Data Sheet FUJITSU Software ServerView® Suite
ServerView® Integration

Integration of Fujitsu PRIMERGY server in Enterprise Management Systems.

- VMware vCenter / vSphere
- MICROSOFT® SCOM 2012 SP1/R2
- MICROSOFT® SCCM 2012 & 2012 R2
- MICROSOFT® SCVMM 2012 SP1/R2
- NAGIOS® / ICINGA®
- HP SYSTEM INSIGHT MANAGER (SIM)
- CA SPECTRUM®
- MICROSOFT® SCOM 2012 SP1/R2

ServerView Integration

ServerView® Integration Packs and best practice information enable the seamless and easy integration of Fujitsu PRIMERGY servers in enterprise management systems.

PRIMERGY servers can thus be monitored and managed from a central management console as a single point of control and administration for heterogeneous environments.

Standardized protocols and interfaces used with ServerView form the communication base for integrating PRIMERGY servers into Enterprise Management Systems.

ServerView integration modules make integration easy and provide more detailed information about the status of PRIMERGY servers at the event console of an Enterprise Management System. This “event/trap integration” allows monitoring of PRIMERGY server events/traps from a central Enterprise Management Console.

The integration modules enable functions, such as network management, application management and software distribution, to be used more easily for PRIMERGY servers.

Resourceful Server Management

FUJITSU Software ServerView® Suite provides all the necessary elements for professionally managing server systems across their lifecycle.

For further information please visit www.fujitsu.com/fts/serverview
## Features and Benefits

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<th>Features</th>
<th>Benefits</th>
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<tr>
<td>■ Use your Enterprise Management System to monitor and manage Fujitsu PRIMERGY servers.</td>
<td>■ Reduce administration costs: Single point of administration for all network devices in a single centrally managed network map.</td>
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<td>■ Automatic network discovery.</td>
<td>■ Reduced configuration times.</td>
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<td>■ Fujitsu PRIMERGY systems are shown on network maps by specific icons, indicating status.</td>
<td>■ Efficient use of all network components and resources.</td>
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<td>■ All events/traps conveyed to event console of enterprise management system.</td>
<td>■ Ensure higher reliability: Continuous monitoring of Fujitsu PRIMERGY server installation including their status.</td>
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<td>■ On the central console of the Enterprise Management Systems, the ServerView Operations Manager console can be launched for detailed analysis.</td>
<td>■ Instant access to detailed information on managed nodes.</td>
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**Note**
- Not all functions described above are available for all Enterprise Management Systems.
Modules for ServerView® Integration

- **VMware vCenter / vSphere**
  Located in the Hosts Monitoring subtab of the vSphere Web Client, the PRIMERGY vCenter Plug-in provides detailed information about PRIMERGY servers. This information includes properties of the system, fans, temperature sensors, power supplies, system processors, memory modules, network, RAID subsystem and hard disks. In addition, the system event log can be viewed including specialized cause and resolution information. It provides the ability to turn the system identification led on/off and start the iRMC Web Interface or a remote console. If the server is a blade, the MMB Configuration Web Application can be started as well.

  Besides monitoring of blade chassis components version 2.1 extends the supported server portfolio by Fujitsu PRIMEQUEST systems and integrates the events of Fujitsu PRIMERGY systems in the vCenter event management.

- **Microsoft System Center Operation Manager (SCOM)**
  The ServerView Suite DVD contains an integration module for the integration of ServerView in System Center Operations Manager (SCOM). Supervision of PRIMERGY servers is realized through monitors for all relevant hard- and software components and allows for a detailed error analysis. ServerView events including ServerView RAID, EMULEX and QLOGIC events are displayed on the SCOM management console and stored in the SCOM database. Also the connection to the agents and their correct operation are monitored. A critical event will result in an alarm. PRIMERGY servers recognized at the discovery are assigned to an own group automatically.

  ServerView Operations Manager and the iRMC web console can be started directly out of the SCCM user interface. Important asset information is provided via Detail View of the Status or Diagram View.

