FUJITSU Software

ServerView Infrastructure Manager Plug-in for

VMware vCenter Server 1.1



Setup Guide

For vCenter Server 6.0

CA92344-2178-01 Dec, 2017

Preface

Purpose

This Setup Guide describes the installation procedure, precautions on usage and information for FUJITSU Software ServerView Infrastructure Manager Plug-in for VMware vCenter Server 1.1 (hereafter referred to as "ISM Plug-in").

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- 6. <u>How to utilize ISM</u>
- 7. Uninstallation Procedure
- 8. Precautions
- 9. Latest Information

Intended Readers

This guide is designed for readers who have sufficient knowledge on hardware and software, such as system administrators, network administrators, facility administrators and related service providers.

Notation in this guide

Notation

Keyboard

Keystrokes with no printed characters are displayed by key icons, such as [Enter] or [F1]. For example, [Enter] means press key labeled [Enter].

Multiple lines

Thick multiple lines are ruled before the important information for each procedure as follows:

Point

Describes important information for each subject.

Note

Describes subjects where attention is necessary.

Variables: <xxx>

Represents variables that can be replaced by numerical values or text strings in accordance with the environment.

Example: <IP address>

Abbreviations

In this guide, the following abbreviations may be used.

Product Name	Abbreviation			
FUJITSU Software ServerView Infrastructure Manager	ISM			
FUJITSU Software	ISM Plug-in			
ServerView Infrastructure Manager Plug-in for VMware				
vCenter Server				
VMware vCenter Server	vCenter			

Terms

For the major terms and abbreviations used in this manual, see "ServerView Infrastructure Manager V2.2 Glossary."

High Risk Activity

The Customer acknowledges and agrees that the Product is designed, developed and manufactured as contemplated for general use, including without limitation, general office use, personal use, household use, and ordinary industrial use, but is not designed, developed and manufactured as contemplated for use accompanying fatal risks or dangers that, unless extremely high safety is secured, could lead directly to death, personal injury, severe physical damage or other loss (hereinafter "High Safety Required Use"), including without limitation, nuclear reaction control in nuclear facility, aircraft flight control, air traffic control, mass transport control, medical life support system, missile launch control in weapon system. The Customer shall not use the Product without securing the sufficient safety required for the High Safety Required Use. In addition, Fujitsu (or other affiliate's name) shall not be liable against the Customer and/or any third party for any claims or damages arising in connection with the High Safety Required Use of the Product.

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1. Product Summary

This plug-in software is designed to extend the user interface of VMware vCenter Server (hereafter referred to as "vCenter") to enable the use of the functions of FUJITSU Software ServerView Infrastructure Manager (hereafter referred to as "ISM") from vCenter console to integrate the infrastructure management. This plug-in software enables you to operate ISM directly from the vSphere Web Client.

2. Contents

This plug-in software is composed of the following five (5) files:

- ISMvCenter_INSTALL.exe
- Readme.txt
- Readme_en.txt
- Setup Guide (Japanese)
- Setup Guide (*this document)

3. Software Requirements

Applications that must be installed:

- FUJITSU Software ServerView Infrastructure Manager V2.0 and later
- VMware vCenter Server V.6.0

Minimum Browser Version Requirements:

- Microsoft Internet Explorer 10.0.19 or later
- * For the 3D view functions of ISM, you must install the latest version; 11.0.19 or later
- Mozilla Firefox 34 or later

Google Chrome does not support ISM Plug-in (as of Feb, 2017).

Please refer to the User's Manual of ISM for more information.

4. Installation Procedures

This section explains installation procedures of ISM Plug-in into vCenter.

Please execute the following four (4) steps:.

- 4.0 <u>Before installation</u>
- 4.1 <u>Execute the installation file</u>
- 4.2 Register the necessary information in ISM Plug-in
- 4.3 Import the SSL Server Certificates
- 4.4 How to use ISM Plug-in

4.0 Before installation

Note

- The version of OpenSSL in vCenter Server must be compatible with OpenSSL in ISM.
 Without compatibility, it does not work properly. Kindly check the version of vCenter Server before the installation. The versions of Open SSL must be version 1.0.x.
 Ex.) 1.0.1a, 1.0.2.a... etc.
- Make sure to apply the latest patch versions for vCenter to avoid errors occurring. Click the following URL and find the patch versions below from "Correct Answer No.50". <u>https://communities.vmware.com/thread/530994?start=50&tstart=0</u> (reference: vmware TECHNOLOGY NETWORK)

For 6.0 Patch2 : UserSessionServiceImpl_class_60p02_build3271482.zip class_loading_patch_for_60p02_build3271482.zip

For 6.0 Update2 : UserSessionServiceImpl_class_60u2_build3617395.zip class_loading_patch_for_60u2_build3617395.zip

• Uninstall the ISM Plug-in (version 1.0) in advance if it is already applied in ISM.

