

Data Sheet

FUJITSU Software ServerView® Suite

ServerView® RAID Manager v7

Central and uniform management of RAID configurations

Overview

FUJITSU Software ServerView® RAID Manager provides uniform administration and monitoring of host-based hardware and software RAID solutions from different vendors on different platforms.

It hides hardware and firmware implementation details and allows for administration and configuration of Fujitsu PRIMERGY and PRIMEQUEST RAID solutions via a HTML based User interface for monitoring as well as a Java based Graphical User Interface. A scriptable command line utility is also available.

ServerView RAID Manager supplements the standard PRIMERGY and PRIMEQUEST server installation and configuration product ServerView Installation Manager with respect to RAID management. As part of the FUJITSU Software ServerView Suite, ServerView RAID Manager is integrated in the user interface of ServerView. This enables for a central and uniform management of RAID configurations.

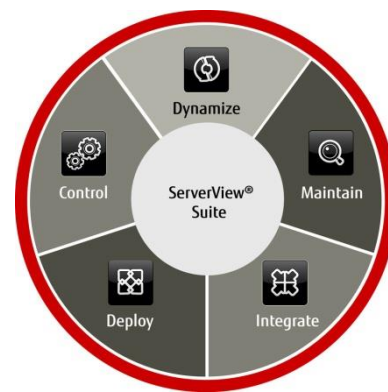
However it is also possible to use ServerView RAID Manager as a stand-alone solution.

ServerView RAID Manager supports current and future RAID solutions of Fujitsu Solutions and the major operating systems.

Scope

FUJITSU Software ServerView® RAID Manager allows the use of latest cost/performance optimized RAID hardware in Fujitsu PRIMERGY and PRIMEQUEST servers without confronting users with new configuration methods and administration software.

Users benefit from the provided stable and efficient interfaces reducing their efforts to a minimum.



ServerView®

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

Main features	User's benefits
<ul style="list-style-type: none"> ■ Vendor independent RAID configuration ■ Local & remote management of RAID solutions ■ RAID status monitoring and event logging ■ Integration into FUJITSU Software ServerView Suite ■ Comfortable configuration and installation via Wizards ■ Secure transmission via TLS 1.2 and higher ■ Supports operating systems: Linux, Windows and VMware ESXi ■ Support of Advanced Host Controller Interface (AHCI) devices ■ Scriptable command line utility for batch execution 	<ul style="list-style-type: none"> ■ Less efforts through unified management ■ High flexibility ■ Increased availability of server farm ■ Centralized remote administration ■ Lower operational costs of server administration ■ Secured against unauthorized use ■ Support of all mainstream platforms ■ Low-priced entry to data security ■ Easy integration in existing management solutions

ServerView® RAID Manager V7

Functions

• Controller configuration

FUJITSU Software ServerView® RAID Manager maps vendor specific RAID functionality to a platform independent basis and allows for configuration of all known parameters accessible via the vendor specific tools. This includes support of Flash Backup Units and the premium Advanced Software Options MegaRAID® FastPath™, MegaRAID® CacheCade™ and MegaRAID® SafeStore™.

Configuration via ServerView RAID Manager is supported by current and future operating systems for Fujitsu PRIMERGY and PRIMEQUEST servers.

• Use of existing RAID configurations

Having installed ServerView RAID Manager software on target servers ServerView RAID Manager allows for continuous and transparent management of the already existing RAID configuration.

• Configuration of multiple identical servers

ServerView RAID Manager integrates into Fujitsu's standard setup and deployment solutions as ServerView Installation Manager allowing for multi-server installation.

RAID configuration can be distributed on several servers via the Save/Restore Configuration function of the ServerView RAID Manager Command Line Tool.

• Installation & Deployment

When using ServerView Installation Manager the hardware configuration of a target system is analyzed by this installation tool. The RAID subsystem is recognized automatically and the RAID configuration parameters (RAID Controller, RAID group, disk layout etc.) can be set via the Installation Manager dialog. These settings are automatically and transparently used within the installation modes of ServerView Installation Manager by means of ServerView RAID Manager.

• Secure access

ServerView RAID Manager provides secure communication by means of TLS 1.2 and higher.

For user authentication the respective operating system primitives are used. By default all system administrators can gain configuration access to ServerView RAID Manager. In addition a user group for specialized RAID administration can be created.

Alternatively, ServerView RAID Manager can be integrated into the overall ServerView Suite's authentication and authorization concept via CAS and LDAP.

• Extended functionality

Scheduler

The scheduler is used to automate cyclically the recurring maintenance commands. For example, a Patrol Read can be called at regular intervals to protect data integrity by detecting disk failure before the failure can damage data.

E-Mail Log

ServerView RAID Manager can also be configured so that events appear not only as SNMP Trap or in the system event recording but can also be sent as an e-mail e.g. to a service provider.

Technical requirements

• Server Hardware

- Fujitsu PRIMERGY and PRIMEQUEST servers with LAN and HTTP access, min. 80 MB free disk space.
In addition disk space for the log files has to be provided. This depends on the settings in ServerView RAID Manager.

• Browser and Runtime environment

- x86-based computer, LAN and HTTP/S access
- Microsoft Windows:
 - Internet Explorer 11 (not supported with HTML5 User interface)
 - Microsoft Edge (latest version recommended)
 - Google Chrome (latest version recommended)
(For Oracle Java <= V44 required)
- Linux:
 - Mozilla Firefox Browser (latest version recommended)
(For Oracle Java <=V51 required)
 - Google Chrome (latest version recommended)
(For Oracle Java <= V44 required)
- OpenJDK (Adoped OpenJDK V8 recommended)

Supported systems

- All released and future Fujitsu PRIMERGY and PRIMEQUEST servers with their corresponding RAID solutions and operating systems.
- Monitoring of SAS HBAs
- Endurance Monitoring for:
 - SSDs (SAS, SATA)
 - PCIe-SSDs

User requirements

System administration knowledge is required for the used operating systems. User interface is internationalized.

Delivery and installation

ServerView RAID Manager is delivered as a part of the ServerView Suite DVD media kit gratuitously with each PRIMERGY and PRIMEQUEST server. Additionally, the ServerView Internet webpage (www.fujitsu.com/fts/serverview) offers a download option of the ServerView DVD images and the ServerView Raid packages for Windows and Linux.

Documentation

The documentation on the FUJITSU Software ServerView Suite can be downloaded from the Internet:
manuals.ts.fujitsu.com/index.php?id=5406-5873-5925-5945-5957.

For an overview of all available documentation on the ServerView Suite as well as its filing structure, please see the [Sitemap: ServerView Suite](#).

More information

Fujitsu OPTIMIZATION Services

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

Built 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 offerings. This allows customers to select from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing products

www.fujitsu.com/global/services/computing/

Software

www.fujitsu.com/software/

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/serveview

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/



Copyrights

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded.

Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

For further information see

www.fujitsu.com/fts/resources/navigation/terms-of-use.html

©2019 Fujitsu Technology Solutions GmbH

Disclaimer

Technical data is subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

Contact

Fujitsu Technology Solutions GmbH

Website: www.fujitsu.com/fts
2019-06-12 CE-EN

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded.

Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.

For further information see www.fujitsu.com/fts/resources/navigation/terms-of-use.html

©2019 Fujitsu Technology Solutions GmbH