

FUJITSU Software Systemwalker Software Configuration Manager

Glossary

Windows/Linux

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Preface

Purpose of this Document

This document explains the terms used in Systemwalker Software Configuration Manager.

Intended Readers

This document is intended for those who want to understand the Systemwalker Software Configuration Manager terminology.

It is assumed that readers of this document already have the following knowledge:

- Basic knowledge of the operating system being used

Conventions Used in this Document

Refer to *Documentation Road Map* for information on the names, abbreviations, and symbols used in this manual.

Abbreviations and Generic Terms Used for Operating Systems

This document uses the following abbreviations and generic terms to indicate operating systems.

Official name	Abbreviation	
Microsoft(R) Windows Server(R) 2012 Datacenter Microsoft(R) Windows Server(R) 2012 Standard	Windows Server 2012	Windows
Microsoft(R) Windows Server(R) 2012 R2 Datacenter Microsoft(R) Windows Server(R) 2012 R2 Standard	Windows Server 2012 R2	
Microsoft(R) Windows Server(R) 2008 Standard Microsoft(R) Windows Server(R) 2008 Standard without Hyper-V Microsoft(R) Windows Server(R) 2008 Enterprise Microsoft(R) Windows Server(R) 2008 Enterprise without Hyper-V	Windows Server 2008	
Microsoft(R) Windows Server(R) 2008 R2 Standard Microsoft(R) Windows Server(R) 2008 R2 Enterprise	Windows Server 2008 R2	
Red Hat(R) Enterprise Linux(R) (for x86)	RHEL (x86)	
Red Hat(R) Enterprise Linux(R) (for Intel64)	RHEL (Intel64)	
Oracle Solaris	Solaris Operating System Solaris OS	Solaris

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Issue Date and Version

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admin server

The server where Systemwalker Software Configuration Manager runs. The admin server is used to obtain information about the patch application status, and to collect and manage software configuration information.

automated operation process

The process definition that prescribes the procedure for the distribution/application of patches.

business server

A server from which software configuration information is collected and to which patches are applied.

cloud

An abstract expression referring to the full range of platform virtualization technologies, from servers through to applications.

cloud computing

A configuration that allows ICT resources to be accessed from anywhere via connected devices.

configuration baseline

The state of configuration items at the instant when the administrator confirmed that the information stored in the CMDB is correct. Configuration baselines are created using the snapshot function. Configuration baselines can be used as a guide for failback points. Systemwalker Software Configuration Manager provides the following functions that manipulate configuration items using configuration baselines:

- Searching for and displaying software configuration information for a certain point in time
- Comparing and contrasting the latest software configuration information with the software configuration information for a certain point in time
- Comparing and contrasting the software configuration information for two different points in time

configuration item (CI)

A configuration item that is required for system administration. It is registered and managed in the CMDB.

configuration management database (CMDB)

A database that handles information relating to system administration, such as information about which patches have been applied, and software configuration information. Configurations are managed by registering configuration items in the CMDB.

configuration modification template

A template that defines the process necessary for modifying software configuration information. When performing configuration modification, the process defined in the template is executed as a job.

data center

A facility that takes care of customer resources and provides maintenance and operation services, as well as a connection to the Internet.

discovery

The act of collecting software configuration information.

dual-role administrator

An administrator who holds both the role of infrastructure administrator and the role of tenant administrator.

information and communications technology (ICT)

A generic term relating to information and communications technology.

The hardware and software that make up a system are referred to as "ICT resources".

infrastructure administrator

A person who defines policies for patch management as well as releasing the patches obtained from Microsoft Windows Server Update Services (WSUS) and determining their required levels. The infrastructure administrator also obtains and registers patches for Linux operating systems and Fujitsu middleware.

The infrastructure administrator can use the management console to look up patch application status and software configuration information for all the servers in the center.

Internet terminal

A terminal that can be used to download the latest patches from the UpdateSite or vendor websites. An Internet terminal is required to manage patches for the Linux operating system or Fujitsu middleware.

job

An operation requested to Systemwalker Software Configuration Manager. Operations such as patch application, patch distribution, parameter setting, script execution, and configuration modification are executed as a series of jobs.

linkage server

Systemwalker Software Configuration Manager defines a repository server as a linkage server.