4.1 Execute the install file

4.1.1 Double click [ISMvCSA_INSTALL.exe] and open the file.

4.1.2 Select language for the installation procedures.



4.1.3 When the preparations are completed, the installation wizard is displayed. Click [Next].



4.1.4 The EULA is displayed. Read the contents and select [I accept the terms].

😸 FUJITSU Software ServerView Infrastructure Manager Plug-in for v
License Agreement Please read the following license agreement carefully.
FUJITSU END USER SOFTWARE LICENSE AGREEMENT ^ For the purposes of this Fujitsu End User Software License Agreement, "Licensed Material" shall mean the software program ("Software") and the accompanying documentation, including "Read Me" file(s) contained in the Media ("Documentation"), which is identified on Exhibit A attached hereto. The Software is copyrighted and owned by Fujitsu Limited or one of its subsidiaries (collectively "Fujitsu") or a Fujitsu's licensor, and licensed, not sold to you ("you" or "You"). PLEASE READ THIS AGREEMENT CAREFULLY BEFORE USING THE CONTRUMENT CONTRUCTION TO YOU ON YOU" I accept the terms in the license agreement I do not accept the terms in the license agreement
InstallShield

4.1.5 Specify the installation destination. To change the destination, click [Change].



4.1.6 Specify the designated folder and click [OK].

😸 FUJITSU Software ServerView Infrastructure Manager Plug-in for v 🗴
Change Current Destination Folder Browse to the destination folder.
Look in:
📸 ISM vCenter Plugin 🗸 🖻
Eolder name:
C:¥ISM vCenter Plugin¥
InstallShield
OK Cancel

4.1.7 Click [Install] and the installation starts automatically.

B FUJITSU Software ServerView Infrastructure Manager Plug-in for v
Ready to Install the Program The wizard is ready to begin installation.
Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back Install Cancel

4.1.8 After the installation is completed, the message below is displayed. Click [Finish].



4.1.9 Restart the OS where the ISM plug-in is installed.

4.4 Register the necessary information in ISM Plug-in

Register the necessary information in ISM Plug-in from command prompt.

4.4.1 Right click the Start menu and select [Command Prompt (Admin)].



4.4.2 Execute the following command.

<Install destination folder name>¥bin¥ismvCenterConfig.exe –a Example:



4.4.3 Follow the directions and enter the information below.

```
Welcome to the setup wizard for vCenter registration. Please enter the following
information to register.
Please enter a IP address or FQDN of vCenter Server : <IP address or FQDN for vCenter>
Please enter a valid user name of vCenter Server : <administrator@vsphere.local>
Please enter a password for the user name : <*****>
Registration completed successfully.
```

C:¥Windows¥system32>

Point

• Execute the following command to check the registered information.

<Install destination folder name>¥bin¥ismvCenterConfig.exe -I

Picked up JAVA_TOOL_OPTIONS: -Xms32M -Xmx128M

vCenter IP address or FQDN=<IP Address or FQDN for vCenter> Account=<administrator@vsphere.local>

• To correct or replace the server information, delete the information using the following command. Then register the information again.

<Install destination folder name>¥bin¥ismvCenterConfig.exe -d <User name for vCenter>

Unregistration completed successfully.

4.4.4 egister the ISM server information in ISM Plug-in.

<Install destination folder name>¥bin¥ismServerConfig.exe -a Welcome to the setup wizard for ISM(ServerView Infrastructure Manager). Please e nter the following information to register. Please enter a IP address or FQDN of ISM Server : <192.186.1.100> Please enter a Port Number of ISM Server : <25566> Please enter a valid user name of ISM Server : <administrator> Please enter a password for the user name : <****> Please enter a valid user name of vCenter that correspond to user name of ISM Se rver: <administrator@vsphere.local> Registration completed successfully. C:¥Windows¥system32>

Point

• Execute the following command to check the registered information.

<Install destination folder name>¥bin¥ismServerConfig.exe -I
ISM IP address or FQDN=<192.168.1.100> ISM Port=<25566> ISM Account=<administrator>
vCenter Account=<administrator@vsphere.local>

• To correct or replace the server information, delete the information using the following command. Then register the information again.

<Install destination folder name>¥bin¥ismServerConfig.exe -d <User name for
ISM>

Unregistration completed successfully.

4.5 Import the SSL Server Certificate

4.5.1 Import the SSL Server Certificate

Note

It is necessary to import the SSL Server Certificate in advance into the devices which should be connected to vCenter. **Without Certificate, an error message appears.

