

Lifecycle Controller Operating System Driver Pack

Version 18.10.13 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 R740xd2

Table 1. Details of PowerEdge R740xd2 server

| Operating System | Component | Device Name | Vendor Revision |
|---|--------------|--|-----------------|
| Windows Server 2016 64-bit | Chipset | Intel Lewisburg C62x Series Chipset Drivers | 10.1.17809.8096 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.4 |
| Windows Server 2016 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.40.1 |
| Windows Server 2016 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 21.40.16.10 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4 | 21.4 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | FOXCONN QLOGIC:Network and Fibre Channel Adapters | 34.07.00.09 |
| Windows Server 2016 64-bit | Network | Intel NIC Family Version 18.8.0 Drivers | 18.8.0 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install | 18.8.0 |
| Windows Server 2016 64-bit | Network | Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters | 5.50.14643.0 |
| Windows Server 2016 64-bit | Network | Mellanox ConnectX-4 Lx, ConnectX-4 and ConnectX-5 Ex Ethernet adapters | 2.0.19824.0 |
| Windows Server 2016 64-bit | Network | QLogic FastLinQ QL41xxx.45xxx Adapters 64 bits Windows Drivers | 34.07.00 |
| Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 2.51.25.01 |

| Operating System | Component | Device Name | Vendor Revision |
|---|------------------|---|-----------------|
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 27.00.01.00 |
| Windows Server 2016 64-bit | SAS RAID | BOSS-S1 Adapter BOSS-S1 Modular | 1.2.0.1048 |
| Red Hat Enterprise Linux 7.5 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX | 07.705.05.00 |
| SUSE Linux Enterprise Server 15 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX | 7.705.06.00 |
| 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/H745PMX | 7.705.13.00 |
| Red Hat Enterprise Linux 7.5 64-bit | System Utilities | RHEL 7.5 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 15 64-bit | System Utilities | SLES UPDATE | 0 |
| Windows Server 2016 64-bit Windows Server 2016 64-bit | Video | Matrox Video Driver | 4.3.4.2 |

PowerEdge FC430

| Operating System | Component | Device Name | Vendor Revision |
|---|---------------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel C600/C610/C220/C230/ C2000 Series Chipset Drivers | 10.1.2.77 |
| Windows Server 2012 R2 64-bit | Express Flash PCIe SSD | SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD | 2.0.8.1611 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application | 10.0.4 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers | 10.0.4 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.40.1 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 21.40.16.10 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4 | 21.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Emulex Network Adapter Drivers and Software Application | 9.2.3 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | FOXCONN QLOGIC:Network and Fibre Channel Adapters | 34.07.00.09 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers | 34.07.00 |

| Operating System | Component | Device Name | Vendor Revision |
|--|--------------|---|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.8.0 Drivers | 18.8.0 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install | 18.8.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters | 5.50.14643.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-4 Lx, ConnectX-4 and ConnectX-5 Ex Ethernet adapters | 2.0.19824.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers | 34.07.00 |
| 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 | 2.51.25.01 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 27.00.01.00 |
| Red Hat Enterprise Linux 6.10 64-bit | SAS RAID | INVENTEC:Dell PERC /H330/H730/H730P/H830/H740P/H840/H745P MX/H730P MX RAID Controllers | 07.705.05.00 |
| Red Hat Enterprise Linux 7.5 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/H730P/H830/H740/H840/FD33xS/FD33xD Controllers/H745P MX/H730P MX | 07.705.05.00 |
| SUSE Linux Enterprise Server 15 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/H730P/H830/H740/H840/FD33xS/FD33xD Controllers/H745P MX/H730P MX | 7.705.06.00 |
| 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 |

| Operating System | Component | Device Name | Vendor Revision |
|---|------------------|-------------------------|------------------------|
| Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC S130 Controller | 4.3.0-0003 |
| Red Hat Enterprise Linux 6.10 64-bit | System Utilities | RHEL 6.10 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.5 64-bit | System Utilities | RHEL 7.5 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 15 64-bit | System Utilities | SLES UPDATE | 0 |

