FUJITSU Software

ServerView Infrastructure Manager V2.0

Start Guide Modification Information

CA92344-1476-03

February 2017

【Manual Modification Information】

ServerView Infrastructure Manager V2.0 Start Guide

【Modification History】

Modification No.	Supplied date	Modification	Modification Overview	Target Ver.
1	February 2017	Preface	Adding the OS in Abbreviation	V2.0.0.d
2	January 2017	1.2.6 Overview of Network Manager	Adding the explanation about Network Map	V2.0.0.c
3	January 2017	1.3.1 Images of ISM Functions for Each Scenario of Infrastructure Operation and Management	Adding the image of setting switch information	V2.0.0.c
4	September 2016	2.2.1 System Requirements for ISM-VA (Virtual Machines)	Adding Point about free disk space	V2.0
5	January 2017	Chapter 3 Workflow for Installation and Configuration	Modifying a part of tasks to be prepared	V2.0.0.c

Modification No.	Supplied date	Modification	Modification Overview	Target Ver.
6	January 2017	Chapter 3 Workflow for Installation and Configuration	Modifying a part of the explanation when performing virtual disk allocation	V2.0.0.c
7	September 2016	Chapter 3 Workflow for Installation and Configuration	Adding the note about virtual disk	V2.0
8	February 2017	4.1 Startup of ISM GUI	Replacement of the image	V2.0.0.d
9	February 2017	4.1 Startup of ISM GUI	Replacement of the image	V2.0.0.d
10	February 2017	4.1 Startup of ISM GUI	Replacement of the image	V2.0.0.d

Modification No.	Supplied date	Modification	Modification Overview	Target Ver.
11	September 2016	Chapter 5 Precautions	Adding the explanation about the configuration upon [V2.0] OS installation. Changing the explanation about the RAID configuration for OS installation in [V2.0.0.d] management server.	V2.0 V2.0.0.d
12	January 2017	Chapter 5 Precautions	Adding the explanation when the upper limit is set to the total size of log files	V2.0.0.c

Note: For details of modification, see the page corresponding to modification number. The style of modified descriptions differ as shown below, depending on the type of modification.

- Modified description: The contents after modification are shown in blue color with dotted under line.
- Addition of description: The added contents are shown in blue color.
- ~~Deletion~~ of description: The deleted contents are shown with a ~~strike-though line~~. Note, however, that descriptions are omitted when the deleted descriptions can be easily noticed only with reference to "Modification Overview."
- Note that when it comes to the figures and images (explanation with the above-described style is difficult), the detailed contents of Modification/Addition/Deletion are sometimes described on "Modification Overview."

Modification No.1

Preface

Abbreviation

You may see the following abbreviations in this manual.

