

Data Sheet

FUJITSU Software ServerView Suite: ServerView Update DVD 12.17.09 & ServerView Update Manager Express

Installing firmware, BIOS and Windows drivers using ASPs and PSPs

Introduction

The Update Manager Express on the Fujitsu Software ServerView® Update DVD installs firmware, BIOS and Windows drivers for various components in Fujitsu PRIMERGY and PRIMEQUEST servers. During the installation the Update Manager Express uses self-extracting and self-installing software packages known as Autonomous Support Packages (ASPs) for BIOS and Firmware or PRIMERGY Support Packages (PSPs) for Windows drivers respectively.

The DVD-ISO-image on the ServerView Update DVD includes a bootable OS (CentOS). With it a Fujitsu PRIMERGY server can be booted and BIOS/FW updates can be installed autonomously of the disk storage system within the server.

Additionally, the DVD-ISO-image includes a tool to copy the content of the DVD to a bootable USB stick. With version 12.16.12, there is the additional possibility to generate a bootable ISO image.

Beginning with version 12.17.09 the PSPs are no longer on the ServerView Update DVD because they didn't fit on one double layer 8 GByte Image any more. There will be an additional repository image in the download area that is not bootable but contains the complete actual FW tree including all ASPs and PSPs and will be bigger than 8 GByte.

In contrast to the Update Manager of the FUJITSU Software ServerView Suite which can supply entire data centers with firmware, the Update Manager Express is ideal for locally updating individual systems.

With online Windows and Linux operating systems the firmware and BIOS can be installed using the graphic user interface of the Update Manager Express or via the command line interface (CLI). Additionally, with Windows the possibility to install drivers is given. Prerequisite for the online use are installed ServerView Agents and a 64Bit JAVA Runtime Environment (JRE).

Availability of ASPs and PSPs

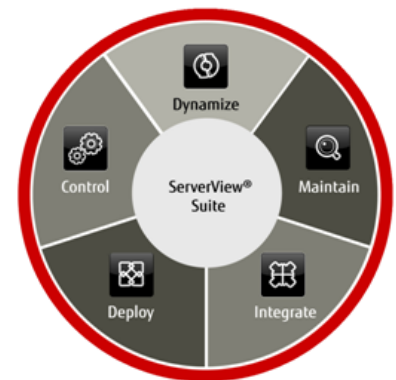
The current ASPs and PSPs can be found:

- in the ServerView Update DVD-ISO image on support.ts.fujitsu.com under Driver & Downloads → server selection → Server Management Software → ServerView Update DVD.
- in the update repository of the ServerView Update Manager on support.ts.fujitsu.com/globalflash.

In addition, the download area now offers a new tool named Content Collector. It allows selecting the relevant BIOS, firmware and drivers for particular systems and components prior to their download from the Update Repository. This firmware tree is then copied to a bootable USB stick. The major benefit is that this way it is no longer necessary to download the entire Update DVD, but only the much smaller ServerView Update DVD Base.

Starting the Update Manager Express via PXE-boot allows a PXE-based mass update of servers. Update Manager Express updates the firm- ware of your hard disk drives via HDD-Flash. This task can be performed either via the graphical user interface or via the CLI of the Update Manager Express.

Additionally Update Manager Express offers the option to collect and store hardware and software information of a PRIMERGY server in a PrimeCollect archive – even when the server was booted with CentOS.



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ServerView Update Manager Express and ASPs

Update Manager Express and ASPs

Using the Update Manager Express or by explicitly calling the ASPs (Autonomous Support Packages), firmware or BIOS can be installed for the following servers and their components:

Fujitsu PRIMERGY Systems BIOS

- BX2560 M1, BX2560 M2, BX2580 M1, BX2580 M2, BX920 S4, BX924 S4
- CX1640 M1, CX2550 M1, CX2550 M2, CX2570 M1, CX2570 M2
- PRIMEQUEST, PQ3800B
- RX100 S8, RX1330 M1, RX1330 M2, RX1330 M3, RX200 S8, RX2510 M2, RX2520 M1, RX2530 M1, RX2530 M2, RX2530 M4, RX2540 M1, RX2540 M2, RX2540 M4, RX2560 M1, RX2560 M2, RX300 S8, RX350 S8, RX4770 M1, RX4770 M2, RX4770 M3, RX4770 M4
- SX131M1, SX150S8, SX350S8
- TX1310 M1, TX1310 M3, TX1320 M1, TX1320 M2, TX1320 M3, TX1330 M1, TX1330 M2, TX1330 M3, TX140 S2, TX150 S8, TX2540 M1, TX2560 M1, TX2560 M2, TX300 S8