PowerEdge FC830

| Operating System | Component | Device Name | Vendor Revision |
|---|---------------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel C600/C610/C220/C230/ C2000 Series Chipset Drivers | 10.1.2.77 |
| Windows Server 2012 R2 64-bit | Express Flash PCIe SSD | SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD | 2.0.8.1611 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application | 10.0.4 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers | 10.0.4 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.40.1 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 21.40.16.10 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4 | 21.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Emulex Network Adapter Drivers and Software Application | 9.2.3 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | FOXCONN QLOGIC:Network and Fibre Channel Adapters | 34.07.00.09 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers | 34.07.00 |

| Operating System | Component | Device Name | Vendor Revision |
|--|--------------|---|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.8.0 Drivers | 18.8.0 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install | 18.8.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters | 5.50.14643.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-4 Lx, ConnectX-4 and ConnectX-5 Ex Ethernet adapters | 2.0.19824.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers | 34.07.00 |
| 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 | 2.51.25.01 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 27.00.01.00 |
| Red Hat Enterprise Linux 6.10 64-bit | SAS RAID | INVENTEC:Dell PERC /H330/H730/H730P/H830/H740P/H840/H745P MX/H730P MX RAID Controllers | 07.705.05.00 |
| Red Hat Enterprise Linux 7.5 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/H730P/H830/H740/H840/FD33xS/FD33xD Controllers/H745P MX/H730P MX | 07.705.05.00 |
| SUSE Linux Enterprise Server 15 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/H730P/H830/H740/H840/FD33xS/FD33xD Controllers/H745P MX/H730P MX | 7.705.06.00 |
| 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 |

| Operating System | Component | Device Name | Vendor Revision |
|---|------------------|-------------------------|------------------------|
| Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC S130 Controller | 4.3.0-0003 |
| Red Hat Enterprise Linux 6.10 64-bit | System Utilities | RHEL 6.10 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.5 64-bit | System Utilities | RHEL 7.5 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 15 64-bit | System Utilities | SLES UPDATE | 0 |

PowerEdge M830

| Operating System | Component | Device Name | Vendor Revision |
|---|---------------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel C600/C610/C220/C230/ C2000 Series Chipset Drivers | 10.1.2.77 |
| Windows Server 2012 R2 64-bit | Express Flash PCIe SSD | SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD | 2.0.8.1611 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application | 10.0.4 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers | 10.0.4 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.40.1 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 21.40.16.10 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4 | 21.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Emulex Network Adapter Drivers and Software Application | 9.2.3 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | FOXCONN QLOGIC:Network and Fibre Channel Adapters | 34.07.00.09 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers | 34.07.00 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|---|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.8.0 Drivers | 18.8.0 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install | 18.8.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters | 5.50.14643.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers | 34.07.00 |
| Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 2.51.25.01 |
| Red Hat Enterprise Linux 6.10 64-bit | SAS RAID | INVENTEC:Dell PERC /H330/H730/H730P/H830/H740P/H840/H745P MX/H730P MX RAID Controllers | 07.705.05.00 |
| Red Hat Enterprise Linux 7.5 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/H730P/H830/H740/H840/FD33xS/FD33xD Controllers/H745P MX/H730P MX | 07.705.05.00 |
| SUSE Linux Enterprise Server 15 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/H730P/H830/H740/H840/FD33xS/FD33xD Controllers/H745P MX/H730P MX | 7.705.06.00 |
| 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 |
| Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC S130 Controller | 4.3.0-0003 |
| Red Hat Enterprise Linux 6.10 64-bit | System Utilities | RHEL 6.10 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.5 64-bit | System Utilities | RHEL 7.5 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 15 64-bit | System Utilities | SLES UPDATE | 0 |

PowerEdge M830 (VRTX)

| Operating System | Component | Device Name | Vendor Revision |
|---|---------------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel C600/C610/C220/C230/ C2000 Series Chipset Drivers | 10.1.2.77 |
| Windows Server 2012 R2 64-bit | Express Flash PCIe SSD | SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD | 2.0.8.1611 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application | 10.0.4 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers | 10.0.4 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.40.1 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 21.40.16.10 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4 | 21.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Emulex Network Adapter Drivers and Software Application | 9.2.3 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | FOXCONN QLOGIC:Network and Fibre Channel Adapters | 34.07.00.09 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers | 34.07.00 |

| Operating System | Component | Device Name | Vendor Revision |
|--|--------------|---|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.8.0 Drivers | 18.8.0 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install | 18.8.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers | 34.07.00 |
| 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 | 2.51.25.01 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 27.00.01.00 |
| Windows Server 2012 R2 64-bit | SAS Non-RAID | H200 / Internal Tape Adapter / 6GBPS SAS HBA version 2.0.72.01 | 2.0.72.01 |
| Red Hat Enterprise Linux 6.10 64-bit | SAS RAID | INVENTEC:Dell PERC /H330/H730/H730P/H830/H740P/H840/H745P MX/H730P MX RAID Controllers | 07.705.05.00 |
| Red Hat Enterprise Linux 7.5 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/H730P/H830/H740/H840/FD33xS/FD33xD Controllers/H745P MX/H730P MX | 07.705.05.00 |
| SUSE Linux Enterprise Server 15 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/H730P/H830/H740/H840/FD33xS/FD33xD Controllers/H745P MX/H730P MX | 7.705.06.00 |
| 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 |
| Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC S130 Controller | 4.3.0-0003 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|-------------------------|------------------------|
| Red Hat Enterprise Linux 6.10 64-bit | System Utilities | RHEL 6.10 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.5 64-bit | System Utilities | RHEL 7.5 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 15 64-bit | System Utilities | SLES UPDATE | 0 |