1. Prepare the SSL Server Certificate.

Point

• Prepare the SSL Server Certificate according to Chapter 4.6.1 "Deploying SSL Server Certificates" in User's Manual of ISM.

Make sure to complete the certificate import on the intended devices.

- For the use of FireFox, refer to Start Guide of ISM to complete the certificate import.
 - 2. From the browser on the intended devices, select [Internet options] under [Settings].

3. Select [Contents] and click [Certificates].



4. Click [Import] and launch the import wizard.

	urpose: <	(All>		
Personal	Other People	Intermediate Certificatio	n Authorities	Trusted Root Certification
Issued	То	Issued By	Expiratio	Friendly Name
Import	Expo	t <u>R</u> emove		Advanced
import.	e intended our	poses		
Certificat	ie intended par			

5. The import wizard appears. Click [Next].

vocation
ur klentity

6. Select the downloaded file.

File to Import			
Specify the file y	ou want to import.		
1/10/			
1 million			Br wen
Note: More than	rone certificate can be stor	red in a single file in the full	owing formats
Personal Info	mation Exchange-PRCS #	12 (, PFX, .P 12)	
Cryptographic	Message Syntax Standard	I-PKCS #7 Certificates (.P	7B)
Microsoft Seri	alzed Certificate Store (JSS	לה	

7. Click [Next].

8. Check the [Place all certificates in the following store] box and click [Browse].

Certific	cate Store				
6	etificate stores a	ere system areas wh	ere certificates are	kept.	
Wi the	indows can autor e certificate.	natically select a ce	rtificate store; or ye	ou can specify a location	for
_	O Automatical	v select the certification	te store based on t	he type of certificate	
<u>г</u>	@Place all cert	ificates in the follow	ing store		
	Certificate e	tore;			
	Personal			Browse	нс;

9. Select [Trusted Root Certification Authorities] and click [OK].

Select Certificate Store
Select the certificate store you want to use.
Personal Trusted Root Certification Authorities
Active Directory User Object
Show physical stores
OK Cancel

10. Click [Next].

11. Click [Finish].

Completin	g the Certificate Import Wizard
The certificate wi	be imported after you click Pinish.
You have specifie	d the following settings:
Content Nie Name	Casticine by Line: Cartificate C'Users'sperator_Desktop'ca.ort.txt

12. Click [Yes] on the security alert dialog.



13. The message [The import was successful] appears. Click [OK] to close the dialog box.

Certificate Import Wizard						
The import was successful.						
ОК						

14. Login to ISM and confirm that there are no errors.

4.6 How to use ISM Plug-in

4.6.1 How to use ISM Plug-in

- 1. Start vSphere Web Client from your device.
- 2. Click [Hosts and Clusters]. Or, select <designated node> under [Datacenter].

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- 3. Click [Monitor] tab and select [ServerView Infrastructure Manager].
- 4. The login page is displayed in the main pane.



It is necessary to import the SSL Server Certificates in advance into the devices which should connect to vCenter. Please refer to section 4.5 in this setup guide.

- 5. After logging in, the following information is displayed according to the object:
 - For the registered node in ISM: Node Information

WHEN Y CANAD WELL CO	ed. 84		10		- C
time 1 0 0 0 0 -grant 1 -grant 1 +grant 1	Constant and -				10000 At
	Server Technology (or phone Technology) ServerSteve (short-article Mesley Facilitation) September		Ten Inte Anna Anna Inte		
	Annuel Folgent Annuel Folgent Burger Samer Samer (M. 1997) Burger Samer (M.				- Matchana - A
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			and these	-	
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when it manage					No. 140

For the unregistered node in ISM/ the datacenter or cluster: Node List



Point

If the ISM system guide dialog appears, scroll down to the bottom right and click [Close]. Change the settings from [Help]-[System Guide] in ISM.



5. Folder Structure after Installation

The following is the folder structure after installation.



6. How to utilize ISM

Please refer to the User's Manual of ISM for how to utilize each function of ISM.

7. Uninstallation Procedures

Go to the control panel and find "ServerView Infrastructure Manager Plug-in for VMware vCenter Server" from "Program and Features". Right click and select "Uninstall." Restart the OS where the ISM plug-in was deleted.

8. Precautions

- 8.1 NOTE: To use ServerView Infrastructure Manager Plug-in for vCenter, purchase and installation of ISM is required. Without installing ISM, this plug-in does not work properly. Refer to the ISM User's Manual for more details.
- 8.2 NOTE: To use ServerView Infrastructure Manager Plug-in for vCenter, purchase and installation of vCenter is required. Without installing vCenter, this plug-in does not work properly. Refer to the product guides of VMware for more details.

9. Latest Information

For the latest information about ISM and ISM Plug-in, please contact your local support.