Official Name	Abbreviation	
Microsoft® Windows Server® 2016 Datacenter	Windows Server 2016 Standard	Windows Server 2016
Microsoft® Windows Server® 2016 Standard	Windows Server 2016 Datacenter	
Microsoft® Windows Server® 2016 Essentials	Windows Server 2016 Essentials	
Microsoft® Windows Server® 2012 R2 Datacenter	Windows Server 2012 R2 Datacenter	Windows Server 2012 R2
Microsoft® Windows Server® 2012 R2 Standard	Windows Server 2012 R2 Standard	
Microsoft® Windows Server® 2012 R2 Essentials	Windows Server 2012 R2 Essentials	
Microsoft® Windows Server® 2012 Datacenter	Windows Server 2012 Datacenter	Windows Server 2012
Microsoft® Windows Server® 2012 Standard	Windows Server 2012 Standard	
Microsoft® Windows Server® 2012 Essentials	Windows Server 2012 Essentials	
Microsoft® Windows Server® 2008 R2 Datacenter	Windows Server 2008 R2 Datacenter	Windows Server 2008 R2
Microsoft® Windows Server® 2008 R2 Enterprise	Windows Server 2008 R2 Enterprise	
Microsoft® Windows Server® 2008 R2 Standard	Windows Server 2008 R2 Standard	
Red Hat Enterprise Linux 7.2 (for Intel64)	RHEL 7.2	Red Hat Enterprise Linux or Linux
Red Hat Enterprise Linux 7.1 (for Intel64)	RHEL 7.1	
Red Hat Enterprise Linux 6.8 (for Intel64)	RHEL 6.8(Intel64)	
Red Hat Enterprise Linux 6.8 (for x86)	RHEL 6.8(x86)	
Red Hat Enterprise Linux 6.7 (for Intel64)	RHEL 6.7(Intel64)	
Red Hat Enterprise Linux 6.7 (for x86)	RHEL 6.7(x86)	
Red Hat Enterprise Linux 6.6 (for Intel64)	RHEL 6.6(Intel64)	
Red Hat Enterprise Linux 6.6 (for x86)	RHEL 6.6(x86)	
SUSE Linux Enterprise Server 12 SP1 (for AMD64 & Intel 64)	SUSE 12 SP1(Intel64) or SLES 12 SP1(Intel64)	SUSE Linux Enterprise Server or Linux
SUSE Linux Enterprise Server 12 (for AMD64 & Intel 64)	SUSE 12 (Intel64) or SLES 12 SP1(Intel64)	
SUSE Linux Enterprise Server 11 SP4 (for AMD64 & Intel 64)	SUSE 11 SP4(Intel64) or SLES 11 SP4(Intel64)	
SUSE Linux Enterprise Server 11 SP4 (for x86)	SUSE 11 SP4(x86) or SLES 11 SP4(x86)	
VMware® vSphere™ ESXi 6.0	VMware ESXi 6.0	VMware ESXi

VMware® vSphere™ ESXi 5.5	VMware ESXi 5.5	

Modification No.2

1.2.6 Overview of Network Manager

Network Management is a function that is mainly used for the following purposes:

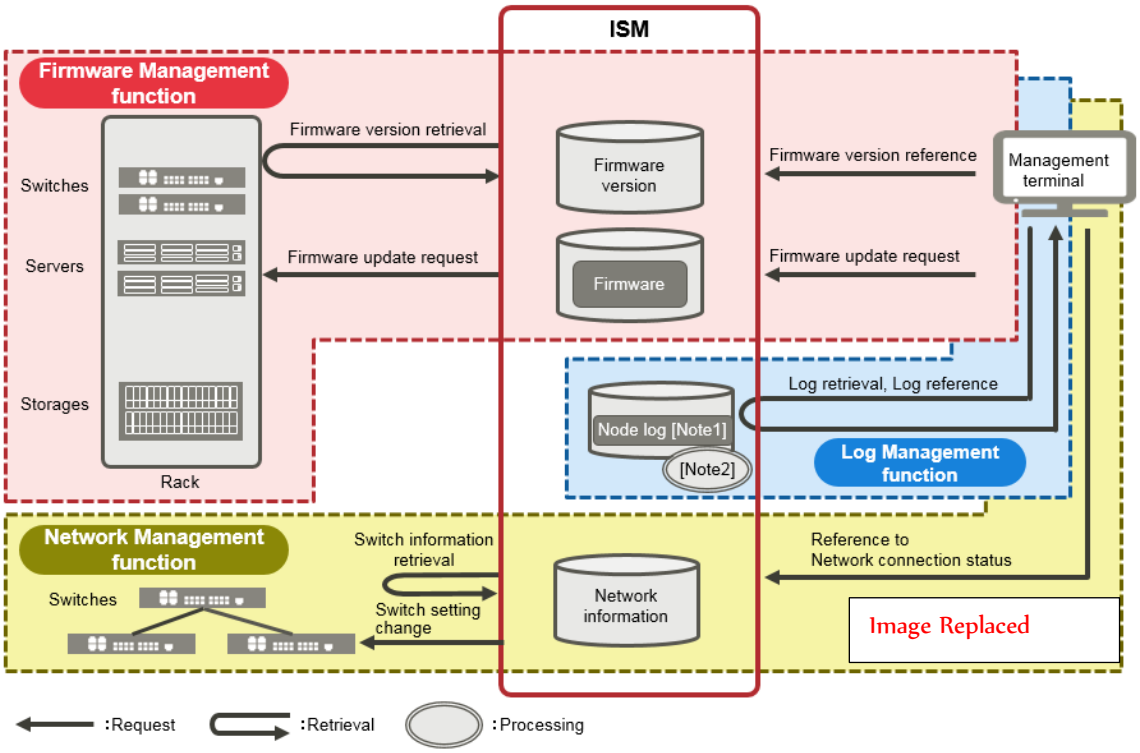
- Checking of network connection statuses among multiple nodes in ~~a connection diagram~~ (Network Map) on the screen
- Checking of changed locations on the screen whenever there is a status change in network connections
- Checking of the relationship between a virtual machine(s)/virtual switch(s) and a physical connection(s) by using a Network Map
- Checking of VLAN and Link Aggregation (LAG) settings for network switches and changing their settings

