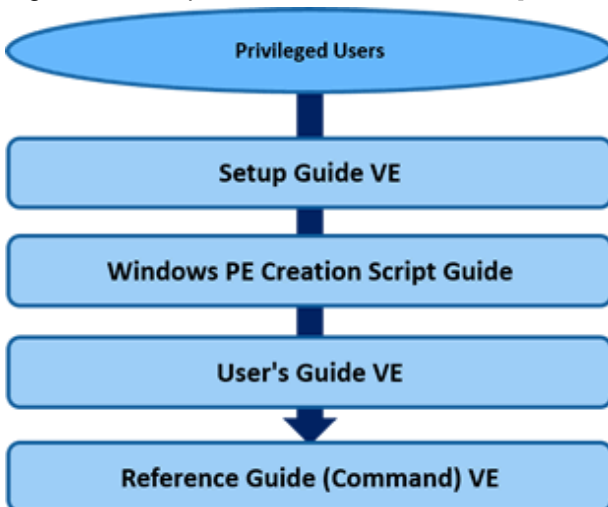


Table 2.3 Setup of Resource Orchestrator [Virtual Edition]

Manual Name [Virtual Edition]	Manual Name [Cloud Edition]	Reader Tasks
Setup Guide VE	-	<ul style="list-style-type: none"> - Learn the setup flow - Install/uninstall the admin server - Perform set up of the admin server - Perform setup of managed servers
Windows PE Creation Script Guide	-	Create a Windows PE
User's Guide VE	-	Perform operations on the [Resources] tab of the ROR console
Reference Guide (Command) VE	-	Learn how to use the commands provided by Resource Orchestrator

Figure 2.6 Setup of Resource Orchestrator [Cloud Edition]

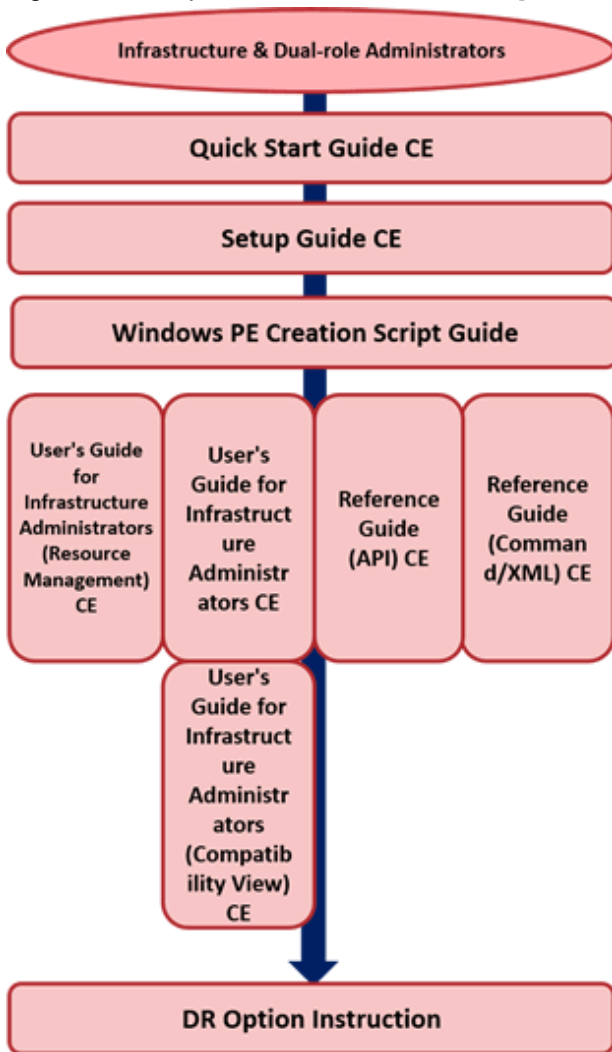


Table 2.4 Setup of Resource Orchestrator by System Administrators [Cloud Edition]

Manual Name [Virtual Edition]	Manual Name [Cloud Edition]	Reader Tasks
-	Quick Start Guide CE	Learn the setup flow
-	Setup Guide CE	<ul style="list-style-type: none"> - Learn the setup flow - Install/uninstall the admin server - Perform set up of the admin server

Manual Name [Virtual Edition]	Manual Name [Cloud Edition]	Reader Tasks
-	DR Option Instruction	Set up the environment using DR Option

Table 2.5 Setup of Resource Orchestrator by Infrastructure Administrators [Cloud Edition]

