

**Lifecycle Controller Operating System Driver
Pack Version 7.4.2
Reference Guide**



Notes, Cautions, and Warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your computer.

 **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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Contents

1 Overview.....	4
Other Documents You May Need.....	4
Accessing Documents From Dell Support Site.....	4
Contacting Dell.....	5
PowerEdge M520.....	5
PowerEdge M620.....	8
PowerEdge M620 VRTX.....	12
PowerEdge R220.....	15

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 server (includes all 11th and 12th generation servers). The driver pack contains the drivers needed for OS deployment using Lifecycle Controller. For information on OS deployment, see the *Lifecycle Controller GUI User's Guide* available at dell.com/esmmanuals.

Other Documents You May Need

In addition to this guide, you can access the following documents available at dell.com/support/manuals:

- The Dell Lifecycle Controller 2 GUI User's Guide (12th Generation)
- The Dell Lifecycle Controller USC/USC-LCE User's Guide (11th Generation)

The Dell Lifecycle Controller provides advanced embedded systems management to perform systems management tasks such as deploy, configure, update, maintain, and diagnose through a graphical user interface.


Accessing Documents From Dell Support Site

You can access the required documents in one of the following ways:

- Using the following links:
 - For all Systems Management documents — dell.com/softwaresecuritymanuals
 - For Remote Enterprise Systems Management documents — dell.com/esmmanuals
 - For Enterprise Systems Management documents — dell.com/openmanagemanuals
 - For Client Systems Management documents — dell.com/OMConnectionsClient
 - For Serviceability Tools documents — dell.com/serviceabilitytools
 - For OpenManage Connections Enterprise Systems Management documents — dell.com/OMConnectionsEnterpriseSystemsManagement
 - For OpenManage Connections Client Systems Management documents — dell.com/OMConnectionsClient
- From the Dell Support site:
 - a. Go to dell.com/support/manuals.
 - b. Under **General support** section, click **Software & Security**.
 - c. In the **Software & Security** group box, click the required link from the following:
 - **Serviceability Tools**
 - **Enterprise System Management**
 - **Client System Management**
 - **Remote Enterprise System Management**
 - d. To view a document, click the required product version.

- Using search engines:
 - Type the name and version of the document in the **Search** box.

Contacting Dell

 **NOTE:** If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

1. Visit **dell.com/support**
2. Select your support category.
3. Verify your country or region in the Choose a Country/Region drop-down menu at the top of page.
4. Select the appropriate service or support link based on your need.

PowerEdge M520

Operating System	Component	Device Name	Vendor Revision
Windows Server 2008 Windows Server 2012 64-bit Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2008 64-bit	Chipset	Chipset Driver	9.3.2.1017
Red Hat Enterprise Linux 5.0 64-bit SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit Red Hat Enterprise Linux 6.5 64-bit Red Hat Enterprise Linux 5.0	Fibre Channel	EMULEX: Family Fibre Channel Drivers	08.01.16
Windows Server 2008 Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2012 64-bit Windows Server 2008 64-bit	Fibre Channel	EMULEX: Family Fibre Channel Drivers	8.1.16

Operating System	Component	Device Name	Vendor Revision
Windows Server 2008 R2 64-bit Windows Small Business Server 2011 64-bit	MASS Storage	Custom Files	0.1
Red Hat Enterprise Linux 5.0 64-bit SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit Red Hat Enterprise Linux 6.5 64-bit Red Hat Enterprise Linux 5.0 Windows Server 2008 Windows Server 2012 64-bit Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2008 64-bit	Network	BROADCOM CORPORATION: Family Network Drivers	18.2.2
Windows Server 2012 64-bit Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2008 64-bit Windows Server 2008 Red Hat Enterprise Linux 5.0 64-bit SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit Red Hat Enterprise Linux 5.0	Network	INTEL: Family Network Drivers	15.0.0
Windows Server 2008 R2 64-bit	Network	MELLANOX TECHNOLOGIES INC: Family Network Drivers	04.40.00
Windows Server 2008 Windows Server 2012 64-bit	Network	QLOGIC: Family Network Drivers	5.0.8

