

Lifecycle Controller Operating System Driver Pack

Version 17.08.12 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

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
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	20.6.0
SUSE Linux Enterprise Server 12.2 64-bit Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.2 64-bit Red Hat Enterprise Linux 6.9 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	20.6.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	20.6.5.6
SUSE Linux Enterprise Server 12.2 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 6.9 64-bit	Network	FOXCONN QLOGIC:SWB,DRV,NTWK,QLGX,BASEDRV	10.00.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Intel NIC Family Version 18.0.0 Drivers	18.0.0
SUSE Linux Enterprise Server 12.2 64-bit	Network	Intel NIC Family Version 18.0.0 Linux Base Drivers - RPM Install	18.0.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	05.22.00 and 05.35.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters	01.50.00 and 3.4.1.0
Windows Server 2012 R2 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.15.00

Operating System	Component	Device Name	Vendor Revision
Windows Server 2012 R2 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit			
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 12.2 64-bit	SAS RAID	Dell PERC version 7.700.50.00 H310/H710/H710P/H810/H330/ H730/H730P/H830/H740/H840/ SPERC8/FD33xS/FD33xD Controllers	7.700.50.00
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 12.2 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.3.3.7

PowerEdge R640

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
SUSE Linux Enterprise Server 12.2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers	9.1.3
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	9.1.3
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	20.6.0
SUSE Linux Enterprise Server 12.2 64-bit Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.2 64-bit Red Hat Enterprise Linux 6.9 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	20.6.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	20.6.5.6
SUSE Linux Enterprise Server 12.2 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 6.9 64-bit	Network	FOXCONN QLOGIC:SWB,DRV,NTWK,QLGX,BASEDRV	10.00.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Intel NIC Family Version 18.0.0 Drivers	18.0.0
SUSE Linux Enterprise Server 12.2 64-bit	Network	Intel NIC Family Version 18.0.0 Linux Base Drivers - RPM Install	18.0.0
Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	05.22.00 and 05.35.00

Operating System	Component	Device Name	Vendor Revision
Windows Server 2012 R2 64-bit			
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters	01.50.00 and 3.4.1.0
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	2.51.15.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 12.2 64-bit	SAS RAID	Dell PERC version 7.700.50.00 H310/H710/H710P/H810/H330/ H730/H730P/H830/H740/H840/ SPERC8/FD33xS/FD33xD Controllers	7.700.50.00
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 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 12.2 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.3.3.7

PowerEdge R740

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
SUSE Linux Enterprise Server 12.2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers	9.1.3
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	9.1.3
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	20.6.0
SUSE Linux Enterprise Server 12.2 64-bit Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.2 64-bit Red Hat Enterprise Linux 6.9 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	20.6.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	20.6.5.6
SUSE Linux Enterprise Server 12.2 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 6.9 64-bit	Network	FOXCONN QLOGIC:SWB,DRV,NTWK,QLGX,BASEDRV	10.00.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Intel NIC Family Version 18.0.0 Drivers	18.0.0
SUSE Linux Enterprise Server 12.2 64-bit	Network	Intel NIC Family Version 18.0.0 Linux Base Drivers - RPM Install	18.0.0
Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	05.22.00 and 05.35.00

Operating System	Component	Device Name	Vendor Revision
Windows Server 2012 R2 64-bit			
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters	01.50.00 and 3.4.1.0
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	2.51.15.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 12.2 64-bit	SAS RAID	Dell PERC version 7.700.50.00 H310/H710/H710P/H810/H330/ H730/H730P/H830/H740/H840/ SPERC8/FD33xS/FD33xD Controllers	7.700.50.00
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 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 12.2 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.3.3.7

PowerEdge R740xd

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
SUSE Linux Enterprise Server 12.2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers	9.1.3
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	9.1.3
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	20.6.0
SUSE Linux Enterprise Server 12.2 64-bit Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.2 64-bit Red Hat Enterprise Linux 6.9 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	20.6.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	20.6.5.6
SUSE Linux Enterprise Server 12.2 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 6.9 64-bit	Network	FOXCONN QLOGIC:SWB,DRV,NTWK,QLGX,BASEDRV	10.00.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Intel NIC Family Version 18.0.0 Drivers	18.0.0
SUSE Linux Enterprise Server 12.2 64-bit	Network	Intel NIC Family Version 18.0.0 Linux Base Drivers - RPM Install	18.0.0
Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	05.22.00 and 05.35.00

Operating System	Component	Device Name	Vendor Revision
Windows Server 2012 R2 64-bit			
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters	01.50.00 and 3.4.1.0
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	2.51.15.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 12.2 64-bit	SAS RAID	Dell PERC version 7.700.50.00 H310/H710/H710P/H810/H330/ H730/H730P/H830/H740/H840/ SPERC8/FD33xS/FD33xD Controllers	7.700.50.00
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 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 12.2 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.3.3.7

PowerEdge R940

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
SUSE Linux Enterprise Server 12.2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers	9.1.3
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	9.1.3
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	20.6.0
SUSE Linux Enterprise Server 12.2 64-bit Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.2 64-bit Red Hat Enterprise Linux 6.9 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	20.6.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	20.6.5.6
SUSE Linux Enterprise Server 12.2 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Red Hat Enterprise Linux 6.9 64-bit Red Hat Enterprise Linux 6.9 64-bit	Network	FOXCONN QLOGIC:SWB,DRV,NTWK,QLGX,BASEDRV	10.00.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Intel NIC Family Version 18.0.0 Drivers	18.0.0
SUSE Linux Enterprise Server 12.2 64-bit	Network	Intel NIC Family Version 18.0.0 Linux Base Drivers - RPM Install	18.0.0
Windows Server 2016 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	05.22.00 and 05.35.00

Operating System	Component	Device Name	Vendor Revision
Windows Server 2012 R2 64-bit			
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters	01.50.00 and 3.4.1.0
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	2.51.15.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
SUSE Linux Enterprise Server 12.2 64-bit	SAS RAID	Dell PERC version 7.700.50.00 H310/H710/H710P/H810/H330/ H730/H730P/H830/H740/H840/ SPERC8/FD33xS/FD33xD Controllers	7.700.50.00
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 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 12.2 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Video	Matrox Video Driver	4.3.3.7