For details on Network Manager, see "2.2.6 Network Manager" of the "ServerView Infrastructure Manager V2.0 User's Manual."

Modification No.3

1.3.1 Images of ISM Functions for Each Scenario of Infrastructure Operation and Management

Figure 1.5 Image of functions: maintenance of managed nodes



Modification No.4

2.2 System Requirements

This section explains the system requirements for ISM-VA (virtual machines) and management terminals that serve as operating environments for ISM.

2.2.1 System Requirements for ISM-VA (Virtual Machines)

The system requirements for virtual machines to run ISM-VA are as follows.

Item	Description
Number of CPU cores	2 cores or more [Note 1]
Memory capacity	8 GB or more [Note 1]
Free disk space	35GB or more [Note 2] [Note 3] [Note 4]
Network	1Gbps or more
Hypervisor	Windows Server 2012/2012R2 VMware ESXi 5.5/6.0 Red Hat Enterprise Linux KVM

[Note 1] The required number of cores and memory capacity depend on the number of nodes to be managed.

Number of nodes	Number of CPU cores	Memory capacity
1～100	2	8GB
101～400	4	8GB
401～1000	8	12GB

[Note 2] This is the minimum disk capacity required for monitoring approximately 100 nodes. The disk space needs to be estimated depending on the number of nodes to be managed and the ISM functions to be used. For information on estimating the disk capacity, see "3.2.1 Estimation of Disk Resources" of the "ServerView Infrastructure Manager V2.0 User's Manual."

[Note 3] For backing up ISM-VA, a management server with free disk space equivalent to or larger than that of ISM-VA is required.

[Note 4] Free disk space must be fixedly allocated upon installation of ISM-VA.

For the latest information on supported hypervisors, access your local support.

Modification No.5
Chapter 3 Workflow for Installation and Configuration

(1) Installation Design

When you are going to install ISM, you have to perform the following tasks in preparation.

- Estimation of disk resources
- Repository settings
- ~~Configuration of~~ Network design
- Setting node names ~~and profile names~~
- User settings

For information on the contents of these tasks, see "3.2 Installation Design for ISM" of the "ServerView Infrastructure Manager V2.0
User's Manual."

Modification No.6

Chapter 3 Workflow for Installation and Configuration

(6) Allocation of Virtual Disks

Allocate virtual disks in order to expand the disk capacities of ISM-VA.

~~For information on the tasks necessary to expand the disk capacities of ISM-VA, s~~ See "3.7 Allocation of Virtual Disks" of the "ServerView Infrastructure Manager V2.0 User's Manual" to allocate virtual disks to the entire ISM-VA and Administrator user groups.