- **Microsoft System Center Configuration Manager (SCCM) and Virtual Machine Manager (SCVMM)**
  System Center Virtual Machine Manager (SCVMM) uses functions of System Center Operations Manager (SCOM) to monitor status and availability of virtual and physical servers which are managed by SCVMM.

  ServerView PRO Pack 5.2 for Microsoft System Center extends these monitoring functions by Performance and Resource Optimization (PRO). PRO analyzes the events of ServerView agents and of the ServerView RAID Manager to initiate recovery and optimization actions of the SCVMM. For example, in case the availability of a particular server is affected it might be advisable that the virtual machines of such server are migrated onto a correct working system. With version 5.2 multiple virtual machines can be migrated simultaneously.

- **Microsoft System Center Operation Manager (SCOM) – Blade Integration Pack**
  Using the Blade System Integration Pack also chassis information of the Fujitsu blade server is included in the monitoring of the SCOM console. Hardware events of a blade system are documented by the MMB (Management Blade) and sent to the SCOM server. Here a Fujitsu Blade SNMP Trap service is active and writes such events to the Windows Event Log. Read by SCOM agents this log is forwarded to the SCOM Management Station. There the integration pack is installed and a Fujitsu Blade System Enclosure directory is created. Alarm messages are displayed and analyzed as required on the SCOM Active Alert console. Moreover, the SCOM Console shows the following Enclosure information: MBB, power supply, fans, temperature, connection blades, KVM, server and storage blades. Version 6.0 offers an enhanced Enclosure Search tool and support for IPV6.

- **Microsoft System Center Operation Manager (SCOM) and Essentials (SCE) – PRIMEQUEST x86 Integration Pack**
  Using the PRIMEQUEST x86 Integration Pack also chassis information of the Fujitsu PRIMEQUEST x86 servers is included in the monitoring of the SCOM console. Functionality and operation is equivalent to the Blade Management Pack.

  The integration pack is installed at the SCOM Management Station and a Fujitsu PRIMEQUEST x86 System Enclosure directory is created.

- **Microsoft System Center Configuration Manager (SCCM) – Update**
  ServerView Integration Pack for Microsoft SCCM allows for managing BIOS, firmware and driver of computer systems from Fujitsu Technology Solutions by Microsoft System Center Configuration Manager.

  Inventory data of components installed on PRIMERGY servers are automatically provided to SCCM Resource Explorer. The System Center Update Publisher (SCUP) ensures that SCCM has the current software catalogue in the access.

  With a target / actual comparison may be the need of an update identified and, where appropriate, distributed and installed.

  In the current version BIOS and firmware updates are accomplished via ASPs (Autonomous Support Packages) and drivers via PSPs (PRIMERGY Support Packages).

  ServerView Operations Manager and the iRMC web console can be started out of the SCCM user interface.
Modules for ServerView® Integration

■ Microsoft System Center Configuration Manager (SCCM) – Deployment
The ServerView Deployment Pack is intended to enable users to configure and deploy Fujitsu Technology Solution's PRIMERGY servers using Microsoft System Center Configuration Manager. It depends on the ServerView Scripting Toolkit for tools and scripts to configure the hardware of PRIMERGY servers. The ServerView Deployment Pack makes use of these tools and scripts.
All necessary drivers for PRIMERGY servers can be imported from ServerView Installation Manager and incorporated within SCCM WinPE images using tools provided with the ServerView Deployment Pack.
Menu entries are provided to allow building WinPE images for deployment and OS-specific driver packages from the ServerView Installation Manager DVD and to incorporate the ServerView Scripting Toolkit as a package into SCCM.
Further functions included in the Deployment Pack:
- post Installations Paket incl. User Interface
- bare metal task sequence for UEFI BIOS and for the Post Installation Task
- a simplified RAID configuration
- command line tools in addition to SCCM templates
- selective import of SWIM WinPE images
The latest version 2.4 allows via PowerShell Interface a bare metal configuration of the server.
In addition to this integration in SCCM you have the option to start a Bare-Metal PRIMERGY Server Deployment directly from the System Center Virtual Machine Manager. All required configurations for this procedure are described in a White Paper on the Fujitsu manual server:

■ Nagios / Icinga
The Fujitsu Server Plug-in for NagiosCore can be used under Nagios, Icinga or other NagiosCore variants to get information about PRIMERGY servers as well as about PRIMEQUEST servers.
The plug-in provides an overall hardware status of all monitored servers and reports in depth details like power consumption, temperatures, fan speed and many other hardware issues.
With Version 3.0 the support of ServerView Agentless Service via iRMC S4 is available.
As of ServerView V1 1.13.01 the Fujitsu Server Plug-in for NagiosCore is also shipped via the ServerView DVD 1. Additionally, the plug-in is offered for download from the Nagios website.

■ HP Systems Insight Manager (SIM)
System events are forwarded to a central console by using alarm management functions of HP SIM. Events are based on „Management Information Bases“ (MIBs) which are included in ServerView. With ServerView Suite all PRIMERGY servers of Fujitsu Technology Solutions are managed.

■ CA Spectrum
The integration into CA Spectrum is based on ServerView 4.90.09 and is released and delivered beginning with CA Spectrum Infrastructure Manager 9.1.2.

Fujitsu ManageNow® and ServerView
ManageNow® is a portfolio of modular solutions from Fujitsu which effect after easy, automated implementation an efficient IT operations management for heterogeneous IT environments. Due to the high level of automation and consolidation of IT infrastructure management, operating costs can be improved by up to 40%.
ManageNow® solution packages comprise finely tuned components: Software – including modules of the FUJITSU Software ServerView Suite – along with deployment, customization and support services. www.fujitsu.com/fts/managenow

Delivery
ServerView Integration Packs can be downloaded from the Internet: http://support.ts.fujitsu.com/Download/
* Driver Quicksearch: „ServerView Integration“.
In addition, ServerView Integration Packs into management solutions from Microsoft, VMware, HP and Nagios are also available on the ServerView Suite DVD 1 (link to online version of DVD).

Documentation
For an overview of all available documentation on the ServerView Suite as well as its filing structure, please see the Sitemap: ServerView Suite.
Software Requirements

- **For all Integration Packages**
  - Current ServerView agents

- **ServerView Plug-in for VMware vCenter**
  - vCenter / vSphere V5.1, V5.5
  - Windows 2008 R2 (x64)
  - Windows 2012
  - Windows 2012 R2
  - Linux SLES11 SP2 on VMware Appliance (vCenter 5.1)
  - Linux SLES11 SP2 on VMware Appliance (vCenter 5.5)

- **ServerView Integration 7.0 for MS SCOM 2012 Management Station**
  - Microsoft System Center Operations Manager 2012
  - Microsoft System Center Operations Manager 2012 SP1
  - Microsoft System Center Operations Manager 2012 R2
  - Windows 2008 SP1 (x64)
  - Windows 2008 R2 (x64)
  - Windows 2012
  - Windows 2012 SP1
  - Windows 2012 R2
  - ServerView Operations Manager from 5.00
  - ServerView RAID from V3.1.9

  **Managed Nodes**
  - Windows 2008 SP1 (x64)
  - Windows 2008 R2
  - Windows 2012
  - Windows 2012 SP1
  - Windows 2012 R2
  - ServerView Windows Agents from V6.00

- **ServerView PRO Pack 5.2 for MS SCOM/SCVMM 2012 Management Station**
  - Microsoft System Center Operations Manager 2012 SP1
  - Microsoft System Center Operations Manager 2012 R2
  - Microsoft System Center Virtual Machine Manager 2012 SP1
  - Microsoft System Center Virtual Machine Manager 2012 R2
  - Windows 2012 SP1
  - Windows 2012 R2

  **Managed Nodes**
  - ServerView Agents from 5.10.05 (nicht 5.50)
  - ServerView RAID from V5.0.0
  - Windows 2012 SP1
  - Windows 2012 R2

