

Lifecycle Controller Operating System Driver Pack

Version 19.12.08 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 15th 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/esmanuals.

PowerEdge R7515

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Chipset	AMD SP3 ROME Series Chipset driver	1.07.12.1102
Windows Server 2019 64-bit Windows Server 2016 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.2.2
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 8.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	10.2.2
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.60.1
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.6
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.60.22.11
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet	21.6
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Intel NIC Family Version 19.5.0 Drivers	19.5.0
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 8.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Network	Intel NIC Family Version 19.5.0 Linux Base Drivers - RPM Install	19.5.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4 and ConnectX-5 Ethernet adapters	2.20.21096.0
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 8.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	35.05.00.15
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	QLogic FastLinQ QL41xxx, FC Adapters 64 bit Windows Drivers	35.05.00
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 8.1 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare Linux Base Drivers - Binary RPM Install	4.15.5.1003

Operating System	Component	Device Name	Vendor Revision
Red Hat Enterprise Linux 7.7 64-bit			
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare X2522-25G and X2562 Drivers	1.6.1
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Red Hat Enterprise Linux 7.7 64-bit	SAS Non-RAID	HBA345, Dell 12Gbps HBA and HBA330	30.00.00.00
SUSE Linux Enterprise Server 15.1 64-bit	SAS Non-RAID	HBA345, HBA330 and 12Gbps HBA	30.00.00.00
Red Hat Enterprise Linux 8.1 64-bit	SAS Non-RAID	INVENTEC:HBA345, HBA330 and 12Gbps HBA	30.00.00.00
Windows Server 2019 64-bit Windows Server 2016 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
Red Hat Enterprise Linux 8.1 64-bit	SAS RAID	INVENTEC:PERC Controllers	07.710.06.00
Red Hat Enterprise Linux 7.7 64-bit	SAS RAID	INVENTEC:PERC Controllers	7.710.6.00
SUSE Linux Enterprise Server 15.1 64-bit	SAS RAID	INVENTEC:PERC controllers	7.710.06.00
Windows Server 2016 64-bit Windows Server 2019 64-bit	SAS RAID	INVENTEC:PERC10 RAID Controllers	7.711.4.0
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 7.7 64-bit	System Utilities	RHEL 7.7 64 bit UPDATE	0
Red Hat Enterprise Linux 8.1 64-bit	System Utilities	RHEL 8.1 64 bit UPDATE	0
SUSE Linux Enterprise Server 15.1 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit	Video	Matrox Video Driver	4.4.1.3

PowerEdge R6525

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Chipset	AMD SP3 ROME Series Chipset driver	1.07.12.1102
Windows Server 2019 64-bit Windows Server 2016 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.2.2
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 8.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	10.2.2
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.60.1
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.6
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.60.22.11
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet	21.6
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Intel NIC Family Version 19.5.0 Drivers	19.5.0
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 8.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Network	Intel NIC Family Version 19.5.0 Linux Base Drivers - RPM Install	19.5.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4 and ConnectX-5 Ethernet adapters	2.20.21096.0
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 8.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	35.05.00.15
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	QLogic FastLinQ QL41xxx, FC Adapters 64 bit Windows Drivers	35.05.00
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 8.1 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare Linux Base Drivers - Binary RPM Install	4.15.5.1003

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Red Hat Enterprise Linux 7.7 64-bit			
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare X2522-25G and X2562 Drivers	1.6.1
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Windows Server 2019 64-bit	SAS Non-RAID	Dell HBA345	2.60.88.01
Windows Server 2016 64-bit	SAS Non-RAID	HBA345 Controllers	2.60.88.01
Red Hat Enterprise Linux 7.7 64-bit	SAS Non-RAID	HBA345, Dell 12Gbps HBA and HBA330	30.00.00.00
SUSE Linux Enterprise Server 15.1 64-bit	SAS Non-RAID	HBA345, HBA330 and 12Gbps HBA	30.00.00.00
Red Hat Enterprise Linux 8.1 64-bit	SAS Non-RAID	INVENTEC:HBA345, HBA330 and 12Gbps HBA	30.00.00.00
Windows Server 2019 64-bit Windows Server 2016 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
Red Hat Enterprise Linux 8.1 64-bit	SAS RAID	INVENTEC:PERC Controllers	07.710.06.00
Red Hat Enterprise Linux 7.7 64-bit	SAS RAID	INVENTEC:PERC Controllers	7.710.6.00
SUSE Linux Enterprise Server 15.1 64-bit	SAS RAID	INVENTEC:PERC controllers	7.710.06.00
Windows Server 2016 64-bit Windows Server 2019 64-bit	SAS RAID	INVENTEC:PERC10 RAID Controllers	7.711.4.0
Red Hat Enterprise Linux 7.7 64-bit	System Utilities	RHEL 7.7 64 bit UPDATE	0
Red Hat Enterprise Linux 8.1 64-bit	System Utilities	RHEL 8.1 64 bit UPDATE	0
SUSE Linux Enterprise Server 15.1 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit	Video	Matrox Video Driver	4.4.1.3

