

Data Sheet

FUJITSU Software ServerView Suite

ServerView Update DVD 12.19.10

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 and BIOS 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.

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 PRIMERGY Support Packages (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 ServerView Update DVDs are ideal for locally updating individual systems.

With online Windows and Linux operating systems the firmware and BIOS can be installed using the ServerView System Monitor in combination with the ServerView Repository Image or if the server has internet connection with the Fujitsu online Repository.

The ServerView System Monitor is part of the ServerView Agents.

Availability of ASPs and PSPs

The current ASPs and PSPs can be found:

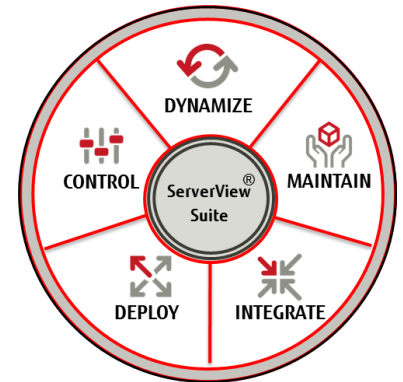
- in the ServerView Update Repository Image on support.ts.fujitsu.com under Driver & Downloads → server selection → Server Management Software → ServerView Update Repository Image.
- in the update repository of the ServerView Update Management on support.ts.fujitsu.com/globalflash.

In addition, the download area offers a 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 or ISO Image. 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 firmware 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 in Expert Mode.

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.



ServerView®

Resourceful Server Management

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

For further information please visit <http://www.fujitsu.com/fts/serverview>

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, CX2550 M4, CX2550 M5, CX2560 M4, CX2560 M5, CX2570 M1, CX2570 M2, CX2570 M4, CX2570 M5
- PRIMEQUEST PQ3800B, PQ3800B2
- RX100 S8, RX1330 M1, RX1330 M2, RX1330 M3, RX1330 M4, RX200 S8, RX2510 M2, RX2520 M1, RX2520 M4, RX2520 M5, RX2530 M1, RX2530 M2, RX2530 M4, RX2530 M5, RX2540 M1, RX2540 M2, RX2540 M4, RX2540 M5, RX2560 M1, RX2560 M2, RX300 S8, RX350 S8, RX4770 M1, RX4770 M2, RX4770 M3, RX4770 M4, RX4770 M5
- SX131M1, SX150S8, SX350S8
- TX1310 M1, TX1310 M3, TX1320 M1, TX1320 M2, TX1320 M3, TX1320 M4, TX1330 M1, TX1330 M2, TX1330 M3, TX1330 M4, TX140 S2, TX150 S8, TX2540 M1, TX2550 M4, TX2550 M5, TX2560 M1, TX2560 M2, TX300 S8

Management Controller

iRMC S5 systems:

- CX2550 M4, CX2550 M5, CX2560 M4, CX2560 M5, CX2570 M4, CX2570 M5, PQ3800 B, PQ3800 B2, RX1330 M4, RX2520 M4, RX2520 M5, RX2530 M4, RX2530 M5, RX2540 M4, RX2540 M5, RX4770 M4, RX4770 M5, TX1320 M4, TX1330 M4, TX2550 M4, TX2550 M5

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

Micro Controller

- PRAID BU100 SD for systems
CX2550 M4, CX2560 M4, CX2570 M4, PQ3800 B, PQ3800 B2
RX1330 M4, RX2520 M4, RX2520 M5, RX2530 M4, RX2530 M5,
RX2540 M4, RX2540 M5, RX4770 M4, RX4770 M5,
TX1320 M4, TX1330 M4, TX2550 M4, TX2550 M5

