

Lifecycle Controller Operating System Driver Pack

Version 17.10.13 Reference Guide

Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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Overview

The *Lifecycle Controller OS Driver Pack Reference Guide* provides information about the operating systems (Windows and Linux) that are compatible with the driver pack for a specific 14th generation Dell PowerEdge server. The driver pack contains the drivers needed for OS deployment using Lifecycle Controller. For information on OS deployment, see the Lifecycle Controller User's Guide available at [dell.com/esmmanuals](https://www.dell.com/esmmanuals).

PowerEdge C6420

Table 1. Details of PowerEdge C6420 server

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel Lewisburg C62x Series Chipset Drivers | 10.1.2.85 |
| Windows Server 2012 R2 64-bit | Express Flash PCIe SSD | SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD | 2.0.8.1611 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.50 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 20.6.5.6 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | FOXCONN QLOGIC:FC, QClassic and FastLinQ Network Adapters | A00-00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic FastLinQ Adapters 64bit Windows drivers | 34.02.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.3.0 Drivers | 18.3.0 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | Intel NIC Family Version 18.3.0 Linux Base Drivers - RPM Install | 18.3.0 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|---|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters | 5.35.12970.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters | 1.70.18120.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic 64 bits Windows Drivers | 34.02.01 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 2.51.15.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | SAS RAID | BOSS-S1 Adapter BOSS-S1 Modular | 1.2.0.1048 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers | 6.604.06.00 |
| Red Hat Enterprise Linux 6.9 64-bit | System Utilities | RHEL 6.9 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.4 64-bit | System Utilities | RHEL 7.4 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 12.3 64-bit | System Utilities | SLES UPDATE | 0 |
| Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | Video | Matrox Video Driver | 4.3.4.2 |

PowerEdge FC640

Table 2. Details of PowerEdge FC640 server

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel Lewisburg C62x Series Chipset Drivers | 10.1.2.85 |
| Windows Server 2012 R2 64-bit | Express Flash PCIe SSD | SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD | 2.0.8.1611 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers | 9.1.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application | 9.1.4 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.50 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 20.6.5.6 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | FOXCONN QLOGIC:FC, QClassic and FastLinQ Network Adapters | A00-00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic FastLinQ Adapters 64bit Windows drivers | 34.02.00 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.3.0 Drivers | 18.3.0 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | Intel NIC Family Version 18.3.0 Linux Base Drivers - RPM Install | 18.3.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters | 5.35.12970.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters | 1.70.18120.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic 64 bits Windows Drivers | 34.02.01 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 2.51.15.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | SAS RAID | BOSS-S1 Adapter BOSS-S1 Modular | 1.2.0.1048 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H330/H730/H730P/H830/H730P MX/FD33xD/FD33xS Controllers | 6.604.06.00 |
| Red Hat Enterprise Linux 6.9 64-bit | System Utilities | RHEL 6.9 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.4 64-bit | System Utilities | RHEL 7.4 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 12.3 64-bit | System Utilities | SLES UPDATE | 0 |
| Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | Video | Matrox Video Driver | 4.3.4.2 |

PowerEdge M640

Table 3. Details of PowerEdge M640 server

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel Lewisburg C62x Series Chipset Drivers | 10.1.2.85 |
| Windows Server 2012 R2 64-bit | Express Flash PCIe SSD | SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD | 2.0.8.1611 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.50 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 20.6.5.6 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | FOXCONN QLOGIC:FC, QClassic and FastLinQ Network Adapters | A00-00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic FastLinQ Adapters 64bit Windows drivers | 34.02.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.3.0 Drivers | 18.3.0 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | Intel NIC Family Version 18.3.0 Linux Base Drivers - RPM Install | 18.3.0 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|---|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic 64 bits Windows Drivers | 34.02.01 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 2.51.15.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | SAS RAID | BOSS-S1 Adapter BOSS-S1 Modular | 1.2.0.1048 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | SAS RAID | Dell PERC H310/H710/H710P/ H810/SPERC8/SPERC8-E Controllers | 6.805.03.00 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers | 6.604.06.00 |
| Red Hat Enterprise Linux 6.9 64-bit | System Utilities | RHEL 6.9 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.4 64-bit | System Utilities | RHEL 7.4 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 12.3 64-bit | System Utilities | SLES UPDATE | 0 |
| Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | Video | Matrox Video Driver | 4.3.4.2 |

