

Dell Storage PowerTools Server Hardware Manager Version 3.2.2.29

Support Matrix

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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Introduction

This Support Matrix contains the latest compatibility and interoperability information for PowerTools Server Hardware Manager (SHM) and the supported Dell enclosures.

The information in this document supersedes all other documentation.

For more information about a supported Dell enclosure, see the storage enclosure documentation on [Dell support](#).

Supported software and firmware

This chapter describes the supported storage enclosure configurations, including operating systems, enclosure firmware, and SAS host bus adapters (HBAs).

Supported storage enclosure firmware

All the Dell PowerVault storage enclosures have two Enclosure Management Modules (EMMs). The two EMMs must have the same firmware version.

 **NOTE:** The EMMs do not automatically synchronize firmware, and must be updated individually.

Table 1. Storage enclosure firmware

Enclosure model	Minimum supported firmware version
Dell Storage MD1400/MD1420	1.02
Dell Storage ME484 as JBOD	5.2.0.26
Dell PowerVault MD2412/MD2424/MD2460	6.4.2

Supported operating systems

The following list shows the supported operating systems:

- Windows Server 2022
- Windows Server 2019
- Red Hat Enterprise Linux 9.5
- Red Hat Enterprise Linux 9.1
- Red Hat Enterprise Linux 8.6
- SUSE Linux Enterprise Server 15 SP5

Supported SAS host bus adapters

The following adapters are supported with the Dell storage MD1400/MD1420 enclosures:

- HBA355e
- 12 Gbps SAS HBA
- PERC H730/H830

The following adapters are supported with the Dell storage ME484 enclosures:

- HBA355e
- 12 Gbps SAS HBA

The following adapters have been tested for use with Dell PowerVault MD24 Series storage enclosures:

- HBA355e (14G, 15G, and 16G PowerEdge servers)
- HBA465e (16G PowerEdge servers)
- PERC H840 (14G, and 15G PowerEdge servers)
- PERC H965e (16G PowerEdge servers)

You can download the supported drivers and firmware for the adapters and controllers from [Dell support](#). To determine if a Dell PowerEdge server supports an adapter, see the technical information for that server.