A repository server is used to download patches from vendor websites, and to distribute and apply these patches. This server is required to manage operating system patches.

L-Platform

In terminology for ServerView Resource Orchestrator, which is used with this product, a resource used for the consolidated operation and management of systems such as multi-tier systems (Web/AP/DB), comprised of multiple L-Servers, storage, and network devices.

L-Server

In terminology for ServerView Resource Orchestrator, which is used with this product, a resource that defines the logical specifications (number of CPUs, memory size, disk capacity, number of NICs, etc.) of the servers, and storage and network devices connected to those servers.

managed server

A general term for the servers that are managed by Systemwalker Software Configuration Manager. It refers to servers that are subject to patch management and software configuration parameters.

media library

A repository that manages the files used for configuration modification. A library that is used to manage Fujitsu middleware patches and software parameters. A media library stores assets or packages related to Fujitsu middleware patches.

non ROR-managed server

A server that has not been deployed by ServerView Resource Orchestrator Cloud Edition. This server type is not managed by ROR.

physical server

A server. Servers are referred to as "physical servers" when there is a need to clearly distinguish them from virtual servers.

private cloud

A configuration where a company constructs a cloud computing system within its private network, so that it can provide services to departments within the company and subsidiaries and so on. This kind of environment is also referred to as a "private cloud environment".

In contrast, configurations where services are provided to general users via the Internet are referred to as "public clouds".

process definition

A notation for expressing business processes, which supports the automation of operations. Process definitions define the behavior and properties of the process instances that are generated, including the flow of control within the process.

process instance

An entity that is generated by executing a process definition. The structure of a process instance is the same as the structure of the process definition on which it is based.

relation

A relationship between configuration items. In the CMDB, relationships between configuration items are expressed by joining these configuration items using "relations". A relation itself is a kind of configuration item.

repository server

A server that is used to download patches from vendor websites, and distribute and apply these patches.

- Patches for Windows operating systems are downloaded, distributed and applied using Microsoft Windows Server Update Services (WSUS).
- Patches for Linux operating systems are downloaded by the infrastructure administrator, and distributed and applied using yum (Yellowdog Updater Modified).

resource

A generic term referring to the hardware (such as servers, storage, and network devices) and software that comprise a system. It also refers to the logical definitions used to manage them.

role

Categories for controlling the services that are available to registered users.

There are four types of roles: infrastructure administrators, joint administrators, tenant administrators and tenant users.

ROR

An abbreviation of ServerView Resource Orchestrator.

ROR-managed server

A server that has been deployed by ServerView Resource Orchestrator Cloud Edition. This server type is managed by ROR.

RPM

The format for software packages used by Red Hat Enterprise Linux.

server group

A unit for grouping servers based on the systems used for business operations, etc. When using this product in coordination with ServerView Resource Orchestrator or OpenStack, the L-Platforms or ServerView Resource Orchestrator and the stacks of OpenStack are managed as server groups of this product.

server virtualization software

The system software that runs on a server to enable virtual machines to run. This term is used to refer to the system software that runs on a PC server.

tenant

A unit for the division and segregation of management and operation of resources based on organizations or operations.

tenant administrator

A person that manages the tenants within a cloud. The tenant administrator can use the management console to look up patch application status and software configuration information for the servers of the cloud's tenants.

tenant user

A person that manages the servers within a tenancy. Tenant users apply patches to managed servers. The tenant user can use the management console to look up patch application status and software configuration information for the servers of that tenancy.

UpdateAdvisor (middleware)

The software used to apply system updates required for Fujitsu middleware products.

UpdateSite

A mechanism developed by Fujitsu to make software updates more convenient. The UpdateSite is made up of a website providing information and a tool for finding updates.

virtual machine

A computer that runs virtually on a VM host.

virtual server

A server that runs virtually on a VM host using a virtual machine.

VM guest

Either a virtual server running on a VM host or an operating system running on a virtual machine.

VM host

Either a server running server virtualization software or the server virtualization software itself.

Web client

A client for operating the Systemwalker Software Configuration Manager admin server. The management console of this server is used in a web browser.