PowerEdge M640 (VRTX)

Table 4. Details of PowerEdge M640 (VRTX) server

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel Lewisburg C62x Series Chipset Drivers | 10.1.2.85 |
| Windows Server 2012 R2 64-bit | Express Flash PCIe SSD | SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD | 2.0.8.1611 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.50 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 20.6.5.6 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | FOXCONN QLOGIC:FC, QClassic and FastLinQ Network Adapters | A00-00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic FastLinQ Adapters 64bit Windows drivers | 34.02.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.3.0 Drivers | 18.3.0 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | Intel NIC Family Version 18.3.0 Linux Base Drivers - RPM Install | 18.3.0 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|---|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic 64 bits Windows Drivers | 34.02.01 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 2.51.15.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | SAS RAID | BOSS-S1 Adapter BOSS-S1 Modular | 1.2.0.1048 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | SAS RAID | Dell PERC H310/H710/H710P/ H810/SPERC8/SPERC8-E Controllers | 6.805.03.00 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H330/H730/H730P/H830/ H730P MX/FD33xD/FD33xS Controllers | 6.604.06.00 |
| Red Hat Enterprise Linux 6.9 64-bit | System Utilities | RHEL 6.9 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.4 64-bit | System Utilities | RHEL 7.4 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 12.3 64-bit | System Utilities | SLES UPDATE | 0 |
| Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | Video | Matrox Video Driver | 4.3.4.2 |

PowerEdge R440

Table 5. Details of PowerEdge R440 server

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel Lewisburg C62x Series Chipset Drivers | 10.1.2.85 |
| Windows Server 2012 R2 64-bit | Express Flash PCIe SSD | SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD | 2.0.8.1611 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers | 9.1.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application | 9.1.4 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.50 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 20.6.5.6 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | FOXCONN QLOGIC:FC, QClassic and FastLinQ Network Adapters | A00-00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic FastLinQ Adapters 64bit Windows drivers | 34.02.00 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.3.0 Drivers | 18.3.0 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | Intel NIC Family Version 18.3.0 Linux Base Drivers - RPM Install | 18.3.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters | 5.35.12970.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters | 1.70.18120.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic 64 bits Windows Drivers | 34.02.01 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 2.51.15.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | SAS RAID | BOSS-S1 Adapter BOSS-S1 Modular | 1.2.0.1048 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H330/H730/H730P/H830/H730P MX/FD33xD/FD33xS Controllers | 6.604.06.00 |
| Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H740P/H840 | 7.700.51.00 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | SAS RAID | PERC H740P/H840 Controllers | 7.700.51.00 |
| Red Hat Enterprise Linux 6.9 64-bit | System Utilities | RHEL 6.9 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.4 64-bit | System Utilities | RHEL 7.4 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 12.3 64-bit | System Utilities | SLES UPDATE | 0 |
| Windows Server 2016 64-bit | Video | Matrox Video Driver | 4.3.4.2 |

| Operating System | Component | Device Name | Vendor Revision |
|-------------------------------|-----------|-------------|-----------------|
| Windows Server 2016 64-bit | | | |
| Windows Server 2012 R2 64-bit | | | |
| Windows Server 2012 R2 64-bit | | | |

