FUJITSU Software ServerView Resource Orchestrator Virtual Edition V3.4.0 [VMware] Automatic Quarantining Function Setup Guide [Windows Manager] B1X1-0393-02ENZ0(03) October 2020

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Installation Refer to the "Automatic Quaranthing Function User's Guide" for details.

Select

Exit

192 168 10 40

Password for "ma

manage

C: ¥Program Files (x86) ¥Resource

Select "Internal Authentication".

\*Displayed as ••• on the screen.

Password for "manage" \*Displayed as ••• on the screen

Click "Yes"

STEP 1 Install the Product

Installing the Manager(Windows)





Continued on the Next Page

## **STEP 4 Creating Definition Files**

Create definition files. If the definition file already exists, add to it using the following format. Storage location of the admin server (ROR manager)

C: ¥Program Files (x86) ¥Resource Orchestrator ¥SVROR ¥Manager ¥etc ¥vm Definition File Name Value to Set in the Definition File

register\_ipmiless None (Create an empty file)

C: ¥Program Files(x86) ¥Resource Orchestrator ¥SVROR ¥Manager ¥etc ¥customize\_data

Definition File Name	Value to Set in the Definition File			
l_server.rcxprop	reserve_ip_address=true			
avmgr_network.rcxprop	Intranet-LAN=Quarantined-LAN			
server_control.rcxprop	ServerControl,V1.1 esxi000,false			

(1) Create a work folder.

> mkdir D:¥avmgr <RETURN>

(2) On the ROR console, select [File]-[System Configuration File]-[Download Template]. The [File Download] window is displayed.

(3) Click the [Save] button.

(4) Specify the storage directory (D:¥Avmgr) and the file name (rcx-import-avmgr.csv).

(5) Click the [Save] button.

(6) Edit the content of the system configuration file (D:¥Avmgr¥rcx-import-avmgr.csv) as shown below.

Value to Set in the System Configuration File (rcx-import-avmgr.csv) V3 5

RCXCSV [Server]

operation, chassis\_name, slot\_no, server\_name, ip\_address, mac\_address, second\_mac\_address, snmp\_community\_name, ipmi\_jp\_address, ipmi\_passwd, ipmi\_passwd, enc new,,,,esxi000,192.168.10.13,90:E5:35:0C:34:AD, 90:E5:35:0C:34:AE,,,,,

[VMManager]

operation, name, ip address, product, login name, login passwd, passwd enc new,vCenterServer,192.168.10.50,vmware-vc,administrator,vCenterServer password, plain

[ServerVMHost]

Operation, server\_name, vm\_login\_name, vm\_login\_passwd, vm\_passwd\_enc new,esxi000,root,esxi000 password,plain

### **STEP 5 Enable Notification**

Refer to the "Automatic Quarantining Function User's Guide" for details.

(1) Enable message notifications. Execute the following command.

> msgnotice register -name vdimgr -ip 192.168.10.60 -user\_name admin -passwd password\_of\_the\_VDI\_management\_server<RETURN> > msgnotice enable <RETURN>

(2) Authorize remote management. Execute the following command, and confirm that the content of Trusted Hosts is a single asterisk ("\*") or the IP address for connection to the VDI management server (192.168.10.60).

> winrm get winrm/config/client <RETURN>

(3) Configure the VDI management server to allow access from Windows Remote Management. Log in to the VDI management server as a user with administrator privileges, and execute the following command from the command prompt. When the prompt is displayed, enter "y".

> winrm quickconfig <RETURN>

(4) Change the PowerShell execution policies. On both the machine to be set up as the admin server of Resource Orchestrator and the VDI management server, change the PowerShell execution policy to "RemoteSigned". Start the PowerShell console using administrator privileges and execute the following command

> Set-ExecutionPolicy -ExecutionPolicy RemoteSigned <RETURN>

(5) Execute the following command, and confirm that notification has been enabled.

> msgnotice info <RETURN>

As well as the message notification function, if the function for sending email notification to the administrator or an action other than automatic quarantining has been selected for when infection by a virus is detected, refer to the "Automatic Quarantining Function User's Guide" and then perform configuration.