Operating System	Component	Device Name	Vendor Revision
Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2008 64-bit			
Red Hat Enterprise Linux 5.0 64-bit SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit Red Hat Enterprise Linux 5.0	Network	QLOGIC: Family Network Drivers	6.0.0
Windows Server 2008 R2 64-bit Windows Server 2008 64-bit Windows Server 2008	SAS Non-RAID	6Gbps SAS HBA Internal Tape Adapter	2.0.35.10
Windows Server 2008 R2 64-bit Windows Server 2008 64-bit Windows Server 2008 Windows Server 2012 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H310 Adapter PERC H310 Embedded PERC H310 Mini Blade PERC H310 Mini Monolithic PERC H710 Adapter PERC H710 Mini Blade PERC H710 Mini Monolithic PERC H710P Adapter PERC H710P Mini Blade PERC H710P Mini Monolithic PERC H810 Adapter Shared PERC8	6.802.19.0
Windows Server 2008 Windows Server 2008 64-bit Windows Server 2008 R2 64-bit	SAS RAID	PERC S110 Integrated	3.0.0.0134

Operating System	Component	Device Name	Vendor Revision
Windows Server 2012 64-bit	SAS RAID	PERC S110 Integrated	3.1.0.0012
Windows Server 2012 R2 64-bit	SAS RAID	PERC S110 Integrated	3.2.0-0008
Red Hat Enterprise Linux 6.5 64-bit	SAS RAID	Shared PERC8	6.803.02.00
Windows Server 2008 Windows Server 2012 64-bit Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2008 64-bit	SCSI non-RAID	Backplane Driver	NA
SUSE 10 64-bit SUSE 11 64-bit	System Utilities	DKMS	0
Red Hat Enterprise Linux 5.0	System Utilities	RHEL 5.9 32 bit UPDATE	0
Red Hat Enterprise Linux 5.0 64-bit	System Utilities	RHEL 5.9 64 bit UPDATE	0
Red Hat Enterprise Linux 6.3 64-bit	System Utilities	RHEL 6.4 64 bit UPDATE	0
Red Hat Enterprise Linux 6.5 64-bit	System Utilities	RHEL 6.5 64 bit UPDATE	0
SUSE 11 64-bit SUSE 10 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2008 Windows Server 2008 R2 64-bit Windows Server 2008 64-bit	Video	Video Driver	2.4.1.0

PowerEdge M620

Operating System	Component	Device Name	Vendor Revision
Windows Server 2008 Windows Server 2012 64-bit Windows Server 2012 R2 64-bit	Chipset	Chipset Driver	9.3.2.1017

Operating System	Component	Device Name	Vendor Revision
Windows Server 2008 R2 64-bit Windows Server 2008 64-bit			
Red Hat Enterprise Linux 5.0 64-bit SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit Red Hat Enterprise Linux 6.5 64-bit Red Hat Enterprise Linux 5.0	Fibre Channel	EMULEX: Family Fibre Channel Drivers	08.01.16
Windows Server 2008 Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2012 64-bit Windows Server 2008 64-bit	Fibre Channel	EMULEX: Family Fibre Channel Drivers	8.1.16
Windows Server 2008 R2 64-bit Windows Small Business Server 2011 64-bit	MASS Storage	Custom Files	0.1
Red Hat Enterprise Linux 5.0 64-bit SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit Red Hat Enterprise Linux 6.5 64-bit Red Hat Enterprise Linux 5.0 Windows Server 2008 Windows Server 2012 64-bit Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2008 64-bit	Network	BROADCOM CORPORATION: Family Network Drivers	18.2.2

Operating System	Component	Device Name	Vendor Revision
Windows Server 2012 64-bit Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2008 64-bit Windows Server 2008 Red Hat Enterprise Linux 5.0 64-bit SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit Red Hat Enterprise Linux 5.0	Network	INTEL: Family Network Drivers	15.0.0
Windows Server 2008 R2 64-bit	Network	MELLANOX TECHNOLOGIES INC: Family Network Drivers	04.40.00
Windows Server 2008 Windows Server 2012 64-bit Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2008 64-bit	Network	QLOGIC: Family Network Drivers	5.0.8
Red Hat Enterprise Linux 5.0 64-bit SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit Red Hat Enterprise Linux 5.0	Network	QLOGIC: Family Network Drivers	6.0.0
SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit Red Hat Enterprise Linux 6.5 64-bit	PCIe SSS	PCIe SSS Driver	3.3.0
Windows Server 2008 R2 64-bit Windows Server 2012 R2 64-bit	PCIe SSS	PCIe SSS Driver	8.3.6874.0