PowerEdge R540

Table 6. Details of PowerEdge R540 server

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel Lewisburg C62x Series Chipset Drivers | 10.1.2.85 |
| Windows Server 2012 R2 64-bit | Express Flash PCIe SSD | SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD | 2.0.8.1611 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers | 9.1.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application | 9.1.4 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.50 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 20.6.5.6 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | FOXCONN QLOGIC:FC, QClassic and FastLinQ Network Adapters | A00-00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic FastLinQ Adapters 64bit Windows drivers | 34.02.00 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.3.0 Drivers | 18.3.0 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | Intel NIC Family Version 18.3.0 Linux Base Drivers - RPM Install | 18.3.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters | 5.35.12970.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters | 1.70.18120.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic 64 bits Windows Drivers | 34.02.01 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 2.51.15.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | SAS RAID | BOSS-S1 Adapter BOSS-S1 Modular | 1.2.0.1048 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H330/H730/H730P/H830/H730P MX/FD33xD/FD33xS Controllers | 6.604.06.00 |
| Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H740P/H840 | 7.700.51.00 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | SAS RAID | PERC H740P/H840 Controllers | 7.700.51.00 |
| Red Hat Enterprise Linux 6.9 64-bit | System Utilities | RHEL 6.9 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.4 64-bit | System Utilities | RHEL 7.4 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 12.3 64-bit | System Utilities | SLES UPDATE | 0 |
| Windows Server 2016 64-bit | Video | Matrox Video Driver | 4.3.4.2 |

| Operating System | Component | Device Name | Vendor Revision |
|-------------------------------|-----------|-------------|-----------------|
| Windows Server 2016 64-bit | | | |
| Windows Server 2012 R2 64-bit | | | |
| Windows Server 2012 R2 64-bit | | | |

PowerEdge R640

Table 7. Details of PowerEdge R640 server

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel Lewisburg C62x Series Chipset Drivers | 10.1.2.85 |
| Windows Server 2012 R2 64-bit | Express Flash PCIe SSD | SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD | 2.0.8.1611 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers | 9.1.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application | 9.1.4 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.50 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 20.6.5.6 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | FOXCONN QLOGIC:FC, QClassic and FastLinQ Network Adapters | A00-00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic FastLinQ Adapters 64bit Windows drivers | 34.02.00 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.3.0 Drivers | 18.3.0 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | Intel NIC Family Version 18.3.0 Linux Base Drivers - RPM Install | 18.3.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters | 5.35.12970.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters | 1.70.18120.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic 64 bits Windows Drivers | 34.02.01 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 2.51.15.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | SAS RAID | BOSS-S1 Adapter BOSS-S1 Modular | 1.2.0.1048 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H330/H730/H730P/H830/H730P MX/FD33xD/FD33xS Controllers | 6.604.06.00 |
| Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H740P/H840 | 7.700.51.00 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | SAS RAID | PERC H740P/H840 Controllers | 7.700.51.00 |
| Red Hat Enterprise Linux 6.9 64-bit | System Utilities | RHEL 6.9 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.4 64-bit | System Utilities | RHEL 7.4 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 12.3 64-bit | System Utilities | SLES UPDATE | 0 |
| Windows Server 2016 64-bit | Video | Matrox Video Driver | 4.3.4.2 |

| Operating System | Component | Device Name | Vendor Revision |
|-------------------------------|-----------|-------------|-----------------|
| Windows Server 2016 64-bit | | | |
| Windows Server 2012 R2 64-bit | | | |
| Windows Server 2012 R2 64-bit | | | |