PowerEdge R230

| Operating System | Component | Device Name | Vendor Revision |
|--|--------------|---|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel C600/C610/C220/C230/ C2000 Series Chipset Drivers | 10.1.2.77 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.40.1 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 21.40.16.10 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4 | 21.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.8.0 Drivers | 18.8.0 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install | 18.8.0 |
| 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 | 2.51.25.01 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 27.00.01.00 |
| Red Hat Enterprise Linux 6.10 64-bit | SAS RAID | INVENTEC:Dell PERC /H330/ H730/H730P/H830/H740P/H840/ | 07.705.05.00 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|---|-----------------|
| | | H745P MX/H730P MX RAID Controllers | |
| Red Hat Enterprise Linux 7.5 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX | 07.705.05.00 |
| SUSE Linux Enterprise Server 15 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX | 7.705.06.00 |
| 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 |
| Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC S130 Controller | 4.3.0-0003 |
| Red Hat Enterprise Linux 6.10 64-bit | System Utilities | RHEL 6.10 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.5 64-bit | System Utilities | RHEL 7.5 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 15 64-bit | System Utilities | SLES UPDATE | 0 |

PowerEdge R330

| Operating System | Component | Device Name | Vendor Revision |
|---|---------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel C600/C610/C220/C230/ C2000 Series Chipset Drivers | 10.1.2.77 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application | 10.0.4 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers | 10.0.4 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.40.1 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 21.40.16.10 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4 | 21.4 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | FOXCONN QLOGIC:Network and Fibre Channel Adapters | 34.07.00.09 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers | 34.07.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.8.0 Drivers | 18.8.0 |
| Red Hat Enterprise Linux 7.5 64-bit | Network | Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install | 18.8.0 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|---|-----------------|
| Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | | | |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers | 34.07.00 |
| 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 | 2.51.25.01 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 27.00.01.00 |
| Red Hat Enterprise Linux 6.10 64-bit | SAS RAID | INVENTEC:Dell PERC /H330/H730/H730P/H830/H740P/H840/H745P MX/H730P MX RAID Controllers | 07.705.05.00 |
| Red Hat Enterprise Linux 7.5 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/H730P/H830/H740/H840/FD33xS/FD33xD Controllers/H745P MX/H730P MX | 07.705.05.00 |
| SUSE Linux Enterprise Server 15 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/H730P/H830/H740/H840/FD33xS/FD33xD Controllers/H745P MX/H730P MX | 7.705.06.00 |
| 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 |
| Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC S130 Controller | 4.3.0-0003 |
| Red Hat Enterprise Linux 6.10 64-bit | System Utilities | RHEL 6.10 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.5 64-bit | System Utilities | RHEL 7.5 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 15 64-bit | System Utilities | SLES UPDATE | 0 |

PowerEdge R930

| Operating System | Component | Device Name | Vendor Revision |
|---|---------------------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel C600/C610/C220/C230/ C2000 Series Chipset Drivers | 10.1.2.77 |
| Windows Server 2012 R2 64-bit | Express Flash PCIe SSD | SAMSUNG:Dell PowerEdge Express Flash NVMe PCIe SSD | 2.0.8.1611 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application | 10.0.4 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers | 10.0.4 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.40.1 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 21.40.16.10 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4 | 21.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Emulex Network Adapter Drivers and Software Application | 9.2.3 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | FOXCONN QLOGIC:Network and Fibre Channel Adapters | 34.07.00.09 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers | 34.07.00 |

