Data Sheet

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PRIMERGY Management ServerView® Installation Manager (ServerStart) V7.8xx
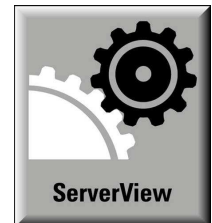
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Configure and install PRIMERGY servers

ServerView® Installation Manager is the tool to configure PRIMERGY servers and install operating system and management software.

As part of the PRIMERGY ServerView Suite the Installation Manager provides fast and secure configuration and installation. It can install servers either unattended or menu-driven, locally or remote.

In preparation for the required operating system all configurable server components are identified and the necessary tools and drivers are provided automatically.

ServerView

Installation Manager functions:

The Installation Manager offers several operating modes for different cases of operation: During the "Quick Installation" and "guided installation" a server is configured step-by-step whereas each input is checked for plausibility. The installation description file emerging in the process can be used to install further servers with identical configurations unattended.

By using the "Server Configuration Utility" (SCU) the Installation Manager covers the BIOS setting, for example recovery functions (ASR&R Automatic Server Reconfiguration and Restart) and the Baseboard Management Controller (iRMC/BMC).

Furthermore the Installation Manager provides the opportunity to install additional ServerView Suite components as well as updates, drivers and service packs.

The Installation Manager is supplied as part of the PRIMERGY ServerView Suite which contains not only the installation software but also tools for the first installation and later upgrades. Additionally other server management software products as well as documentation and drivers are enclosed but no operating systems or tools which are offered as separate products.

The ServerView Suite package is available for update as an annual subscription (about 10 editions per year). As of version 7.804 the suite may be ordered for a single update too.

Key Characteristics and customer benefits:

- Decrease administration costs:
  - o flawless quality controlled configuration
  - o reproducible **totally unattended** installation of operating systems
  - o Software is supplied **for free**
- Guarantees reliability and availability:
  - o automatic hardware detection
  - o safe configuration
  - o correct and reproducible installation
- Cut down service expenses
  - o local or remote application update installation
  - o multiple system installation processes in parallel

Functions

Server installation

The configuration and installation of a PRIMERGY server is carried out either locally by booting from the Installation Manager DVD or remote via PXE-Boot.

The remote installation process of a target system is "headless" i.e. local mouse, keyboard, monitor and accessible drives are not required. The configuration data and operation flow is saved on diskette, USB device, a network drive or in the NVRAM of the iRMC Remote Management Controller.

Create service partitions

At older systems on which online update isn't possible yet a corresponding service partition for the ServerView Update Manager can be created on the target system.

This option is no longer needed for new servers and thus no longer offered!

RAID configuration

The Installation Manager configures the RAID system and defines drives and partitions using unattended and therewith automated ServerView RAID functions.

Driver configuration

The Installation Manager contains drivers for all supported operating systems. These and more can be ordered via Internet as well: http://support.fujitsu-siemens.de or http://support.fujitsu-siemens.com.

Non-conforming system components

The Installation Manager detects PRIMERGY system components which are not supported by the selected operating system and installs the respective drivers automatically.

Boot via iSCSI

Support of the "iSCSI Boot initiator" via Wizard (this is available in the System Configuration Utility Tool Collection on the ServerStart DVD – but only applicable in local attended mode!).

Subsequent to a standard Microsoft® Windows installation to a local hard disk, the operating system just installed can be transferred to a previously configured "iSCSI target".

Boot via USB stick

For that purpose the ServerStart DVD image must be copied to a bootable USB stick. The description of the process steps are provided in the 'tools' directory on the Installation Manager DVD. There is also a sample script (mkusb.bat) for stick filling available which can be started directly in the DVD root directory.

Supported servers

ServerStart / Installation Manager as of version 7.804 supports the following PRIMERGY servers:

Blade servers:
- o BX620 (S2 to S4)
- o BX630 S2

Rack servers
- o RX100 (S3 to S5)
- o RX200 (S3 and S4)
- o RX300 (S3 and S4)
- o RX330

Tower servers:
- o TX120
- o TX150 (S4 to S6)
- o TX200 (S3 and S4)
- o TX300 (S3 and S4)

Economy servers:
- o Econel 100 (S1 and S2)
- o Econel 200 S2
- o Econel 230R

Supported operating systems

ServerStart / installation Manager as of version 7.804 supports the installation of the following operating systems:

■ **Microsoft Windows**
  Installation: local or remote, interactive or unattended. The following versions are supported:
  - **Windows Server 2008** in 32 and 64 bit versions, if available:
    - o Standard Edition
    - o Enterprise Edition
    - o Datacenter Edition
    - o Windows Web Server 2008
  - **Windows Server 2003 R2**   (all editions, including **S**mall **B**usiness **S**erver **2003 R2**),
  - **Windows Server 2003 R2 x64**   (all editions,
  - **Windows Server 2003**   (including **SBS 2003**)
  - **Windows Server 2003 x64**   (all editions,

■ **Linux (SuSE and Red Hat)**
  Installation: local or remote, interactive or unattended. The following versions are supported:
  - **S**USE **L**inux **E**nterprise **S**erver 10
    Edition **i386** and **x86_64**   **(incl. SP1)**
  - **SLES 9**
    Edition **i386** and **x86_64**   (**SP3** and **SP4**)
  - **R**ed **H**at **E**nterprise **L**inux 4.0 (AS, ES, WS)
    Edition **x86** and **EM64T**   (**U5** and **U6**)
  - **RHEL 5.0** incl. XEN Support (Domain 0 installation)
    Edition **x86** and **EM64T**   **(incl. U1)**

■ **VMware ESX 3.0.x and ESX 3.5.0**
  As of V6.711 the PXE-based installation of the guest operating system (Windows or Linux) is supported

Technical prerequisites

Hardware

Management or deployment stations require:
- DVD-ROM and, if the configuration data is to be stored permanently, a replaceable medium (e.g. floppy disk or via USB stick / drive)
- VGA screen (at least 1024x768), keyboard, mouse
- Main memory with at least 512 MB

The target server requires:
- Main memory with min. 512 MB, recommended 1 GB.
- PXE functionality for the remote installation (standard with current PRIMERGY servers)
- DHCP service support within the network

Software

Microsoft Internet Explorer from version 6 is required. The function scale may be restricted with other browsers.

User requirements

Basic knowledge about system administration

Delivery scope of PRIMERGY ServerView Suite

- ServerStart DVD with the Installation Manager software to install x86 or EM64T systems.
- Software CD with all gratuitous software components of the ServerView Suite.
- Update CD Windows to update BIOS, FW, drivers and SV agent
- Update CD Linux to update drivers
- ServerBooks DVD with manuals for PRIMERGY servers, components and Server Management.

The latest documentation is available at the Internet as well: http://manuals.fujitsu-siemens.com.

PRIMERGY ServerView Suite's ordering/shipment

The Installation Manager is delivered as a part of the ServerView Suite gratuitously with each PRIMERGY server.

An update delivery of the each time current version can be ordered at any time via the order number U15000-C289.

Furthermore the annual subscription can still be ordered using the existing order number U15000-C176.

Notes

- ServerView Installation Manager and ServerStart are used as synonym in this document.
- This document can contain technical terms that are not exact and have printing errors. Changes are covered in new versions.
- This document refers to the software product "ServerView Installation Manager". For organizational reasons the software and any provided documentation may contain the former product name "ServerStart".
- Operating systems are not included in the ServerView Suite package.