PowerEdge R740

Table 8. Details of PowerEdge R740 server

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel Lewisburg C62x Series Chipset Drivers | 10.1.2.85 |
| Windows Server 2012 R2 64-bit | Express Flash PCIe SSD | SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD | 2.0.8.1611 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers | 9.1.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application | 9.1.4 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.50 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 20.6.5.6 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | FOXCONN QLOGIC:FC, QClassic and FastLinQ Network Adapters | A00-00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic FastLinQ Adapters 64bit Windows drivers | 34.02.00 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.3.0 Drivers | 18.3.0 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | Intel NIC Family Version 18.3.0 Linux Base Drivers - RPM Install | 18.3.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters | 5.35.12970.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters | 1.70.18120.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic 64 bits Windows Drivers | 34.02.01 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 2.51.15.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | SAS RAID | BOSS-S1 Adapter BOSS-S1 Modular | 1.2.0.1048 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H330/H730/H730P/H830/H730P MX/FD33xD/FD33xS Controllers | 6.604.06.00 |
| Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H740P/H840 | 7.700.51.00 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | SAS RAID | PERC H740P/H840 Controllers | 7.700.51.00 |
| Red Hat Enterprise Linux 6.9 64-bit | System Utilities | RHEL 6.9 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.4 64-bit | System Utilities | RHEL 7.4 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 12.3 64-bit | System Utilities | SLES UPDATE | 0 |
| Windows Server 2016 64-bit | Video | Matrox Video Driver | 4.3.4.2 |

| Operating System | Component | Device Name | Vendor Revision |
|-------------------------------|-----------|-------------|-----------------|
| Windows Server 2016 64-bit | | | |
| Windows Server 2012 R2 64-bit | | | |
| Windows Server 2012 R2 64-bit | | | |

PowerEdge R740xd

Table 9. Details of PowerEdge R740xd server

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel Lewisburg C62x Series Chipset Drivers | 10.1.2.85 |
| Windows Server 2012 R2 64-bit | Express Flash PCIe SSD | SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD | 2.0.8.1611 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers | 9.1.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application | 9.1.4 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.50 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 20.6.5.6 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | FOXCONN QLOGIC:FC, QClassic and FastLinQ Network Adapters | A00-00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic FastLinQ Adapters 64bit Windows drivers | 34.02.00 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.3.0 Drivers | 18.3.0 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | Intel NIC Family Version 18.3.0 Linux Base Drivers - RPM Install | 18.3.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters | 5.35.12970.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters | 1.70.18120.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic 64 bits Windows Drivers | 34.02.01 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 2.51.15.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | SAS RAID | BOSS-S1 Adapter BOSS-S1 Modular | 1.2.0.1048 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H330/H730/H730P/H830/H730P MX/FD33xD/FD33xS Controllers | 6.604.06.00 |
| Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H740P/H840 | 7.700.51.00 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | SAS RAID | PERC H740P/H840 Controllers | 7.700.51.00 |
| Red Hat Enterprise Linux 6.9 64-bit | System Utilities | RHEL 6.9 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.4 64-bit | System Utilities | RHEL 7.4 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 12.3 64-bit | System Utilities | SLES UPDATE | 0 |
| Windows Server 2016 64-bit | Video | Matrox Video Driver | 4.3.4.2 |

| Operating System | Component | Device Name | Vendor Revision |
|-------------------------------|-----------|-------------|-----------------|
| Windows Server 2016 64-bit | | | |
| Windows Server 2012 R2 64-bit | | | |
| Windows Server 2012 R2 64-bit | | | |

PowerEdge R940

Table 10. Details of PowerEdge R940 server

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel Lewisburg C62x Series Chipset Drivers | 10.1.2.85 |
| Windows Server 2012 R2 64-bit | Express Flash PCIe SSD | SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD | 2.0.8.1611 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers | 9.1.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application | 9.1.4 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.50 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 20.6.5.6 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | FOXCONN QLOGIC:FC, QClassic and FastLinQ Network Adapters | A00-00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic FastLinQ Adapters 64bit Windows drivers | 34.02.00 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.3.0 Drivers | 18.3.0 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | Intel NIC Family Version 18.3.0 Linux Base Drivers - RPM Install | 18.3.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters | 5.35.12970.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters | 1.70.18120.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic 64 bits Windows Drivers | 34.02.01 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 2.51.15.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | SAS RAID | BOSS-S1 Adapter BOSS-S1 Modular | 1.2.0.1048 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H330/H730/H730P/H830/H730P MX/FD33xD/FD33xS Controllers | 6.604.06.00 |
| Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H740P/H840 | 7.700.51.00 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | SAS RAID | PERC H740P/H840 Controllers | 7.700.51.00 |
| Red Hat Enterprise Linux 6.9 64-bit | System Utilities | RHEL 6.9 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.4 64-bit | System Utilities | RHEL 7.4 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 12.3 64-bit | System Utilities | SLES UPDATE | 0 |
| Windows Server 2016 64-bit | Video | Matrox Video Driver | 4.3.4.2 |

