

Introducing ServerView Resource Orchestrator Express/Cloud Edition XOC Pack V1

Version 1.1.2

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Product Overview



Integrated monitoring of a virtualized collection of virtual machines and physical servers

- Integrated monitoring of a virtualized collection of virtual machines and physical servers VM heartbeat monitoring (ping), VMware log monitoring (trap), hardware monitoring (trap)
- Visualizing relationships between physical servers and virtual machines, and operations are centralized
- The administrator is notified by mail when a serious problem has occurred



Positioning of the ROR Express/Cloud Edition XOC Pack

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Differences in the ranges covered in cloud infrastructure management



ServerView Resource Orchestrator Features



Features range per edition

Build requirements	Features provided		Cloud Edition
Central management of	Visualization and monitoring from physical server to virtual server	Yes	Yes
servers	Provision of a unified management interface on the server	Yes	Yes
	Flexible configuration of I/O between the server and storage		Yes
Improved server availability	Automatic recovery from a server fault		Yes
	Avoidance of virtual server crashes using a fault predictor		Yes
	Resource pools and visualization of the usage status		Yes
	Logical platform template/automatic deployment		Yes
Achievement of	Logical platform management using a service portal		Yes
platform-provided services	Visualization of resource operation status and billing management		Yes
	Disaster recovery which targets the logical platform		Yes (*1)

*1: To use this function, the "ServerView Resource Orchestrator DR Option" is required separately

ServerView ROR Express XOC Pack

Realization of unified operation status monitoring and operations in virtual and physical environments, which reduces the management load (virtual servers, VM hosts, physical servers, and networks)



ServerView ROR Cloud Edition XOC Pack

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- Labor-saving is achieved for server installation/operation/maintenance tasks via automation and visualization
- Reductions in system build time and efficiency of operations are achieved via shared management of resources in a pool and the automatic deployment of a platform





Functional Overview of ServerView Resource Orchestrator Express XOC Pack V1

Infrastructure Monitoring + ServerView Resource Orchestrator Express

What ServerView ROR Express XOC Pack can be Used For Fujitsu

ServerView ROR Express XOC Pack





Easily Understanding the Operation Status of Entire System

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Speedy detection when problems occur in a visual monitoring screen

- The operation status of the physical server, virtual server, and network device is monitored
- The fault that was detected is notified by mail
- No need for monitoring settings for the monitoring target



When only virtualization management software is used, there is no network monitoring function, so it is not possible to detect link down or server stoppages in real time

Easy Management of the Relationship between Virtual and Physical Servers



The relationship between the virtual and the physical servers and networks is displayed visually, so the investigation time when problems occur is reduced

- The relationship between the physical and the virtual is managed using hardware chassis images in a blade viewer
- The physical/logical (VLAN) connection status is visualized, from virtual networks to blade switches



When only virtualization management software is used, it is not possible to see the relationship between the job and server/network, so it will be difficult to identify the cause of problems that have occurred

Managing Different Hypervisor Environments in a Single Screen Fujirsu

The operation load is reduced via a unified management screen and operations

- Different hypervisor virtual environments are integrated and managed
- The virtual server operations are unified, so the virtual server can be moved easily



When only virtualization management software is used, the different management screens and operations for each management target have to be used

Maintenance Work becomes More Efficient and Risks are Reduced



Server maintenance tasks become more efficient by bringing the virtual server back after it has been moved

The location of the virtual server is stored, and the server is returned to the original location using one operation (central management of which physical server the virtual server is positioned on)



After server maintenance, when only virtualization management software is used, on top of the time it takes to bring the VM guest back to the original host server one by one, there is a high risk of human error occurring



Power consumption is visualized and used as the basic data for power-saving measures

- The power consumption is recorded per ICT resource, for example, chassis, server, UPS, and etc.
- Trends in the power consumption are displayed as a graph or output to a CSV file



Integrated Monitoring



Integrated monitoring products



Operating Environments



	Software	Function			
OS	Windows Server 2008 Windows Server 2008 R2 ^(*1) Windows Server 2012 Windows Server 2012 R2	Management Server (Manager)			
Browser	Microsoft Internet Explorer 8 Microsoft Internet Explorer 9 ^(*2) Microsoft Internet Explorer 10 Microsoft Internet Explorer 11	Management Client			
Virtualization software	VMware Hyper-V	Hypervisor			
*1: This is supported on SP2 or later. *2: The web client must use the Compatibility View function.					
	Hardware	Function			
Server	PRIMERGY BX/RX/TX	Management Server (Manager)			

Note: Contact Fujitsu technical support for details on applying this to PRIMEQUEST.



Functional Overview of ServerView Resource Orchestrator Cloud Edition XOC Pack V1

Infrastructure Monitoring + ServerView Resource Orchestrator Cloud Edition

Features which have been added in Express XOC Pack

ServerView ROR Cloud Edition XOC Pack V1



• Integrated monitoring of a virtualized collection of virtual servers and physical servers

Heartbeat monitoring (ping), hardware monitoring (trap)

- The administrator is notified by mail when a serious problem has occurred
- The server is switched automatically by the fault predictor and recovered automatically from the server fault
- Resource pooling
- Automation of the whole process from usage application to batch-deployment



Managing Private Cloud Infrastructures





*1 This is the business system infrastructure which comprises the combined virtual and physical resources



Speedy provision of a logical platform is possible

Based on the template specified by the user, it is possible to automatically deploy logical platforms on which virtual servers or physical servers or both can co-exist







- The overload/non-overload state can be understood via visualization of the resource usage per VM host
- In order to resolve the VM host overload, it is possible to determine the relocation of virtual servers without overlapping load peaks by using a relocation simulation



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