

# Lifecycle Controller Operating System Driver Pack

Version 21.03.10 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.

# Contents

<b>Chapter 1: Overview.....</b>	<b>4</b>
<b>Chapter 2: PowerEdge R750XA.....</b>	<b>5</b>
<b>Chapter 3: PowerEdge R750.....</b>	<b>7</b>
<b>Chapter 4: PowerEdge R650.....</b>	<b>9</b>
<b>Chapter 5: PowerEdge MX750C.....</b>	<b>11</b>
<b>Chapter 6: PowerEdge C6520.....</b>	<b>13</b>

# 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/esmmanuals](https://dell.com/esmmanuals).

## PowerEdge R750XA

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.18612.8252
Windows Server 2019 64-bit Windows Server 2016 64-bit	Fibre Channel	BROADCOM CORPORATION:Emulex Fibre Channel Adapter Drivers and Software Application	10.3.6
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Fibre Channel	BROADCOM CORPORATION:Emulex Fibre Channel Adapter Linux Drivers	10.3.6
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.80.3
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.8
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.80.16.60
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet	21.8
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Intel NIC Family Version 20.0.0 Drivers	20.0.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	MELLANOX TECHNOLOGIES INC:Mellanox ConnectX-4 Lx, ConnectX-4, ConnectX-5 and ConnectX-6 Ethernet adapters	02.050.02
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Marvell FastLinQ 41000 series Ethernet adapters and Marvell QLogic Fibre Channel Adapters	35.20.14
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare Linux Base Drivers - Binary RPM Install	A00

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare X2522-25G and X2562 Drivers	1.9.1
Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
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 8.3 64-bit Red Hat Enterprise Linux 7.9 64-bit SUSE Linux Enterprise Server 15.2 64-bit	SAS Non-RAID	HBA Controllers	34.15.04.00
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS Non-RAID	HBA10-11 Controllers	2.61.14.00
Windows Server 2019 64-bit Windows Server 2016 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Adapter BOSS-S1 Modular BOSS-S1 Modular	1.2.0.1051
Windows Server 2016 64-bit	SAS RAID	INVENTEC: PERC Controllers	7.714.6.0
Windows Server 2019 64-bit	SAS RAID	INVENTEC:PERC Controllers	7.714.6.0
Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS RAID	INVENTEC:PERC H330/H730/ H730P/H830/H730P MX/ FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS RAID	PERC S150 Controller	6.1.0.0009
Red Hat Enterprise Linux 7.9 64-bit	System Utilities	RHEL 7.9 64 bit UPDATE	0
Red Hat Enterprise Linux 8.3 64-bit	System Utilities	RHEL 8.3 64 bit UPDATE	0
SUSE Linux Enterprise Server 15.2 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Video	Matrox Video Driver	4.4.3.1

## PowerEdge R750

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.18612.8252
Windows Server 2019 64-bit Windows Server 2016 64-bit	Fibre Channel	BROADCOM CORPORATION:Emulex Fibre Channel Adapter Drivers and Software Application	10.3.6
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Fibre Channel	BROADCOM CORPORATION:Emulex Fibre Channel Adapter Linux Drivers	10.3.6
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.80.3
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.8
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.80.16.60
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet	21.8
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Intel NIC Family Version 20.0.0 Drivers	20.0.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	MELLANOX TECHNOLOGIES INC:Mellanox ConnectX-4 Lx, ConnectX-4, ConnectX-5 and ConnectX-6 Ethernet adapters	02.050.02
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Marvell FastLinQ 41000 series Ethernet adapters and Marvell QLogic Fibre Channel Adapters	35.20.14
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare Linux Base Drivers - Binary RPM Install	A00