| Operating System | Component | Device Name | Vendor Revision |
|-------------------------------|-----------|-------------|-----------------|
| Windows Server 2016 64-bit | | | |
| Windows Server 2012 R2 64-bit | | | |
| Windows Server 2012 R2 64-bit | | | |

PowerEdge T440

Table 11. Details of PowerEdge T440 server

| Operating System | Component | Device Name | Vendor Revision |
|--|---------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel Lewisburg C62x Series Chipset Drivers | 10.1.2.85 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers | 9.1.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application | 9.1.4 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.50 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 20.6.5.6 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | FOXCONN QLOGIC:FC, QClassic and FastLinQ Network Adapters | A00-00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic FastLinQ Adapters 64bit Windows drivers | 34.02.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.3.0 Drivers | 18.3.0 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|--|-----------------|
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | Intel NIC Family Version 18.3.0 Linux Base Drivers - RPM Install | 18.3.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic 64 bits Windows Drivers | 34.02.01 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 2.51.15.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | SAS RAID | BOSS-S1 Adapter BOSS-S1 Modular | 1.2.0.1048 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H330/H730/H730P/H830/H730P MX/FD33xD/FD33xS Controllers | 6.604.06.00 |
| Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H740P/H840 | 7.700.51.00 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | SAS RAID | PERC H740P/H840 Controllers | 7.700.51.00 |
| Red Hat Enterprise Linux 6.9 64-bit | System Utilities | RHEL 6.9 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.4 64-bit | System Utilities | RHEL 7.4 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 12.3 64-bit | System Utilities | SLES UPDATE | 0 |
| Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | Video | Matrox Video Driver | 4.3.4.2 |

PowerEdge T640

Table 12. Details of PowerEdge T640 server

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel Lewisburg C62x Series Chipset Drivers | 10.1.2.85 |
| Windows Server 2012 R2 64-bit | Express Flash PCIe SSD | SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD | 2.0.8.1611 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers | 9.1.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application | 9.1.4 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters | 20.6.50 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 20.6.5.6 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | FOXCONN QLOGIC:FC, QClassic and FastLinQ Network Adapters | A00-00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic FastLinQ Adapters 64bit Windows drivers | 34.02.00 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.3.0 Drivers | 18.3.0 |
| Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 7.4 64-bit SUSE Linux Enterprise Server 12.3 64-bit | Network | Intel NIC Family Version 18.3.0 Linux Base Drivers - RPM Install | 18.3.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters | 5.35.12970.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters | 1.70.18120.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic 64 bits Windows Drivers | 34.02.01 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 2.51.15.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | SAS RAID | BOSS-S1 Adapter BOSS-S1 Modular | 1.2.0.1048 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H330/H730/H730P/H830/H730P MX/FD33xD/FD33xS Controllers | 6.604.06.00 |
| Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC H740P/H840 | 7.700.51.00 |
| Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | SAS RAID | PERC H740P/H840 Controllers | 7.700.51.00 |
| Red Hat Enterprise Linux 6.9 64-bit | System Utilities | RHEL 6.9 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.4 64-bit | System Utilities | RHEL 7.4 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 12.3 64-bit | System Utilities | SLES UPDATE | 0 |
| Windows Server 2016 64-bit | Video | Matrox Video Driver | 4.3.4.2 |

| Operating System | Component | Device Name | Vendor Revision |
|-------------------------------|-----------|-------------|-----------------|
| Windows Server 2016 64-bit | | | |
| Windows Server 2012 R2 64-bit | | | |
| Windows Server 2012 R2 64-bit | | | |