Modification No.7

Chapter 3 Workflow for Installation and Configuration

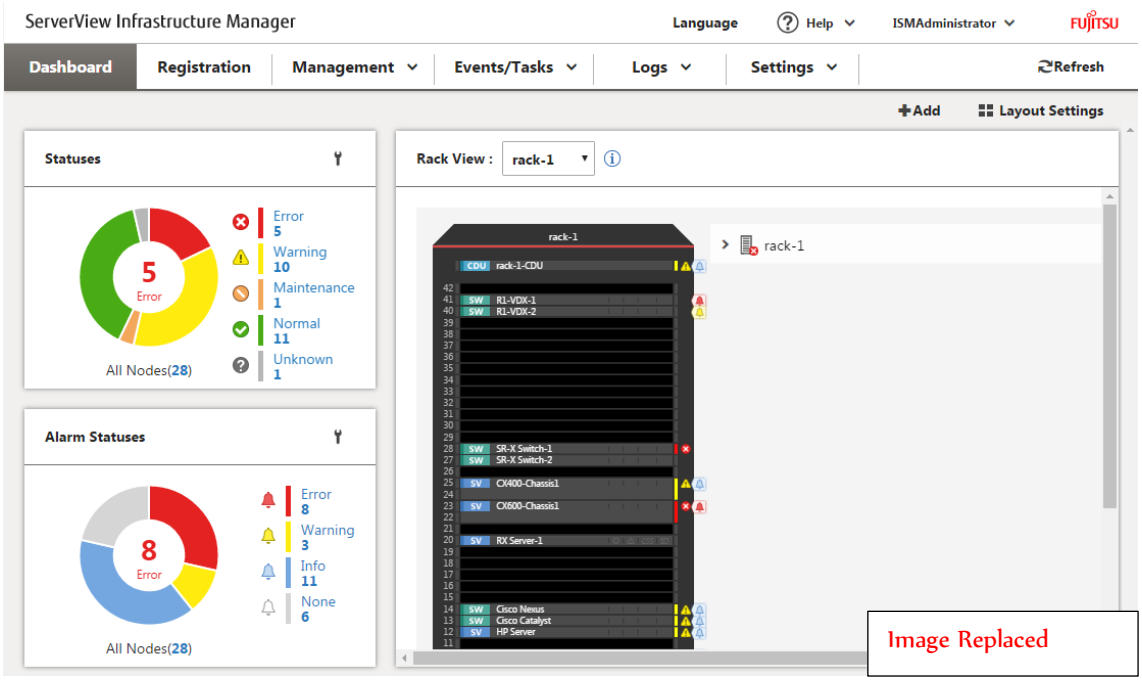
Note

After creating a user group, immediately implement the procedure described in "3.7.2 Allocating Virtual Disks to User Groups" of “ServerView Infrastructure Manager V2.0 User’s Manual.”

Modification No.8

4.1 Startup of ISM GUI

If your login is successful, a dashboard screen is displayed.



Modification No.9

In order to log out, click on the Login User Name that is displayed in the top right corner of the screen.

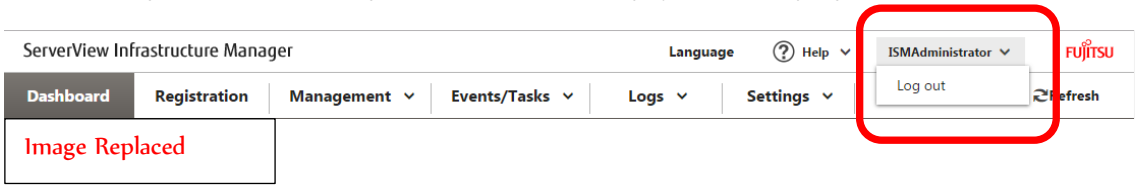


Image Replaced

Modification No.10

The structure of ISM's GUI screen is as follows.

