

# Lifecycle Controller Operating System Driver Pack

Version 18.04.06 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 Dell 13th generation 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](http://dell.com/esmmanuals).

## PowerEdge C6320p

Operating System	Component	Device Name	Vendor Revision
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 SUSE Linux Enterprise Server 12.3 64-bit	Network	FOXCONN QLOGIC:Network and Fibre Channel Adapters	A00-00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Intel NIC Family Version 18.5.0 Drivers	18.5.0
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	Intel NIC Family Version 18.5.0 Linux Base Drivers - RPM Install	18.5.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters	1.80.18515.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers	34.04.00
Red Hat Enterprise Linux 6.9 64-bit	System Utilities	RHEL 6.9 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 12.3 64-bit	System Utilities	SLES UPDATE	0

## PowerEdge FC430

Operating System	Component	Device Name	Vendor Revision
Windows Server 2016 64-bit 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	10.1.2.85
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 SUSE Linux Enterprise Server 12.3 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers	9.2.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	9.2.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters, 20.8	20.8.4.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 20.8	20.8
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	FOXCONN  QLOGIC:Network and Fibre Channel Adapters	A00-00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN  QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Intel NIC Family Version 18.5.0 Drivers	18.5.0

Operating System	Component	Device Name	Vendor Revision
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	Intel NIC Family Version 18.5.0 Linux Base Drivers - RPM Install	18.5.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.35.12978.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters	1.80.18515.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.211
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	22.00.04.00
SUSE Linux Enterprise Server 12.3 64-bit	SAS RAID	INVENTEC:Dell PERC version 7.703.06.00 H310/H710/H710P/H810/H330/H730/H730P/H830/H740/H840/SPERC8/FD33xS/FD33xD Controllers	07.703.06.00
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 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 6.9 64-bit	System Utilities	RHEL 6.9 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 12.3 64-bit	System Utilities	SLES UPDATE	0

# PowerEdge FC830

Operating System	Component	Device Name	Vendor Revision
Windows Server 2016 64-bit 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	10.1.2.85
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 SUSE Linux Enterprise Server 12.3 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers	9.2.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	9.2.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters, 20.8	20.8.4.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 20.8	20.8
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	FOXCONN  QLOGIC:Network and Fibre Channel Adapters	A00-00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN  QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Intel NIC Family Version 18.5.0 Drivers	18.5.0

Operating System	Component	Device Name	Vendor Revision
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	Intel NIC Family Version 18.5.0 Linux Base Drivers - RPM Install	18.5.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.35.12978.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters	1.80.18515.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.211
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	22.00.04.00
SUSE Linux Enterprise Server 12.3 64-bit	SAS RAID	INVENTEC:Dell PERC version 7.703.06.00 H310/H710/H710P/H810/H330/H730/H730P/H830/H740/H840/SPERC8/FD33xS/FD33xD Controllers	07.703.06.00
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 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 6.9 64-bit	System Utilities	RHEL 6.9 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 12.3 64-bit	System Utilities	SLES UPDATE	0

## PowerEdge M830

Operating System	Component	Device Name	Vendor Revision
Windows Server 2016 64-bit 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	10.1.2.85
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 SUSE Linux Enterprise Server 12.3 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers	9.2.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	9.2.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters, 20.8	20.8.4.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 20.8	20.8
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	FOXCONN  QLOGIC:Network and Fibre Channel Adapters	A00-00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN  QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Intel NIC Family Version 18.5.0 Drivers	18.5.0

Operating System	Component	Device Name	Vendor Revision
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	Intel NIC Family Version 18.5.0 Linux Base Drivers - RPM Install	18.5.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.35.12978.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers	34.04.00
SUSE Linux Enterprise Server 12.3 64-bit	SAS RAID	INVENTEC:Dell PERC version 7.703.06.00 H310/H710/H710P/H810/H330/H730/H730P/H830/H740/H840/SPERC8/FD33xS/FD33xD Controllers	07.703.06.00
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 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 6.9 64-bit	System Utilities	RHEL 6.9 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 12.3 64-bit	System Utilities	SLES UPDATE	0

## PowerEdge M830p

Operating System	Component	Device Name	Vendor Revision
Windows Server 2016 64-bit 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	10.1.2.85
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 SUSE Linux Enterprise Server 12.3 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers	9.2.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	9.2.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters, 20.8	20.8.4.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 20.8	20.8
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	FOXCONN  QLOGIC:Network and Fibre Channel Adapters	A00-00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN  QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Intel NIC Family Version 18.5.0 Drivers	18.5.0

Operating System	Component	Device Name	Vendor Revision
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	Intel NIC Family Version 18.5.0 Linux Base Drivers - RPM Install	18.5.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.21.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	22.00.04.00
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
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
SUSE Linux Enterprise Server 12.3 64-bit	SAS RAID	INVENTEC:Dell PERC version 7.703.06.00 H310/H710/H710P/H810/H330/H730/H730P/H830/H740/H840/SPERC8/FD33xS/FD33xD Controllers	07.703.06.00
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 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 6.9 64-bit	System Utilities	RHEL 6.9 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 12.3 64-bit	System Utilities	SLES UPDATE	0

# PowerEdge R230

Operating System	Component	Device Name	Vendor Revision
Windows Server 2016 64-bit 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	10.1.2.85
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters, 20.8	20.8.4.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 20.8	20.8
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	FOXCONN  QLOGIC:Network and Fibre Channel Adapters	A00-00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN  QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Intel NIC Family Version 18.5.0 Drivers	18.5.0
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	Intel NIC Family Version 18.5.0 Linux Base Drivers - RPM Install	18.5.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.21.1