SAS Controller

for all systems except

- CX1640 M1, CX2550 M4, CX2570 M5,
SX131 M1, TX1310 M1, TX1310 M3

LAN Controller

- Intel Pro 1000 10 GE Server Adapter for systems:
RX100 S8, RX200 S8, RX300 S8, RX350 S8, SX150 S8, SX350 S8,
TX140 S2, TX150 S8, TX300 S8
- PLAN EM 722 LOM for systems:
CX2560 M4, CX2560 M5, CX2570 M4, CX2570 M5, RX2530 M4,
RX2530 M5, RX2540 M4, RX2540 M5, RX4770 M4, RX4770 M5,
TX2550 M4, TX2550 M5
- PLAN EP MCX4121 for systems:
CX2550 M4, CX2550 M5, CX2560 M4, CX2560 M5, CX2570 M4,
CX2570 M5, PQ3800 B, PQ3800 B2
RX1330 M4, RX2520 M4, RX2520 M5, RX2530 M4, RX2530 M5,
RX2540 M4, RX2540 M5, RX4770 M4, RX4770 M5,
TX1320 M4, TX1330 M4, TX2550 M4, TX2550 M5
- PLAN EP MCX415 for systems:
CX2550 M4, CX2550 M5, CX2560 M4, CX2560 M5, CX2570 M4,
CX2570 M5, PQ3800 B, PQ3800 B2,
RX2520 M4, RX2520 M5, RX2530 M4, RX2530 M5, RX2540 M4,
RX2540 M5, RX4770 M4, RX4770 M5, TX2550 M4, TX2550 M5
- PLAN EP MCX416 for systems:
CX2550 M4, CX2550 M5, CX2560 M4, CX2560 M5, CX2570 M4,
CX2570 M5, PQ3800 B, PQ3800 B2
RX2520 M4, RX2530 M5, RX2530 M4, RX2530 M5, RX2540 M4,
RX2540 M5, RX4770 M4, RX4770 M5, TX2550 M4, TX2550 M5
- PLAN EP OCe14102 for systems:
CX1640 M1, CX2550 M4, CX2560 M4, CX2570 M4, PQ3800 B,
RX1330 M2, RX1330 M3, RX200 S8, RX2510 M2, RX2520 M4,
RX2520 M5, RX2530 M1, RX2530 M2, RX2540 M1, RX2540 M2,
RX2560 M1, RX2560 M2, RX300 S8, RX350 S8,
RX4770 M1, RX4770 M2, RX4770 M3, RX4770 M4, SX350 S8,
TX1320 M2, TX1320 M3, TX1330 M2, TX1330 M3,
TX2550 M4, TX2560 M1, TX2560 M2, TX300 S8
- PLAN EP QL41112 for system:
PQ3800 B, PQ3800 B2, RX1330 M4, RX2520 M5, RX2530 M4,
RX2530 M5, RX2540 M4, RX2540 M5, RX4770 M4, RX4770 M5,
TX2550 M4, TX2550 M5
- PLAN EP QL41132 for system:
PQ3800 B, RX1330 M4, RX2530 M4, RX2530 M5, RX2540 M4,
RX2540 M5, RX4770 M4, RX4770 M5, TX2550 M4, TX2550 M5
- PLAN EP QL41134HCLU for system:
RX2530 M4, RX2530 M5, RX2540 M4, RX2540 M5, RX4770 M5,
TX2550 M5
- PLAN EP QL41134HCRJ for system:
RX2530 M5, RX2540 M5, RX4770 M5, TX2550 M5
- PLAN EP QL41212 for system:
CX2550 M5, CX2560 M5, CX2570 M5, RX2530 M4, RX2530 M5,
RX2540 M4, RX2540 M5, RX4770 M5, TX2550 M5
- PLAN EP QL45212 for system:
CX2550 M4, CX2560 M4, CX2570 M4, RX2510 M2, RX2520 M4,
RX2530 M2, RX2540 M2, RX2560 M2, RX4770 M4, TX2550 M4,
TX2560 M2