LAN Controller

- IB HCA 40Gb 1 port QDR for systems: CX2550 M1, CX2570 M1, RX2530 M1, RX2530 M2, RX2540 M1, RX2540 M2, RX300 S8, RX4770 M1, RX4770 M2, RX4770 M3
- IB HCA 40Gb 2 port QDR for systems: CX2550 M1, CX2570 M1, RX2530 M1, RX2530 M2, RX2540 M1, RX2540 M2, RX300 S8, RX4770 M1, RX4770 M2, RX4770 M3
- Intel Pro 1000 10 GE Server Adapter for systems: RX100 S8, RX200 S8, RX300 S8, RX350 S8, SX350 S8, TX150 S8, TX300 S8
- PLAN EP MCX4121 for systems: PQ3800B, RX2530M4, RX2540M4, RX4770M4
- PLAN EP MCX415 for systems: PQ3800B, RX2530M4, RX2540M4, RX4770M4
- PLAN EP MCX416 for systems: PQ3800B, RX2530M4, RX2540M4, RX4770M4
PLAN EP OCe14102 for systems: CX1640 M1, CX2550 M1, CX2550 M2, CX2570 M1, CX2570 M2, PQ3800B, RX1330 M2, RX1330 M3, RX200 S8, RX2510 M2, RX2530 M1, RX2530 M2, RX2530 M4, RX2540 M1, RX2540 M2, RX2540 M4, RX2560 M1, RX2560 M2, RX300 S8, RX350 S8, RX4770 M1, RX4770 M2, RX4770 M3, RX4770 M4, TX1320 M2, TX1320 M3, TX1330 M2, TX1330 M3, TX2540 M1, TX2560 M1, TX2560 M2, TX300 S8
- PLAN EP QL45212 for system: PQ3800B, RX2510M2, RX2530M2, RX2530M4, RX2540M2, RX2540M4, RX4770M4, TX2560M2
- PLAN EP X550 for system: CX1640M1, CX2550M2, CX2570M2, PQ3800B, RX2510M2, RX2520M1, RX2530M2, RX2530M4, RX2540M2, RX2540M4, RX4770M3, RX4770M4, TX1320M3, TX1330M3, TX2540M1, TX2560M2
- PLAN EP X710 for systems: CX1640 M1, CX2550 M2, CX2570M2, PRIMEQUEST, PQ3800B, RX1330 M1, RX1330 M2, RX1330 M3, RX2510 M2, RX2520 M1, RX2530 M2, RX2530 M4, RX2540 M2, RX2540 M4, RX2560 M2,

- LPe1250 for systems: CX2550 M1, CX2550 M2, CX2570 M1, CX2570 M2, PRIMEQUEST, RX100 S8, RX1330 M1, RX1330 M2, RX1330 M3, RX200 S8, RX2510 M2, RX2520 M1, RX2530 M1, RX2530 M2, RX2540 M1, RX2540 M2, RX2560 M1, RX2560 M2, RX300 S8, RX350 S8, RX4770 M1, RX4770 M2, RX4770 M3, SX350 S8, TX2560 M1, TX2560 M2, TX300 S8
- LPe1600x for systems: CX2550 M1, CX2550 M2, CX2570 M1, CX2570 M2, PRIMEQUEST, RX100 S8, RX200 S8, RX2510 M2, RX2530 M1, RX2530 M2, RX2540 M1, RX2540 M2, RX2560 M1, RX2560 M2, RX300 S8, RX350 S8, RX4770 M1, RX4770 M2, RX4770 M3, SX350 S8, TX2560 M1, TX2560 M2, TX300 S8,
- MC-FC162E for systems: BX2560 M1, BX2560 M2, BX2580 M1, BX2580 M2, BX920 S4, BX924 S4
- MC-FC82E for systems: BX2560 M1, BX2560 M2, BX2580 M1, BX2580 M2, BX920 S4, BX924 S4
- PFC EP LPe3100x for systems: CX2550 M2, CX2570 M2, PRIMEQUEST, PQ3800B, RX2510 M2, RX2530 M2, RX2530 M4, RX2540 M2, RX2540 M4, RX2560 M2, RX4770 M3, RX4770 M4, TX2540 M1, TX2560 M2
- PFC EP LPe3200x for systems: CX2550M2, CX2570M2, PRIMEQUEST, PQ3800B, RX2510M2, RX2530M2, RX2530M4, RX2540M2, RX2540M4, RX4770M3, RX4770M4, TX2540M1, TX2560M2
- PFC EP QLE267x for systems: CX2550 M1, CX2550 M2, CX2570 M1, CX2570 M2, PRIMEQUEST, RX200 S8, RX2510 M2, RX2530 M1, RX2530 M2, RX2540 M1, RX2540 M2, RX2560 M1, RX2560 M2, RX300 S8, RX350 S8, RX4770 M1, RX4770 M2, RX4770 M3, TX2560 M1, TX2560 M2, TX300 S8
- PFC EP QLE269x for systems: CX2550 M2, CX2570 M2, PRIMEQUEST, PQ3800B, RX2510 M2, RX2530 M2, RX2530 M4, RX2540 M2, RX2540 M4, RX2560 M2, RX4770 M3, RX4770 M4, TX2560 M2
- PFC EP QLE274x for systems: PRIMEQUEST, PQ3800B
- QLE2560 for systems: CX2550 M2, PRIMEQUEST, RX100 S8, RX1330 M1, RX1330 M2, RX1330 M3, RX200 S8, RX2510 M2, RX2520 M1, RX2530 M1, RX2530 M2, RX2540 M1, RX2540 M2, RX2560 M2, RX300 S8, RX350 S8, RX4770 M1, RX4770 M2, RX4770 M3, SX350 S8, TX2560 M1, TX2560 M2, TX300 S8
- QLE2562 for systems: CX2550 M2, PRIMEQUEST, RX100 S8, RX1330 M1, RX1330 M2, RX1330 M3, RX200 S8, RX2510 M2, RX2520 M1, RX2530 M1, RX2530 M2, RX2540 M1, RX2540 M2, RX2560 M1, RX2560 M2, RX300 S8, RX350 S8, RX4770 M1, RX4770 M2, RX4770 M3, SX350 S8, TX2560 M1, TX2560 M2, TX300 S8