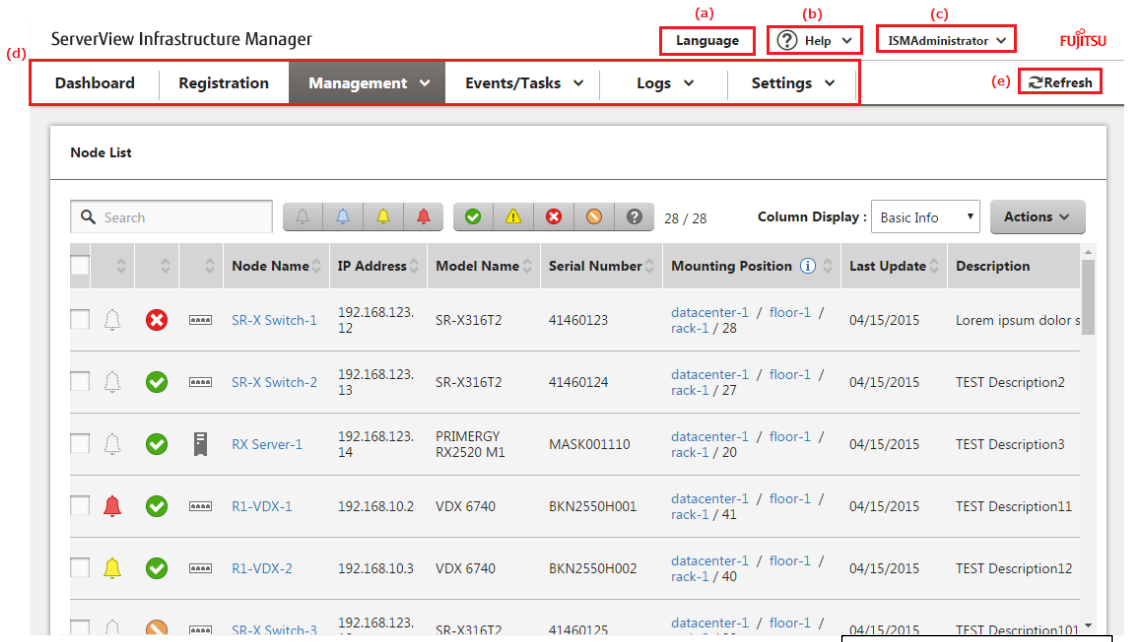


Image Replaced

Modification No.11
Chapter 5 Precautions

Timing of completing OS installation

The status after completing profile assignment varies with the OS type and the OS settings. Likewise, the timing for executing optional scripts as specified by profiles also varies with the OS type.

OS type and settings	Status after completing profile assignment to OS	Timing for executing optional scripts
Windows	EULA screen during OS installation	At first login after accepting EULA and completing license input
Linux	Login prompt after OS has completely booted	First login prompt (execution completed)
X Window enabled in RHEL7	Last setting screen during OS installation	When OS login prompt is displayed after completing last settings
VMware ESXi (IP addresses are fix)	When network communication has become available after OS has completely booted	During OS installation (execution completed)
VMware ESXi (IP addresses are set by DHCP)	After completing OS installation and reboot	During OS installation (execution completed)

About the configuration in OS installation

For OS installation, you need ServerView Suite DVD.
The number of logical drives configured with an array controller is only one if you perform OS installation using ServerView Suite DVD (V11.16.04).

Precautions on using paid support service (SupportDesk Standard) for Red Hat Enterprise Linux (Only for Japanese market)

In order to engage in an agreement for a paid support service and to receive such support, your system configuration needs to fulfill some requirements.
When you use ISM's Profile function to automatically install Red Hat Enterprise Linux, the "Fujitsu Linux Support Package (FJ-LSP)" required for support is not applied, and no memory dump settings are made. Make any necessary settings manually after installation.
For details on setting contents and methods, refer to the Linux user's manual for SupportDesk service subscribers.

Modification No.12
Chapter 5 Precautions

Using automatic data collection by Log Management
ISM can periodically collect logs according to a schedule you set in advance. If you use this feature, however, you should take note of the following points:

- Logs are not collected by merely registering a node. You have to set the type of log to be collected and the schedule separately for each node.
- If there is any mistake in the node settings or in the settings within ISM, logs cannot be properly collected. After making the respective settings, implement a manual log collection to check that the log files are accumulated correctly and that there is no log collection error recorded in the ISM event log.

- ~~An upper limit is set for the total file size of logs that can be collected. As soon as the log capacity reaches 80% of the upper limit,~~ In a situation where the upper limit for the total size of various log files stored in a user group by ISM and the threshold monitoring are set in [Settings], if the total size of the log files reaches the size of the specified value for the threshold monitoring, this is recorded as a warning event in ISM. In such a case, delete logs that are no longer needed in order to reduce the amount of files.

  On reaching the upper limit, no more logs are saved.

- There is a set period/frequency for retaining collected logs, separately for each node. Old logs are automatically deleted when the set period/frequency is exceeded. When you use the log collection function, change this setting to a value that is appropriate for you.