ServerView Update Manager Express and ASPs

- PLAN EP QL45611 for system:
CX2550 M4, CX2550 M5, CX2560 M4, CX2560 M5, CX2570 M4, CX2570 M5, PQ3800 B, RX2520 M4, RX2530 M4, RX2530 M5, RX2540 M4, RX2540 M5, RX4770 M4, RX4770 M5, TX2550 M4, TX2550 M5
 - PLAN EP X550-T2 for system:
CX1640 M1, CX2550 M2, CX2550 M4, CX2550 M5, CX2560 M4, CX2560 M5, CX2570 M2, CX2570 M4, CX2570 M5, PQ3800 B, PQ3800 B2, RX1330 M3, RX1330 M4, RX2510 M2, RX2520 M1, RX2520 M4, RX2520 M5, RX2530 M2, RX2530 M4, RX2530 M5, RX2540 M2, RX2540 M4, RX2540 M5, RX2560 M2, RX4770 M3, RX4770 M4, RX4770 M5, TX1320 M3, TX1320 M4, TX1330 M3, TX1330 M4, TX2540 M1, TX2550 M4, TX2550 M5, TX2560 M2
 - PLAN EP X710 for systems:
CX1640 M1, CX2550 M2, CX2550 M4, CX2550 M5, CX2560 M4, CX2560 M5, CX2570 M2, CX2570 M4, CX2570 M5, PQ3800 B, PQ3800 B2, RX1330 M1, RX1330 M2, RX1330 M3, RX1330 M4, RX2510 M2, RX2520 M1, RX2520 M4, RX2520 M5, RX2530 M2, RX2530 M4, RX2530 M5, RX2540 M2, RX2540 M4, RX2540 M5, RX2560 M2, RX4770 M3, RX4770 M4, RX4770 M5, TX1320 M2, TX1320 M3, TX1320 M4, TX1330 M2, TX1330 M3, TX1330 M4, TX2540 M1, TX2550 M4, TX2550 M5, TX2560 M2
- ## FC / CNA Controller
- LPe12002 for systems:
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, TX2560 M1, TX2560 M2, TX300 S8
 - LPe1250 for systems:
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, TX2560 M1, TX2560 M2, TX300 S8
 - LPe1600x for systems:
CX2550 M1, CX2550 M2, CX2570 M1, CX2570 M2, 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, CX2560 M4, CX2560 M5, CX2570 M2, CX2570 M4, PQ3800 B, PQ3800 B2, RX1330 M4, RX2510 M2, RX2520 M4, RX2520 M5, RX2530 M2, RX2530 M4, RX2530 M5, RX2540 M2, RX2540 M4, RX2540 M5, TX2550 M4, TX2550 M5, TX2560 M2
 - PFC EP LPe3200x for systems:
CX2550 M2, CX2560 M4, CX2560 M5, CX2570 M2, CX2570 M4, PQ3800 B, PQ3800 B2, RX1330 M4, RX2510 M2, RX2520 M4, RX2520 M5, RX2530 M2, RX2530 M4, RX2530 M5, RX2540 M2, RX2540 M4, RX2540 M5, RX2560 M2, RX4770 M3, RX4770 M4, RX4770 M5, TX2540 M1, TX2550 M4, TX2550 M5, TX2560 M2
 - PFC EP QLE267x for systems:
CX2550 M1, CX2550 M2, CX2570 M1, CX2570 M2, 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
 - PFC EP QLE269x for systems:
CX2550 M2, CX2560 M4, CX2560 M5, CX2570 M2, CX2570 M4, PQ3800 B, PQ3800 B2, RX1330 M4, RX2510 M2, RX2520 M4, RX2520 M5, RX2530 M2, RX2530 M4, RX2530 M5, RX2540 M2, RX2540 M4, RX2540 M5, RX2560 M2, RX4770 M3, RX4770 M4, RX4770 M5, TX2550 M4, TX2550 M5, TX2560 M2
 - PFC EP QLE274x for systems:
CX2550 M2, CX2560 M4, CX2560 M5, CX2570 M2, CX2570 M4, PQ3800 B, PQ3800 B2, RX1330 M4, RX2510 M2, RX2520 M4, RX2520 M5, RX2530 M2, RX2530 M4, RX2530 M5, RX2540 M2, RX2540 M4, RX2540 M5, RX2560 M2, RX4770 M3, RX4770 M4, RX4770 M5, TX2540 M1, TX2550 M4, TX2550 M5, TX2560 M2
 - QLE2560 for systems:
CX2550 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, TX2560 M1, TX2560 M2, TX300 S8
 - QLE2562 for systems:
CX2550 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, TX2560 M1, TX2560 M2, TX300 S8
 - OCe10102-F for systems:
RX100 S8, RX200 S8, RX300 S8, RX350 S8, SX350 S8, TX300 S8
 - OCe14-CNA for systems:
BX2560 M1, BX2560 M2, BX2580 M1, BX2580 M2, CX1640 M1, CX2550 M1, CX2550 M2, CX2550 M4, CX2560 M4, CX2570 M1, CX2570 M2, CX2570 M4, PQ3800B, RX1330 M2, RX1330 M3, RX200 S8, RX2510 M2, RX2520 M4, RX2520 M5, 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, RX4770 M5, SX350 S8,

ServerView Update Manager Express and ASPs

- TX1320 M2, TX1320 M3, TX1330 M2, TX1330 M3, TX2550 M4, TX2550 M5, TX2560 M1, TX2560 M2, TX300 S8
- OCx MC-CNA for systems:
BX2560 M1, BX2560 M2, BX2580 M1, BX2580 M2, BX920 S4, BX924 S4
- PCNA EP OCEc14102 for systems:
CX2550 M1, CX2550 M2, CX2570 M1, CX2570 M2, RX100 S8, RX1330 M1, RX1330 M2, 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, RX4770 M4, SX150 S8, SX350 S8, TX1320M1, TX1320M2, TX1330M1, TX1330M2, TX140 S2, TX150 S8, TX2540M1, TX2560M1, TX2560M2, TX300 S8
- PCNA EP 041262 for systems:
RX1330 M4, RX2530 M4, RX2530 M5, RX2540 M4, RX2540 M5, RX4770 M4, RX4770 M5, TX2550M4, TX2550M5

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 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
- Microsoft Windows Server 2008 R2 (also Service Pack 1)
- Microsoft Windows Server 2012
Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2016
- Microsoft Windows Server 2019
- SuSE SLES 12 and newer Service Packs
- SuSE SLES 15 and newer Service Packs
- Red Hat 6 and newer Service Packs
- Red Hat 7 and newer Service Packs
- Red Hat 8 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 which is/are to be updated can be selected specifically.
- Expert Mode:
additionally, an older BIOS/firmware version can be reset.

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 or 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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2019-10-24 CE-EN

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