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare X2522-25G and X2562 Drivers	1.9.1
Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
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 8.3 64-bit Red Hat Enterprise Linux 7.9 64-bit SUSE Linux Enterprise Server 15.2 64-bit	SAS Non-RAID	HBA Controllers	34.15.04.00
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS Non-RAID	HBA10-11 Controllers	2.61.14.00
Windows Server 2019 64-bit Windows Server 2016 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Adapter BOSS-S1 Modular BOSS-S1 Modular	1.2.0.1051
Windows Server 2016 64-bit	SAS RAID	INVENTEC: PERC Controllers	7.714.6.0
Windows Server 2019 64-bit	SAS RAID	INVENTEC:PERC Controllers	7.714.6.0
Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS RAID	INVENTEC:PERC H330/H730/ H730P/H830/H730P MX/ FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS RAID	PERC S150 Controller	6.1.0.0009
Red Hat Enterprise Linux 7.9 64-bit	System Utilities	RHEL 7.9 64 bit UPDATE	0
Red Hat Enterprise Linux 8.3 64-bit	System Utilities	RHEL 8.3 64 bit UPDATE	0
SUSE Linux Enterprise Server 15.2 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Video	Matrox Video Driver	4.4.3.1

## PowerEdge R650

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.18612.8252
Windows Server 2019 64-bit Windows Server 2016 64-bit	Fibre Channel	BROADCOM CORPORATION:Emulex Fibre Channel Adapter Drivers and Software Application	10.3.6
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Fibre Channel	BROADCOM CORPORATION:Emulex Fibre Channel Adapter Linux Drivers	10.3.6
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.80.3
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.8
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.80.16.60
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet	21.8
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Intel NIC Family Version 20.0.0 Drivers	20.0.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	MELLANOX TECHNOLOGIES INC:Mellanox ConnectX-4 Lx, ConnectX-4, ConnectX-5 and ConnectX-6 Ethernet adapters	02.050.02
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Marvell FastLinQ 41000 series Ethernet adapters and Marvell QLogic Fibre Channel Adapters	35.20.14
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare Linux Base Drivers - Binary RPM Install	A00

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare X2522-25G and X2562 Drivers	1.9.1
Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
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 8.3 64-bit Red Hat Enterprise Linux 7.9 64-bit SUSE Linux Enterprise Server 15.2 64-bit	SAS Non-RAID	HBA Controllers	34.15.04.00
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS Non-RAID	HBA10-11 Controllers	2.61.14.00
Windows Server 2019 64-bit Windows Server 2016 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Adapter BOSS-S1 Modular BOSS-S1 Modular	1.2.0.1051
Windows Server 2016 64-bit	SAS RAID	INVENTEC: PERC Controllers	7.714.6.0
Windows Server 2019 64-bit	SAS RAID	INVENTEC:PERC Controllers	7.714.6.0
Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS RAID	INVENTEC:PERC H330/H730/ H730P/H830/H730P MX/ FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS RAID	PERC S150 Controller	6.1.0.0009
Red Hat Enterprise Linux 7.9 64-bit	System Utilities	RHEL 7.9 64 bit UPDATE	0
Red Hat Enterprise Linux 8.3 64-bit	System Utilities	RHEL 8.3 64 bit UPDATE	0
SUSE Linux Enterprise Server 15.2 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Video	Matrox Video Driver	4.4.3.1

## PowerEdge MX750C

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.18612.8252
Windows Server 2019 64-bit Windows Server 2016 64-bit	Fibre Channel	BROADCOM CORPORATION:Emulex Fibre Channel Adapter Drivers and Software Application	10.3.6
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Fibre Channel	BROADCOM CORPORATION:Emulex Fibre Channel Adapter Linux Drivers	10.3.6
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.80.3
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.8
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.80.16.60
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet	21.8
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Intel NIC Family Version 20.0.0 Drivers	20.0.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	MELLANOX TECHNOLOGIES INC:Mellanox ConnectX-4 Lx, ConnectX-4, ConnectX-5 and ConnectX-6 Ethernet adapters	02.050.02
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Marvell FastLinQ 41000 series Ethernet adapters and Marvell QLogic Fibre Channel Adapters	35.20.14
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare Linux Base Drivers - Binary RPM Install	A00