Manual Name [Virtual Edition]	Manual Name [Cloud Edition]	Reader Tasks
-	Quick Start Guide CE	Learn the setup flow
-	Setup Guide CE	- Learn the setup flow - Perform setup of managed servers
-	Windows PE Creation Script Guide	Create a Windows PE
-	User's Guide for Infrastructure Administrators (Resource Management) CE	Perform operations on the [Resources] tab of the ROR console
-	Reference Guide (Command/XML) CE	Learn how to use the commands provided by Resource Orchestrator
-	Reference Guide (API) CE	Learn how to use the APIs of Resource Orchestrator
-	User's Guide for Infrastructure Administrators CE User's Guide for Infrastructure Administrators (Compatibility View) CE	Perform operations on the following tabs of the ROR console: - Home - Dashboard (Pool Conditions) - Dashboard (System Conditions) - Dashboard (Capacity Planning) - Templates - L-Platform - Tenants - Usage Charges - Account
-	DR Option Instruction	Set up the environment using DR Option

2.1.4 Operation

Operating Resource Orchestrator

Figure 2.7 Operation of Resource Orchestrator [Virtual Edition]

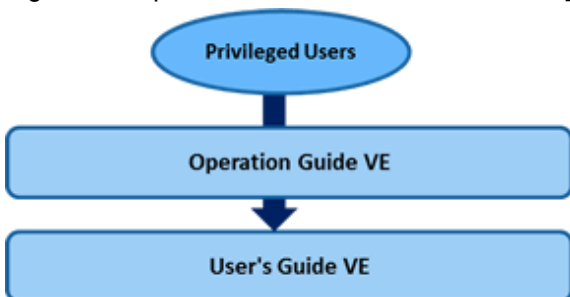


Table 2.6 Operation of Resource Orchestrator [Virtual Edition]

Manual Name [Virtual Edition]	Manual Name [Cloud Edition]	Reader Tasks
Operation Guide VE	-	Perform the following operations using Resource Orchestrator:

Manual Name [Virtual Edition]	Manual Name [Cloud Edition]	Reader Tasks
		<ul style="list-style-type: none"> - Monitor resources - Start and stop managers and agents - Manage user accounts
User's Guide VE	-	Perform operations on the following tabs of the ROR console: <ul style="list-style-type: none"> - Resource

Figure 2.8 Operation of Resource Orchestrator [Cloud Edition]

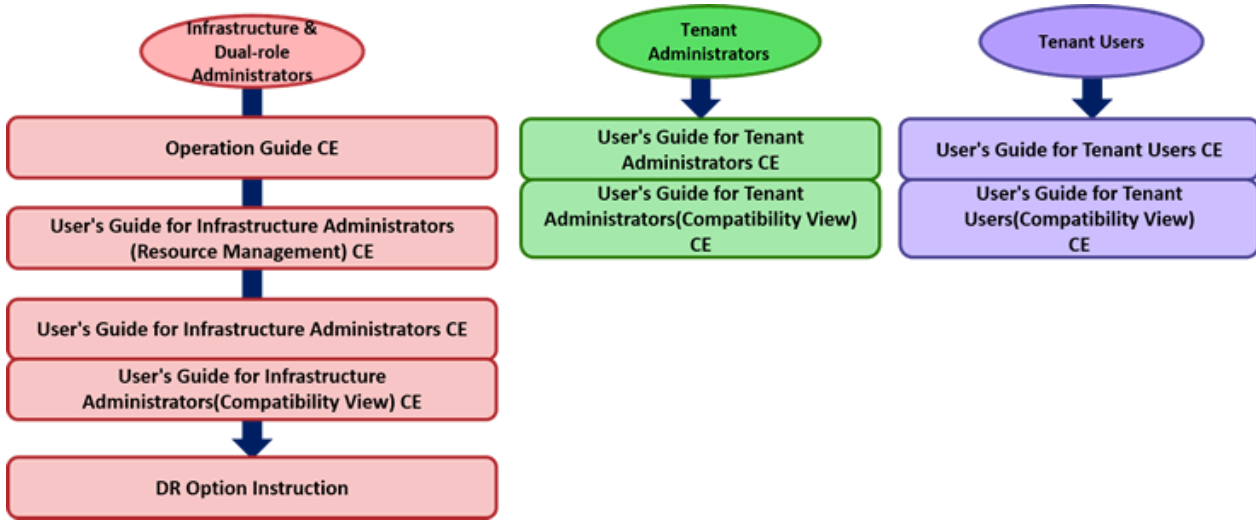


Table 2.7 Operation of Resource Orchestrator by Infrastructure Administrators [Cloud Edition]