Operating System	Component	Device Name	Vendor Revision
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit			
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	22.00.04.00
SUSE Linux Enterprise Server 12.3 64-bit	SAS RAID	INVENTEC:Dell PERC version 7.703.06.00 H310/H710/H710P/ H810/H330/H730/H730P/H830/ H740/H840/SPERC8/FD33xS/ FD33xD Controllers	07.703.06.00
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 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 6.9 64-bit	System Utilities	RHEL 6.9 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 12.3 64-bit	System Utilities	SLES UPDATE	0

# PowerEdge R330

Operating System	Component	Device Name	Vendor Revision
Windows Server 2016 64-bit 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	10.1.2.85
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers	9.2.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	9.2.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters, 20.8	20.8.4.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 20.8	20.8
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	FOXCONN  QLOGIC:Network and Fibre Channel Adapters	A00-00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN  QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Intel NIC Family Version 18.5.0 Drivers	18.5.0
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	Intel NIC Family Version 18.5.0 Linux Base Drivers - RPM Install	18.5.0

Operating System	Component	Device Name	Vendor Revision
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.21.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	22.00.04.00
SUSE Linux Enterprise Server 12.3 64-bit	SAS RAID	INVENTEC:Dell PERC version 7.703.06.00 H310/H710/H710P/ H810/H330/H730/H730P/H830/ H740/H840/SPERC8/FD33xS/ FD33xD Controllers	07.703.06.00
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 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 6.9 64-bit	System Utilities	RHEL 6.9 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 12.3 64-bit	System Utilities	SLES UPDATE	0

# PowerEdge R930

Operating System	Component	Device Name	Vendor Revision
Windows Server 2016 64-bit 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	10.1.2.85
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 SUSE Linux Enterprise Server 12.3 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers	9.2.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	9.2.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters, 20.8	20.8.4.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 20.8	20.8
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	FOXCONN  QLOGIC:Network and Fibre Channel Adapters	A00-00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN  QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Intel NIC Family Version 18.5.0 Drivers	18.5.0

Operating System	Component	Device Name	Vendor Revision
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	Intel NIC Family Version 18.5.0 Linux Base Drivers - RPM Install	18.5.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Mellanox ConnectX-3 and ConnectX-3 Pro Ethernet adapters	5.35.12978.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Mellanox ConnectX-4 Lx and ConnectX-4 Ethernet adapters	1.80.18515.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.21.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	22.00.04.00
SUSE Linux Enterprise Server 12.3 64-bit	SAS RAID	INVENTEC:Dell PERC version 7.703.06.00 H310/H710/H710P/H810/H330/H730/H730P/H830/H740/H840/SPERC8/FD33xS/FD33xD Controllers	07.703.06.00
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
Red Hat Enterprise Linux 6.9 64-bit	System Utilities	RHEL 6.9 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 12.3 64-bit	System Utilities	SLES UPDATE	0

## PowerEdge T130

Operating System	Component	Device Name	Vendor Revision
Windows Server 2016 64-bit 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	10.1.2.85
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters, 20.8	20.8.4.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 20.8	20.8
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	FOXCONN  QLOGIC:Network and Fibre Channel Adapters	A00-00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN  QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Intel NIC Family Version 18.5.0 Drivers	18.5.0
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	Intel NIC Family Version 18.5.0 Linux Base Drivers - RPM Install	18.5.0
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.21.1

Operating System	Component	Device Name	Vendor Revision
Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit			
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	22.00.04.00
SUSE Linux Enterprise Server 12.3 64-bit	SAS RAID	INVENTEC:Dell PERC version 7.703.06.00 H310/H710/H710P/ H810/H330/H730/H730P/H830/ H740/H840/SPERC8/FD33xS/ FD33xD Controllers	07.703.06.00
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 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 6.9 64-bit	System Utilities	RHEL 6.9 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 12.3 64-bit	System Utilities	SLES UPDATE	0

## PowerEdge T330

Operating System	Component	Device Name	Vendor Revision
Windows Server 2016 64-bit 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	10.1.2.85
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers	9.2.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	9.2.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters, 20.8	20.8.1
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters, 20.8	20.8.4.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet, 20.8	20.8
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	FOXCONN  QLOGIC:Network and Fibre Channel Adapters	A00-00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	FOXCONN  QLOGIC:QLogic 578xx Adapters 64bit Windows drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	Intel NIC Family Version 18.5.0 Drivers	18.5.0
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	Network	Intel NIC Family Version 18.5.0 Linux Base Drivers - RPM Install	18.5.0

Operating System	Component	Device Name	Vendor Revision
Windows Server 2016 64-bit Windows Server 2012 R2 64-bit	Network	QLogic FastLinQ QL41xxx,45xxx Adapters 64 bits Windows Drivers	34.04.00
Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 R2 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.21.1
Red Hat Enterprise Linux 6.9 64-bit SUSE Linux Enterprise Server 12.3 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	22.00.04.00
SUSE Linux Enterprise Server 12.3 64-bit	SAS RAID	INVENTEC:Dell PERC version 7.703.06.00 H310/H710/H710P/ H810/H330/H730/H730P/H830/ H740/H840/SPERC8/FD33xS/ FD33xD Controllers	07.703.06.00
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 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 6.9 64-bit	System Utilities	RHEL 6.9 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 12.3 64-bit	System Utilities	SLES UPDATE	0