**STEP 6 Register Resource** 

(1) From the ROR console, select [File]-[System Configuration File]-[Import]. The [Import System Configuration File] dialog is displayed. (2) Specify the system configuration file (rcx-import-avmgr.csv) prepared in "STEP 4 Create Definition Files".

(3) Click the [OK] button.

Refer to the "Automatic Quarantining Function User's Guide" for details. Import System Configuration File This will import a system configuration file. Select the file that will be imported. File: C:\rcx-import-avmgr.csv refer... OK Cancel Help

Continued on the Upper Right

# **STEP 7 Register Resource Pools**

(1) From the orchestration tree, right-click the target server pool, then register the target VM host

(2) From the orchestration tree, right-click the network pool and select [Create Network Resource]-[New]

Register the business network and the quarantine network.

#### **Business Network**

Window	Entry	Value to Enter or Select			
Network resource name	The resource name of the business network	Intranet-LAN	Select al Uncerect al	Eorodes Roscurees38Eolocaeve Resources 3 cm map	
Туре	The type of the network resource	Public LAN			
Detail configuration		Use configured virtual switches/port profile	Network Re	source	
VLAN ID	The VLAN ID of the business network	20	Create a Network Resource Please enter the information	of the network resource being create	ed.
Subnet address/mask	Subnet address/mask	192.168.20.0/24	Using "Automatic Network C	onfiguration" enables faster first-time	L-Server deploym
Default gateway	Default gateway	192.168.20.1	Network resource name:	Intranet-LAN	i9C9I boot
Quarantine			Detailed configuration:	Use configured virtual switch Automatically configure VLA/	es/port profile. Ns for the uplink po
Window	Entry	Value to Enter or Select	VLAN ID/Uplink Port Sel	lection	
Network resource name	The resource name of the guarantine network	Quarantined-LAN	Please configure the upli When using ethernet fab	nk ports of blade switches or ethernel ric switches, select the uplink ports.	t fabric switches.
Туре	The type of the network resource	Public LAN	Switch	Port No/Port Name/LAG	Select
Detail configuration		Use configured virtual switches/port profile	<	>	
VLAN ID	The VLAN ID of the quarantine network	30	Subnet address/mask:	192.168.20.0 / 255.255	255.0
Subnet address/mask	Subnet address/mask	192.168.30.0/24	Exclusion IP range:	None	Settings
Default gateway	Default gateway	192.168.30.1	Ruleset	None	C
			Label:		
FP & Registe	r Antivirus Softw	vare	Comment:		(
		Valo		OK Cancel Help	
Register antivirus softv	vare. Execute the following c	ommand.			
> rcxadm avmgr cre	ate -name cornxg -mgm	t soft name corn-in 192,168,10,30 <	RETURN>		
	and hand on by Building	is in the corp is 1511100110100 vi			

VM pool

source List R

Before Infection (Public LAN)

Networkresource

Intranet-LAN

1

0

Nateorix nazouros

After Infection (Quarantined LAN)

Networkresource

Quarantined-LAN

(2) Confirm that the antivirus software is successfully registered. Execute the following command.

> rcxadm avmgr list <RETURN>

## STEP 9 Import the Virtual PC

(1) Create the CSV configuration file. Execute the following command.

> convertVMtoLServer -exportfile D:¥avmgr <RETURN>

(2) Import virtual PCs so they can be managed by ROR. Execute the following command.

> convertVMtoLServer -file D:¥avmgr¥convertVMtoLserver\_20170831000000.csv <RETURN>

### Trvout

■Download a dummy virus to a virtual PC and confirm that it is transferred to the quarantine network.

- (1) Download a dummy virus to a virtual PC.
- (2) Confirm that security risks have been detected through email notifications sent by the antivirus software or by checking the system log of the admin server.
- (3) Confirm the following:
- From the ROR console, confirm that the network of the target virtual PC has been switched to the quarantine network
- Check the IP address of the virtual PC.

# How to Reference the Electronic Manuals

Perform the following procedure to refer to the electronic manuals for Resource Orchestrator:

1. Insert the first DVD-ROM of Resource Orchestrator into the DVD drive.

- 2. On the initial window that is displayed automatically, click [Documentation] from the left menu and then [Manual].
- 3. The online manuals are listed in the Web browser. Refer to those in the Virtual Edition section.