### **FUJITSU Software**

## ServerView Infrastructure Manager V2.2

# Pre-settings for Virtual Resource Management Function

December 2017 FUJITSU LIMITED

| Modification History |                  |                       |  |
|----------------------|------------------|-----------------------|--|
| Edition              | Publication Date | Modification Overview |  |
| 01                   | December 2017    | First Edition         |  |

ServerView Infrastructure Manager V2.2 is capable of monitoring a virtual infrastructure by using virtual resource management function.

This document provides information about pre-settings required for virtual resource management function.

For the details and abbreviations used within this document, refer to the manuals below.

- FUJITSU Software ServerView Infrastructure Manager V2.2 User's Manual
- FUJITSU Software ServerView Infrastructure Manager V2.2 Glossary
- Pre-settings for VMware VSAN

VMware VSAN alarm definition is required to enable the detection of VSAN datastore errors caused by a network disconnection between the VSAN hosts. The procedure below describes how to add VSAN alarm definitions.

1. Open the vSphere Web Client screen, from [Home] - select storage and select the created VSAN datastore.

From the [Management] tab (or from the [Monitor] tab and click [Issues] in case of vCenter Server Appliance 6.5), select [Alarm Definitions] on the right side of the displayed screen and select [+].

| Navigator X   |   |   | 🔁 vsanDatastore 🛛 Actions 👻     |  |  |  |
|---|---|---|---------------------------------|--|--|--|
| 4 Home  | 5 | 0 | Getting Started Summary Monitor |  |  |  |
|   |   | Q | Settings Alarm Definitions Tags |  |  |  |
| Datacenter     Datacenter     LocalDatastore1     LocalDatastore2     LocalDatastore3     LocalDatastore4     vsanDatastore |   |   | Name                            |  |  |  |
|   |   |   | Datastore compliance alarm      |  |  |  |
|   |   |   | VASA provider disconnected      |  |  |  |
|   |   |   | 😝 Object type storage alarm     |  |  |  |

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2. When the wizard screen is displayed, fill in [Alarm name] and [Description] as in the following chart, and then select the [Next] button.

| 1 Conoral               |         |  |
|-------------------------|---------|--|
| 2 Triggers<br>3 Actions | Descrip | ame.<br>Jon.   |
|                         | Monitor | Datastore   Datastore   Sector conditions or state, for example CPU usage  Sector conditions or state, for example VM Power On |
|                         | 🗹 Enat  | te this alarm  |
|                         |         |  |
|                         |         |  |
|                         |         |  |
|                         |         |  |
|                         |         | Back Next Finish Cano  |

| Item        | Content   |
|-------------|---|
| Alarm Name  | Network disconnection between hosts                       |
| Description | Alarm when the network between the hosts is disconnected. |

3. Select the [+] in the following screen, then set the items as in the following chart and select the [Next] button.

| 1 General               | Trigger if ANY • of the foll | owing conditions are satisf | led.              |                    |
|-------------------------|------------------------------|-----------------------------|-------------------|--------------------|
| 2 Triggers<br>3 Actions | Troper                       | Operator                    | Warning Condition | Critical Condition |
| 0 100000                | Datastore State to All Hosts | is equal to                 | None              | Disconnected       |
|                         |                              |                             |                   |                    |
|                         |                              |                             |                   |                    |
|                         |                              |                             |                   |                    |
|                         |                              |                             |                   |                    |
|                         |                              |                             |                   |                    |
|                         |                              |                             |                   |                    |
|                         |                              |                             |                   |                    |
|                         |                              |                             |                   |                    |
|                         |                              |                             |                   |                    |
|                         |                              |                             |                   |                    |
|                         |                              |                             |                   |                    |
|                         |                              |                             |                   |                    |
|                         |                              |                             | Back Next         | Finish Can         |

| Item                 | Parameter                     |
|----------------------|-------------------------------|
| Trigger              | Datastore Status to All Hosts |
| Operator             | is equal to                   |
| Warning requirements | None                          |
| Maximum requirements | Disconnected                  |

4. No need to set Actions. Select the [Finish] button.

| New Alarm Definition                              |   |  |                                    |              |             | (?)        |
|---|---|--|------------------------------------|--------------|-------------|------------|
| <ul> <li>1 General</li> <li>2 Triggers</li> </ul> | Specify the actions to take when the alarm state changes. |  |                                    |              |             |            |
| 3 Actions   | Addon   | Configuration  | 0-1                                | <b>4+0</b>   | <b>0</b> -1 | <b>A+0</b> |
|   | Repeat actions every: 5                                   | ( → minutes.<br>gured<br>n the alarm triggers, configure vCe | enter Server and set the r<br>Back | nail sender. | Finish      | Cancel     |

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5. The new definition is added to the alarm definitions when completed.

| Navigator 🗸               | vsanDatastore Actions *                                   |
|---------------------------|---|
| • Home 🕞 🔊                | Getting Started Summary Monitor Manage Related Object     |
| VIADMIN fis. local        | Settings Alarm Definitions Tags Permissions Scheduled Tas |
| Datacenter     Datacenter | + × (Q Filter -   |
| LocalDatastore2           | Name Defined In   |
| LocalDatastore3           | Disconnection of the networ This Object                   |
| 🗐 vsanDatastore 🔰 💙       | Thin-provisioned volume ca 📴 VMADMIN fis local            |
|                           | Datastore capability alarm 😰 VMADMIN fis local            |
|                           | Datastore compliance alarm 💋 VMADMIN.fis.local            |
|                           | Datastore usage on disk 💋 VMADMIN fis local               |
|                           | VASA provider disconnected VMADMIN fis.local              |
|                           | VASA Provider certificate exp OVMADMIN.fis.local          |
|                           | B Object type storage atarm Br VMADMIN Rs.tocal           |
|                           | * #   |
|                           | M 9 items   |

#### ■ Pre-settings for Storage Spaces Direct

For operation management of Microsoft Storage Spaces Direct, it is required to enable CredSSP authentication for all the nodes configure MS Storage pools, and settings for OS monitoring for ISM-VA. Execute it using the following procedure.

#### Settings for ISM-VA

Execute the settings for OS monitoring from ISM. For the setting procedure, refer to the "Section 2.1 of Setting procedures for Windows" in "FUJITSU Software ServerView Infrastructure Manager V2.2 Settings for Monitored OSes and Cloud Management Software."

#### Settings for nodes

Enable CredSSP authentication for all the nodes configure MS Storage pools.

#### Note

If you do not execute these settings, the virtual resource management function cannot be used for Storage Spaces Direct.

The nodes configure MS Storage pools can be checked from the Server Manager and the Failover Cluster Manager.

- 1. Log in to the node as a user with domain administrator rights and start PowerShell.
- 2. Execute the following command.

Enable-WSManCredSSP - Role client - DelegateComputer < Target node (Computer) name >

Wild card (\*) can be used to specify all of the computer names in a domain. Example:

Enable-WSManCredSSP -Role client -DelegateComputer \*.pfdomain.local

3. And then, execute the following command.

Enable-WSManCredSSP -Role server