- **Blade Integration Pack 5.0 for MS SCOM 2012 Management Station**
  - Windows 2008 R2 SP1 (x64)
  - Windows 2012 SP1
  - Microsoft System Center Operations Manager 2012 SP1
  - Microsoft System Center Operations Manager 2012 R2

  **Blade Chassis**
  - BX400, BX600, BX900

- **PRIMEQUEST x86 Integration Pack for MS SCE/SCOM 2007 Management Station**
  - Windows 2008 SP1 (x86 and x64)
  - Windows 2008 R2 (x64)
  - Microsoft System Center Operations Manager 2007 SP1
  - Microsoft System Center Operations Manager 2007 R2
  - Microsoft System Center Essentials 2007 SP1
  - Microsoft System Center Essentials 2010

  **PRIMEQUEST**
  - PRIMEQUEST 1400 and 1800 models

- **ServerView Integration 5.0 for MS SCCM (Update) Management Station**
  - Windows 2008 SP2 (x86 and x64)
  - Windows 2008 R2 (x64)
  - Windows 2008 R2 SP1 (x64)
  - Windows 2012
  - Windows 2012 R2
  - Microsoft System Center Configuration Manager 2012
  - Microsoft System Center Configuration Manager 2012 SP1
  - Microsoft System Center Configuration Manager 2012 R2
  - Microsoft Windows Update Service (WSUS) 3.0
  - ServerView Agents from 6.00
  - ServerView Operations Manager from 4.61 incl. JRE from V6.5

  **Managed Nodes**
  - Windows 2008 (x86 and x64)
  - Windows 2012
  - Windows 2012 R2
  - ServerView Agents from V4.70

- **ServerView Integration 2.3 for MS SCCM (System Preparation) Management Station**
  - Windows 2008 (x64)
  - Windows 2008 R2
  - Windows 2012
  - Windows 2012 R2
  - WinPE 3, 4 and 5 Deployment Environment
  - Microsoft System Center Configuration Manager 2012
  - Microsoft System Center Configuration Manager 2012 SP1
  - Microsoft System Center Configuration Manager 2012 SP1 (CU2)
  - Microsoft System Center Configuration Manager 2012 R2 (CU1)
  - ServerView Installation Manager from V10.12.01
  - ServerView Scripting Toolkit from V3.5.02

  **Managed Nodes**
  - Windows 2008 (x64)
  - Windows 2008 R2
  - Windows 2012
  - Windows 2012 R2
Software Requirements

- **ServerView Integration 1.4 in HP Systems Insight Manager**
  - HP SIM 6.0 – 7.2
  - ServerView Operations Manager from V4.2 – V6.10, V6.30 (V6.20 should not be used for HP-SIM integration)
  - Latest SNMP MIBs
  - Baseboard management controllers in Fujitsu PRIMERGY Servers (iRMC, iRMC S2, iRMC S3) are identified as BMCs. After both, the PRIMERGY server and its BMC, have been integrated into HP SIM the BMC is associated to the PRIMERGY server automatically.
  - Please note: iRMC S4 cannot be detected as a BMC within HP SIM. Therefore an association to the hosting server is not possible.

- **ServerView Integration for NagiosCore Management Station**
  - On the Nagios/Icinga server Perl Net::SNMP must be available.
  - **Managed Nodes**
    - The PRIMERGY servers which shall be monitored must have ServerView SNMP agents installed.
    - Supported ServerView SNMP Agent Version: V5 or higher.
    - These ServerView SNMP agents have to be configured for read access via SNMP by the Nagios/Icinga server.

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**ServerView Integration packs offered on ServerView DVD (partial view)**
More Information

In addition to FUJITSU Software ServerView® Suite, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation’s reliability.

More Information
Learn more about FUJITSU Software ServerView® Suite, please contact your Fujitsu sales representative, Fujitsu business partner, or visit our website.
www.fujitsu.com/fts/serverview

Fujitsu Green Policy Innovation
Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at www.fujitsu.com/global/about/environment/

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