Manual Name [Virtual Edition]	Manual Name [Cloud Edition]	Reader Tasks
-	Operation Guide CE	<ul style="list-style-type: none"> - Monitor resources - Start and stop managers and agents - Manage user accounts - Manage tenants - Manage templates - Manage resources and resource pools - Manage logical platforms (L-Platforms) - Monitor logical platforms (L-Platforms) - Change the settings - Monitor logs - Manage accounting information - Provide high availability of managed resources
-	User's Guide for Infrastructure Administrators CE User's Guide for Infrastructure Administrators (Compatibility View) CE	Perform operations on the following tabs of the ROR console: <ul style="list-style-type: none"> - Home - Dashboard (Pool Conditions) - Dashboard (System Conditions)

Manual Name [Virtual Edition]	Manual Name [Cloud Edition]	Reader Tasks
		<ul style="list-style-type: none"> - Dashboard (Capacity Planning) - Templates - L-Platform - Request - Tenants - Usage Charges - Account
-	User's Guide for Infrastructure Administrators (Resource Management) CE	Perform operations on the following tabs of the ROR console: <ul style="list-style-type: none"> - Resource
-	DR Option Instruction	Operate the Disaster Recovery environment using Resource Orchestrator

Table 2.8 Operation of Resource Orchestrator by Tenant Administrators [Cloud Edition]

Manual Name [Virtual Edition]	Manual Name [Cloud Edition]	Reader Tasks
-	User's Guide for Tenant Administrators CE User's Guide for Tenant Administrators (Compatibility View) CE	Perform operations on the following tabs of the ROR console: <ul style="list-style-type: none"> - Home - Dashboard (Pool Conditions) - Dashboard (System Conditions) - Dashboard (Capacity Planning) - Templates - L-Platform - Request - Tenants - Usage Charges - Account

Table 2.9 Operation of Resource Orchestrator by Tenant Users [Cloud Edition]

Manual Name [Virtual Edition]	Manual Name [Cloud Edition]	Reader Tasks
-	User's Guide for Tenant Users User's Guide for Tenant Users (Compatibility View) CE	Perform operations on the following tabs of the ROR console: <ul style="list-style-type: none"> - Home - System Conditions - L-Platform - Request - Account

2.1.5 Maintenance

Performing Maintenance of Resource Orchestrator

Figure 2.9 Maintenance of Resource Orchestrator [Virtual Edition]



Figure 2.10 Maintenance of Resource Orchestrator [Cloud Edition]

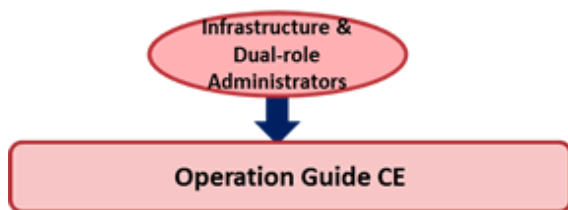


Table 2.10 Maintenance of Resource Orchestrator [Virtual Edition] [Cloud Edition]

Manual Name [Virtual Edition]	Manual Name [Cloud Edition]	Reader Tasks
Operation Guide VE	Operation Guide CE	Perform the following operations of Resource Orchestrator: <ul style="list-style-type: none"> - Starting and stopping Resource Orchestrator - Collect logs - Backup and restore - Hardware maintenance

2.1.6 Troubleshooting

Troubleshooting Problems in Resource Orchestrator

Figure 2.11 Troubleshooting Problems in Resource Orchestrator [Virtual Edition]

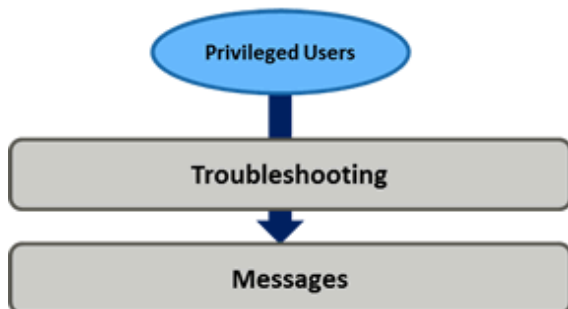


Figure 2.12 Maintenance of Resource Orchestrator [Cloud Edition]