PowerEdge R6515

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Chipset	AMD SP3 ROME Series Chipset driver	1.07.12.1102
Windows Server 2019 64-bit Windows Server 2016 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.2.2
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 8.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	10.2.2
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.60.1
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.6
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.60.22.11
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet	21.6
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Intel NIC Family Version 19.5.0 Drivers	19.5.0
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 8.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Network	Intel NIC Family Version 19.5.0 Linux Base Drivers - RPM Install	19.5.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4 and ConnectX-5 Ethernet adapters	2.20.21096.0
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 8.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	35.05.00.15
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	QLogic FastLinQ QL41xxx, FC Adapters 64 bit Windows Drivers	35.05.00
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 8.1 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare Linux Base Drivers - Binary RPM Install	4.15.5.1003

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Red Hat Enterprise Linux 7.7 64-bit			
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare X2522-25G and X2562 Drivers	1.6.1
Windows Server 2019 64-bit Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
Windows Server 2016 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.01
Red Hat Enterprise Linux 7.7 64-bit	SAS Non-RAID	HBA345, Dell 12Gbps HBA and HBA330	30.00.00.00
SUSE Linux Enterprise Server 15.1 64-bit	SAS Non-RAID	HBA345, HBA330 and 12Gbps HBA	30.00.00.00
Red Hat Enterprise Linux 8.1 64-bit	SAS Non-RAID	INVENTEC:HBA345, HBA330 and 12Gbps HBA	30.00.00.00
Windows Server 2019 64-bit Windows Server 2016 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
Red Hat Enterprise Linux 8.1 64-bit	SAS RAID	INVENTEC:PERC Controllers	07.710.06.00
Red Hat Enterprise Linux 7.7 64-bit	SAS RAID	INVENTEC:PERC Controllers	7.710.6.00
SUSE Linux Enterprise Server 15.1 64-bit	SAS RAID	INVENTEC:PERC controllers	7.710.06.00
Windows Server 2016 64-bit Windows Server 2019 64-bit	SAS RAID	INVENTEC:PERC10 RAID Controllers	7.711.4.0
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 7.7 64-bit	System Utilities	RHEL 7.7 64 bit UPDATE	0
Red Hat Enterprise Linux 8.1 64-bit	System Utilities	RHEL 8.1 64 bit UPDATE	0
SUSE Linux Enterprise Server 15.1 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit	Video	Matrox Video Driver	4.4.1.3

PowerEdge C6525

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Chipset	AMD SP3 ROME Series Chipset driver	1.07.12.1102
Windows Server 2019 64-bit Windows Server 2016 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Drivers and Software Application	10.2.2
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 8.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Fibre Channel	AVAGO TECHNOLOGIES:Emulex Fibre Channel Adapter Linux Drivers	10.2.2
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.60.1
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.6
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.60.22.11
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet	21.6
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Intel NIC Family Version 19.5.0 Drivers	19.5.0
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 8.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Network	Intel NIC Family Version 19.5.0 Linux Base Drivers - RPM Install	19.5.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Mellanox ConnectX-4 Lx, ConnectX-4 and ConnectX-5 Ethernet adapters	2.20.21096.0
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 8.1 64-bit Red Hat Enterprise Linux 7.7 64-bit	Network	QLOGIC:Network and Fibre Channel Adapters	35.05.00.15
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	QLogic FastLinQ QL41xxx, FC Adapters 64 bit Windows Drivers	35.05.00
SUSE Linux Enterprise Server 15.1 64-bit Red Hat Enterprise Linux 8.1 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare Linux Base Drivers - Binary RPM Install	4.15.5.1003

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Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare X2522-25G and X2562 Drivers	1.6.1
Windows Server 2019 64-bit	SAS Non-RAID	Dell HBA345	2.60.88.01
Windows Server 2016 64-bit	SAS Non-RAID	HBA345 Controllers	2.60.88.01
Red Hat Enterprise Linux 7.7 64-bit	SAS Non-RAID	HBA345, Dell 12Gbps HBA and HBA330	30.00.00.00
SUSE Linux Enterprise Server 15.1 64-bit	SAS Non-RAID	HBA345, HBA330 and 12Gbps HBA	30.00.00.00
Red Hat Enterprise Linux 8.1 64-bit	SAS Non-RAID	INVENTEC:HBA345, HBA330 and 12Gbps HBA	30.00.00.00
Windows Server 2019 64-bit Windows Server 2016 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Modular	1.2.0.1048
Red Hat Enterprise Linux 8.1 64-bit	SAS RAID	INVENTEC:PERC Controllers	07.710.06.00
Red Hat Enterprise Linux 7.7 64-bit	SAS RAID	INVENTEC:PERC Controllers	7.710.6.00
SUSE Linux Enterprise Server 15.1 64-bit	SAS RAID	INVENTEC:PERC controllers	7.710.06.00
Windows Server 2016 64-bit Windows Server 2019 64-bit	SAS RAID	INVENTEC:PERC10 RAID Controllers	7.711.4.0
Red Hat Enterprise Linux 7.7 64-bit	System Utilities	RHEL 7.7 64 bit UPDATE	0
Red Hat Enterprise Linux 8.1 64-bit	System Utilities	RHEL 8.1 64 bit UPDATE	0
SUSE Linux Enterprise Server 15.1 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit	Video	Matrox Video Driver	4.4.1.3