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare X2522-25G and X2562 Drivers	1.9.1
Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
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 8.3 64-bit Red Hat Enterprise Linux 7.9 64-bit SUSE Linux Enterprise Server 15.2 64-bit	SAS Non-RAID	HBA Controllers	34.15.04.00
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS Non-RAID	HBA10-11 Controllers	2.61.14.00
Windows Server 2019 64-bit Windows Server 2016 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Adapter BOSS-S1 Modular BOSS-S1 Modular	1.2.0.1051
Windows Server 2016 64-bit	SAS RAID	INVENTEC: PERC Controllers	7.714.6.0
Windows Server 2019 64-bit	SAS RAID	INVENTEC:PERC Controllers	7.714.6.0
Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS RAID	INVENTEC:PERC H330/H730/ H730P/H830/H730P MX/ FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS RAID	PERC S150 Controller	6.1.0.0009
Red Hat Enterprise Linux 7.9 64-bit	System Utilities	RHEL 7.9 64 bit UPDATE	0
Red Hat Enterprise Linux 8.3 64-bit	System Utilities	RHEL 8.3 64 bit UPDATE	0
SUSE Linux Enterprise Server 15.2 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Video	Matrox Video Driver	4.4.3.1

## PowerEdge C6520

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Chipset	Intel Lewisburg C62x Series Chipset Drivers	10.1.18612.8252
Windows Server 2019 64-bit Windows Server 2016 64-bit	Fibre Channel	BROADCOM CORPORATION:Emulex Fibre Channel Adapter Drivers and Software Application	10.3.6
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Fibre Channel	BROADCOM CORPORATION:Emulex Fibre Channel Adapter Linux Drivers	10.3.6
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.80.3
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Network	BROADCOM CORPORATION:NetXtreme Ethernet adapters	21.8
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet adapters	21.80.16.60
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Network	BROADCOM CORPORATION:NetXtreme-E Ethernet	21.8
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Intel NIC Family Version 20.0.0 Drivers	20.0.0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	MELLANOX TECHNOLOGIES INC:Mellanox ConnectX-4 Lx, ConnectX-4, ConnectX-5 and ConnectX-6 Ethernet adapters	02.050.02
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	Marvell FastLinQ 41000 series Ethernet adapters and Marvell QLogic Fibre Channel Adapters	35.20.14
Red Hat Enterprise Linux 7.9 64-bit Red Hat Enterprise Linux 8.3 64-bit SUSE Linux Enterprise Server 15.2 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare Linux Base Drivers - Binary RPM Install	A00

Operating System	Component	Device Name	Vendor Revision
Windows Server 2019 64-bit Windows Server 2016 64-bit	Network	SOLARFLARE COMMUNICATIONS INC:Solarflare X2522-25G and X2562 Drivers	1.9.1
Windows Server 2019 64-bit	SAS Non-RAID	Dell 12Gbps HBA and HBA330	2.51.25.02
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 8.3 64-bit Red Hat Enterprise Linux 7.9 64-bit SUSE Linux Enterprise Server 15.2 64-bit	SAS Non-RAID	HBA Controllers	34.15.04.00
Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS Non-RAID	HBA10-11 Controllers	2.61.14.00
Windows Server 2019 64-bit Windows Server 2016 64-bit	SAS RAID	BOSS-S1 Adapter BOSS-S1 Adapter BOSS-S1 Modular BOSS-S1 Modular	1.2.0.1051
Windows Server 2016 64-bit	SAS RAID	INVENTEC: PERC Controllers	7.714.6.0
Windows Server 2019 64-bit	SAS RAID	INVENTEC:PERC Controllers	7.714.6.0
Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS RAID	INVENTEC:PERC H330/H730/ H730P/H830/H730P MX/ FD33xD/FD33xS Controllers	6.604.06.00
Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2019 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit Windows Server 2016 64-bit	SAS RAID	PERC S150 Controller	6.1.0.0009
Red Hat Enterprise Linux 7.9 64-bit	System Utilities	RHEL 7.9 64 bit UPDATE	0
Red Hat Enterprise Linux 8.3 64-bit	System Utilities	RHEL 8.3 64 bit UPDATE	0
SUSE Linux Enterprise Server 15.2 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2019 64-bit Windows Server 2016 64-bit	Video	Matrox Video Driver	4.4.3.1