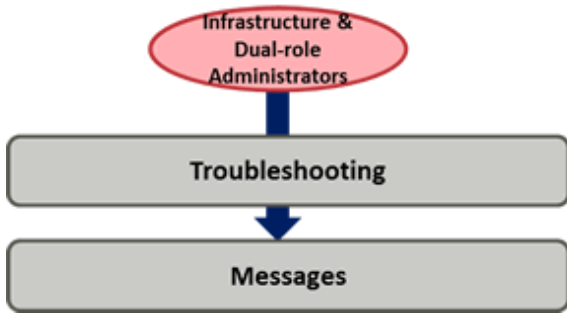


Table 2.11 Troubleshooting Problems in Resource Orchestrator [Virtual Edition] [Cloud Edition]

Manual Name [Virtual Edition]	Manual Name [Cloud Edition]	Reader Tasks
Troubleshooting		- Collect troubleshooting data
Messages		- Identify the cause of trouble and take corrective action

2.1.7 Quarantining L-Servers [Windows Manager]

Operate the automatic quarantining function for L-Servers

Figure 2.13 Using the Automatic Quarantining Function for L-Servers [Virtual Edition]

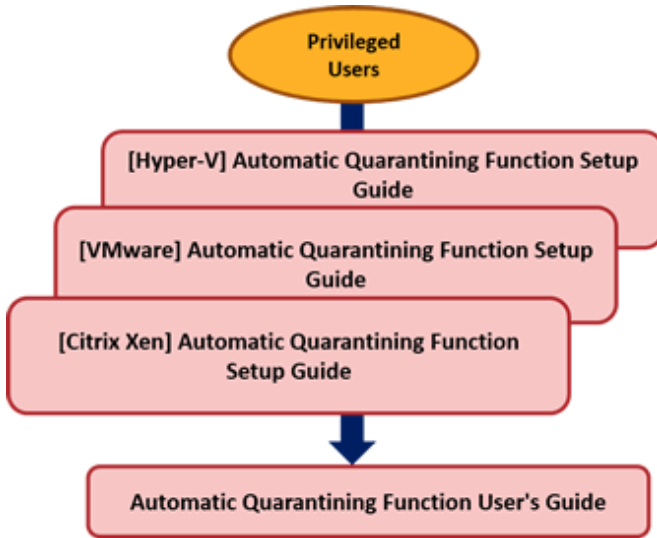


Table 2.12 Using the Automatic Quarantining Function for L-Servers [Virtual Edition]

Manual Name [Virtual Edition]	Reader Tasks
[VMware] Automatic Quarantining Function Setup Guide	Learn how to install and configure the automatic quarantining function for L-Servers (VMware)
[Hyper-V] Automatic Quarantining Function Setup Guide	Learn how to install and configure the automatic quarantining function for L-Servers (Hyper-V)
[Citrix Xen] Automatic Quarantining Function Setup Guide	Learn how to install and configure the automatic quarantining function for L-Servers (Citrix Xen)
Automatic Quarantining Function User's Guide	Operate the automatic quarantining function for L-Servers

Figure 2.14 Using the Automatic Quarantining Function for L-Servers [Cloud Edition]



Table 2.13 Using the Automatic Quarantining Function for L-Servers [Cloud Edition]

Manual Name [Cloud Edition]	Reader Tasks
Automatic Quarantining Function User's Guide	Operate the automatic quarantining function for L-Servers

2.1.8 VMware NSX

Using VMware NSX

Figure 2.15 Using VMware NSX [Cloud Edition]

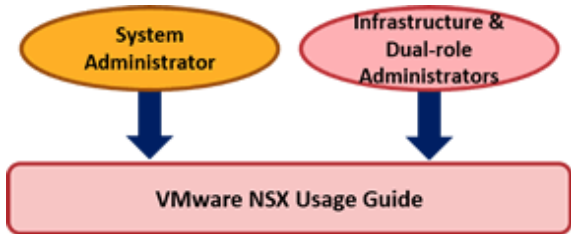


Table 2.14 Using VMware NSX [Cloud Edition]

Manual Name [Virtual Edition]	Manual Name [Cloud Edition]	Reader Tasks
-	VMware NSX Usage Guide	Use VMware NSX

2.2 Symbols Used in the Manuals

This section explains the symbols used in the Resource Orchestrator manuals. The following symbols are used in Resource Orchestrator.

Note

.....
 This symbol indicates points that require particular attention.

Point

.....
 This symbol indicates information that is helpful to know.

Information

.....
 This symbol indicates information that is helpful to know.

See

.....
 This symbol indicates a reference that provides important information.



Example

.....
This symbol indicates an example.
.....