Operating System	Component	Device Name	Vendor Revision
Windows Server 2012 64-bit			
Windows Server 2008 R2 64-bit Windows Server 2008 64-bit Windows Server 2008	SAS Non-RAID	6Gbps SAS HBA Internal Tape Adapter	2.0.35.10
Windows Server 2008 R2 64-bit Windows Server 2008 64-bit Windows Server 2008 Windows Server 2012 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H310 Adapter PERC H310 Embedded PERC H310 Mini Blade PERC H310 Mini Monolithic PERC H710 Adapter PERC H710 Mini Blade PERC H710 Mini Monolithic PERC H710P Adapter PERC H710P Mini Blade PERC H710P Mini Monolithic PERC H810 Adapter Shared PERC8	6.802.19.0
Windows Server 2008 Windows Server 2008 64-bit Windows Server 2008 R2 64-bit	SAS RAID	PERC S110 Integrated	3.0.0.0134
Windows Server 2012 64-bit	SAS RAID	PERC S110 Integrated	3.1.0.0012
Windows Server 2012 R2 64-bit	SAS RAID	PERC S110 Integrated	3.2.0-0008
Red Hat Enterprise Linux 6.5 64-bit	SAS RAID	Shared PERC8	6.803.02.00
Windows Server 2008 Windows Server 2012 64-bit Windows Server 2012 R2 64-bit	SCSI non-RAID	Backplane Driver	NA

Operating System	Component	Device Name	Vendor Revision
Windows Server 2008 R2 64-bit Windows Server 2008 64-bit			
SUSE 10 64-bit SUSE 11 64-bit	System Utilities	DKMS	0
Red Hat Enterprise Linux 5.0	System Utilities	RHEL 5.9 32 bit UPDATE	0
Red Hat Enterprise Linux 5.0 64-bit	System Utilities	RHEL 5.9 64 bit UPDATE	0
Red Hat Enterprise Linux 6.3 64-bit	System Utilities	RHEL 6.4 64 bit UPDATE	0
Red Hat Enterprise Linux 6.5 64-bit	System Utilities	RHEL 6.5 64 bit UPDATE	0
SUSE 11 64-bit SUSE 10 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2008 Windows Server 2008 R2 64-bit Windows Server 2008 64-bit	Video	Video Driver	2.4.1.0

PowerEdge M620 VRTX

Operating System	Component	Device Name	Vendor Revision
Windows Server 2008 Windows Server 2012 64-bit Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2008 64-bit	Chipset	Chipset Driver	9.3.2.1017
Red Hat Enterprise Linux 5.0 64-bit SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit	Fibre Channel	EMULEX: Family Fibre Channel Drivers	08.01.16

Operating System	Component	Device Name	Vendor Revision
Red Hat Enterprise Linux 6.5 64-bit Red Hat Enterprise Linux 5.0			
Windows Server 2008 Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2012 64-bit Windows Server 2008 64-bit	Fibre Channel	EMULEX: Family Fibre Channel Drivers	8.1.16
Windows Server 2008 R2 64-bit Windows Small Business Server 2011 64-bit	MASS Storage	Custom Files	0.1
Red Hat Enterprise Linux 5.0 64-bit SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit Red Hat Enterprise Linux 6.5 64-bit Red Hat Enterprise Linux 5.0 Windows Server 2008 Windows Server 2012 64-bit Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2008 64-bit	Network	BROADCOM CORPORATION: Family Network Drivers	18.2.2
Windows Server 2012 64-bit Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2008 64-bit Windows Server 2008 Red Hat Enterprise Linux 5.0 64-bit	Network	INTEL: Family Network Drivers	15.0.0

Operating System	Component	Device Name	Vendor Revision
SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit Red Hat Enterprise Linux 5.0			
SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit Red Hat Enterprise Linux 6.5 64-bit	PCIe SSS	PCIe SSS Driver	3.3.0
Windows Server 2008 R2 64-bit Windows Server 2012 R2 64-bit Windows Server 2012 64-bit	PCIe SSS	PCIe SSS Driver	8.3.6874.0
Windows Server 2008 R2 64-bit Windows Server 2008 64-bit Windows Server 2008	SAS Non-RAID	6Gbps SAS HBA Internal Tape Adapter	2.0.35.10
Windows Server 2008 R2 64-bit Windows Server 2008 64-bit Windows Server 2008 Windows Server 2012 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H310 Adapter PERC H310 Embedded PERC H310 Mini Blade PERC H310 Mini Monolithic PERC H710 Adapter PERC H710 Mini Blade PERC H710 Mini Monolithic PERC H710P Adapter PERC H710P Mini Blade PERC H710P Mini Monolithic PERC H810 Adapter Shared PERC8	6.802.19.0