RX4770 M3, RX4770 M4, TX1320 M2, TX1320 M3, TX1330 M2,
TX1330 M3, TX2540 M1, TX2560 M2

Management Controller

iRMC S5 systems:

- RX4770M4, RX2540M4, RX2530M4, PQ3800B

iRMC S4 systems:

- BX2560 M1, BX2560 M2, BX2580 M1, BX2580 M2, BX920 S4, BX924 S4
- CX1640 M1, CX2550 M1, CX2550 M2, CX2570 M1, CX2570 M2
- RX100 S8, RX1330 M1, RX1330 M2, RX1330 M3, RX200 S8, RX2510 M2, RX2520 M1, RX2530 M1, RX2530 M2, RX2540 M1, RX2540 M2, RX2560 M1, RX2560 M2, RX300 S8, RX350 S8, RX4770 M1, RX4770 M2, RX4770 M3
- SX350 S8
- TX1320 M1, TX1320 M2, TX1320 M3, TX1330 M1, TX1330 M2, TX1330 M3, TX140 S2, TX2540 M1, TX2560 M1, TX2560 M2, TX300 S8

iRMC S3 system:

- SX150 S8, TX150 S8

SAS Controller

for all systems except CX1640 M1, SX131 M1, TX1310 M1, TX1310 M3

Installation of BIOS and Firmware

There are these options for installing BIOS and firmware:

- The graphic user interface of the Update Manager Express is used to install BIOS/firmware/Windows drivers for all server components in a Fujitsu PRIMERGY system either in one go or specifically for individual components.
- The individual ASPs can be started via mouse click on the *.exe file in Windows Explorer and installed via the ASP graphic interface.
- The Windows prompt provides the ASP commands (CLI) with which the installation can be implemented either controlled via the Wizard or in background.
- With Linux the Update Manager Express can be started via a command after the ServerView Update DVD has been mounted. The graphic user interface including the 3 operating modes as described above is not different from that with Windows.
- Also with Linux the ASPs can be directly executed via CLI. If necessary, the installation process can be monitored.
- Furthermore, a CLI enables to use ServerView Update Manager Express in existing or scripted environments.

ServerView Update DVD

The ServerView Update DVD is booted first (CentOS is included in the ServerView Update DVD image) and then Update Manager Express is started. Because the latest Update DVD (from version 11.15.01) uses 64Bit CentOS 7 only server are supported for which 64Bit Red Hat ServerView Linux Agents are available:

For older server models the previous Update DVD version 11.14.11 is still available on the download server. Alternatively ServerView Update DVD Base version 11.14.11 can also be used and loaded with latest firmware selected with the help of the ServerView Content Collector.

ServerView Update Manager Express

If one of the following operating systems already runs on the Fujitsu PRIMERGY server the Update Manager Express can be started directly:

- Microsoft Windows Server 2008 Service Pack 2
Web, Standard, Enterprise, Datacenter, 32 Bit, x64
- Microsoft Windows Server 2008 R2 (also Service Pack 1)
Web, Standard, Enterprise, Datacenter, x64
- Microsoft Windows Server 2012
Microsoft Windows Server 2012 R2
Web, Standard, Enterprise, Datacenter, x64
- Microsoft Windows Server 2016
- SuSE SLES 11 and newer Service Packs
32 Bit and x64
- SuSE SLES 12 and newer Service Packs
- Red Hat 5 and newer Service Packs
32 Bit and x64
- Red Hat 6 and newer Service Packs
- Red Hat 7 and newer Service Packs

Update Manager Express offers 3 operating modes:

- Quick Mode:
the BIOS/firmware installation (update) runs completely automatically on the server components.
- Normal Mode:
BIOS/firmware/Windows drivers which is/are to be updated can be selected specifically.
- Expert Mode:
additionally, an older BIOS/firmware/Windows driver version can be reset.

ServerView Update Manager Express and ASPs

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Software

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