| Operating System | Component | Device Name | Vendor Revision |
|--|--------------|---|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.8.0 Drivers | 18.8.0 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install | 18.8.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters | 5.50.14643.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Mellanox ConnectX-4 Lx, ConnectX-4 and ConnectX-5 Ex Ethernet adapters | 2.0.19824.0 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers | 34.07.00 |
| 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 | 2.51.25.01 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 27.00.01.00 |
| Red Hat Enterprise Linux 6.10 64-bit | SAS RAID | INVENTEC:Dell PERC /H330/H730/H730P/H830/H740P/H840/H745P MX/H730P MX RAID Controllers | 07.705.05.00 |
| Red Hat Enterprise Linux 7.5 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/H730P/H830/H740/H840/FD33xS/FD33xD Controllers/H745P MX/H730P MX | 07.705.05.00 |
| SUSE Linux Enterprise Server 15 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/H730P/H830/H740/H840/FD33xS/FD33xD Controllers/H745P MX/H730P MX | 7.705.06.00 |
| 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 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|-------------------------|------------------------|
| Red Hat Enterprise Linux 6.10 64-bit | System Utilities | RHEL 6.10 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.5 64-bit | System Utilities | RHEL 7.5 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 15 64-bit | System Utilities | SLES UPDATE | 0 |

PowerEdge T130

| Operating System | Component | Device Name | Vendor Revision |
|--|--------------|---|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel C600/C610/C220/C230/ C2000 Series Chipset Drivers | 10.1.2.77 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.40.1 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 21.40.16.10 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4 | 21.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.8.0 Drivers | 18.8.0 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install | 18.8.0 |
| 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 | 2.51.25.01 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 27.00.01.00 |
| Red Hat Enterprise Linux 6.10 64-bit | SAS RAID | INVENTEC:Dell PERC /H330/ H730/H730P/H830/H740P/H840/ | 07.705.05.00 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|---|-----------------|
| | | H745P MX/H730P MX RAID Controllers | |
| Red Hat Enterprise Linux 7.5 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX | 07.705.05.00 |
| SUSE Linux Enterprise Server 15 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX | 7.705.06.00 |
| 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 |
| Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC S130 Controller | 4.3.0-0003 |
| Red Hat Enterprise Linux 6.10 64-bit | System Utilities | RHEL 6.10 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.5 64-bit | System Utilities | RHEL 7.5 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 15 64-bit | System Utilities | SLES UPDATE | 0 |

PowerEdge T330

| Operating System | Component | Device Name | Vendor Revision |
|---|---------------|--|-----------------|
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit | Chipset | Intel C600/C610/C220/C230/ C2000 Series Chipset Drivers | 10.1.2.77 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application | 10.0.4 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Fibre Channel | AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers | 10.0.4 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.4 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme Ethernet adapters, 21.4 | 21.40.1 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet adapters | 21.40.16.10 |
| Red Hat Enterprise Linux 7.5 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | BROADCOM CORPORATION:NetXtreme-E Ethernet, 21.4 | 21.4 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | Network | FOXCONN QLOGIC:Network and Fibre Channel Adapters | 34.07.00.09 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers | 34.07.00 |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | Intel NIC Family Version 18.8.0 Drivers | 18.8.0 |
| Red Hat Enterprise Linux 7.5 64-bit | Network | Intel NIC Family Version 18.8.0 Linux Base Drivers - RPM Install | 18.8.0 |

| Operating System | Component | Device Name | Vendor Revision |
|--|------------------|---|-----------------|
| Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | | | |
| Windows Server 2016 64-bit Windows Server 2012 R2 64-bit | Network | QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers | 34.07.00 |
| 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 | 2.51.25.01 |
| Red Hat Enterprise Linux 7.5 64-bit Red Hat Enterprise Linux 6.10 64-bit SUSE Linux Enterprise Server 15 64-bit | SAS Non-RAID | Dell 12Gbps HBA and HBA330 | 27.00.01.00 |
| Red Hat Enterprise Linux 6.10 64-bit | SAS RAID | INVENTEC:Dell PERC /H330/ H730/H730P/H830/H740P/H840/ H745P MX/H730P MX RAID Controllers | 07.705.05.00 |
| Red Hat Enterprise Linux 7.5 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX | 07.705.05.00 |
| SUSE Linux Enterprise Server 15 64-bit | SAS RAID | INVENTEC:Dell PERC H330/H730/ H730P/H830/H740/H840/ FD33xS/FD33xD Controllers/ H745P MX/H730P MX | 7.705.06.00 |
| 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 |
| Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit | SAS RAID | PERC S130 Controller | 4.3.0-0003 |
| Red Hat Enterprise Linux 6.10 64-bit | System Utilities | RHEL 6.10 64 bit UPDATE | 0 |
| Red Hat Enterprise Linux 7.5 64-bit | System Utilities | RHEL 7.5 64 bit UPDATE | 0 |
| SUSE Linux Enterprise Server 15 64-bit | System Utilities | SLES UPDATE | 0 |