Operating System	Component	Device Name	Vendor Revision
Red Hat Enterprise Linux 6.5 64-bit	SAS RAID	Shared PERC8	6.803.02.00
Windows Server 2008 Windows Server 2012 64-bit Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2008 64-bit	SCSI non-RAID	Backplane Driver	NA
SUSE 10 64-bit SUSE 11 64-bit	System Utilities	DKMS	0
Red Hat Enterprise Linux 5.0	System Utilities	RHEL 5.9 32 bit UPDATE	0
Red Hat Enterprise Linux 5.0 64-bit	System Utilities	RHEL 5.9 64 bit UPDATE	0
Red Hat Enterprise Linux 6.3 64-bit	System Utilities	RHEL 6.4 64 bit UPDATE	0
Red Hat Enterprise Linux 6.5 64-bit	System Utilities	RHEL 6.5 64 bit UPDATE	0
SUSE 11 64-bit SUSE 10 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2008 Windows Server 2008 R2 64-bit Windows Server 2008 64-bit	Video	Video Driver	2.4.1.0

PowerEdge R220

Operating System	Component	Device Name	Vendor Revision
Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2012 64-bit	Chipset	Chipset Driver	9.4.0.1027
Windows Server 2008 R2 64-bit	Enterprise Solutions	USB 3.0 Driver	2.5.3.34

Operating System	Component	Device Name	Vendor Revision
Red Hat Enterprise Linux 5.0 64-bit SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit Red Hat Enterprise Linux 6.5 64-bit Red Hat Enterprise Linux 5.0	Fibre Channel	EMULEX: Family Fibre Channel Drivers	08.01.16
Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Windows Server 2012 64-bit	Fibre Channel	EMULEX: Family Fibre Channel Drivers	8.1.16
Windows Server 2008 R2 64-bit Windows Small Business Server 2011 64-bit	MASS Storage	Custom Files	0.1
Red Hat Enterprise Linux 5.0 64-bit SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit Red Hat Enterprise Linux 6.5 64-bit Red Hat Enterprise Linux 5.0 Windows Server 2012 64-bit Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit	Network	BROADCOM CORPORATION: Family Network Drivers	18.2.2
Windows Server 2012 64-bit Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit Red Hat Enterprise Linux 5.0 64-bit SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit	Network	INTEL: Family Network Drivers	15.0.0

Operating System	Component	Device Name	Vendor Revision
Red Hat Enterprise Linux 5.0			
Windows Server 2012 64-bit Windows Server 2012 R2 64-bit Windows Server 2008 R2 64-bit	Network	QLOGIC: Family Network Drivers	5.0.8
Red Hat Enterprise Linux 5.0 64-bit SUSE 11 64-bit Red Hat Enterprise Linux 6.3 64-bit Red Hat Enterprise Linux 5.0	Network	QLOGIC: Family Network Drivers	6.0.0
Windows Server 2008 R2 64-bit	SAS Non-RAID	6Gbps SAS HBA Internal Tape Adapter	2.0.35.10
Windows Server 2008 R2 64-bit Windows Server 2012 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC H310 Adapter PERC H310 Embedded PERC H310 Mini Blade PERC H310 Mini Monolithic PERC H710 Adapter PERC H710 Mini Blade PERC H710 Mini Monolithic PERC H710P Adapter PERC H710P Mini Blade PERC H710P Mini Monolithic PERC H810 Adapter Shared PERC8	6.802.19.0
Windows Server 2008 R2 64-bit Windows Server 2012 64-bit Windows Server 2012 R2 64-bit	SAS RAID	PERC S110 Integrated	3.2.0-0008

Operating System	Component	Device Name	Vendor Revision
SUSE 10 64-bit SUSE 11 64-bit	System Utilities	DKMS	0
Red Hat Enterprise Linux 5.0	System Utilities	RHEL 5.9 32 bit UPDATE	0
Red Hat Enterprise Linux 5.0 64-bit	System Utilities	RHEL 5.9 64 bit UPDATE	0
Red Hat Enterprise Linux 6.3 64-bit	System Utilities	RHEL 6.4 64 bit UPDATE	0
Red Hat Enterprise Linux 6.5 64-bit	System Utilities	RHEL 6.5 64 bit UPDATE	0
SUSE 11 64-bit SUSE 10 64-bit	System Utilities	SLES UPDATE	0
Windows Server 2008 R2 64-bit	Video	Video Driver	2.4.1.0