

HP MPIO Full Featured DSM for P6x00 family of Disk Arrays 4.02.00 Release Notes



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Description

This document summarizes the recent product information about HP MPIO Full Featured Device Specific Module (DSM) for P6x00 family of Disk Arrays (called the “HP MPIO EVA DSM” throughout this guide), which includes:

- [Intended audience](#)
- [Accessing future product updates](#)
- [Other documentation](#)

Intended audience

This document is intended for customers who use the HP MPIO EVA DSM software.

Accessing future product updates

HP recommends that customers sign up online using the Subscriber's choice website:

<http://www.hp.com/go/e-updates>.

- Subscribing to this service provides you with e-mail updates on product enhancements, newer versions of drivers, and firmware documentation updates, as well as instant access to other product resources.
- After signing up, you can quickly locate your products by selecting **Business support** and then **Storage** under Product Category.

Other documentation

The HP MPIO EVA DSM kit also includes the *HP MPIO Full Featured DSM for P6x00 family of Disk Arrays 4.02.00 installation and reference guide*.

You can also find this document from the Manuals page of the HP Business Support Center website:

<http://www.hp.com/support/manuals>

In the Storage section, click **Storage Software** and then select **Other Multi-Path Software-Windows** under **Storage Infrastructure Software** list.

Operating system requirements

Following are the operating system requirements for HP MPIO EVA DSM:

- Windows Server 2008 with Service Pack 2 (x86, IA64 and x64)
- Windows Server 2008 Server Core with Service Pack 2 (x86 and x64)
- Windows Server 2008 R2 (IA64 and x64)
- Windows Server 2008 Server Core R2 (x64)
- Windows Server 2003 with Service Pack 2 (x86, IA64 and x64)
- Windows Server 2003 R2 with Service Pack 2 (x86 and x64)

Supported storage systems

1. The HP MPIO EVA DSM supports the following disk arrays:
 - EVA4000
 - EVA4100
 - EVA4400
 - EVA6000
 - EVA6100
 - EVA6400
 - EVA8000
 - EVA8100
 - EVA8400
 - P6300
 - P6500
2. The HP MPIO EVA DSM supports MPX200 iSCSI Router

Enhancements

Added support for P6300 and P6500 family of disk arrays.

Fixes

Resolved the following:

- A possible I/O error on Windows Server 2003 PR cluster during continuous path failure and recovery scenario.
- An issue in HPDSM CLI wherein the CLI would exit on pressing enter while waiting for event notifications.

Recommended Microsoft Hotfixes

MPIO and iSCSI hotfixes on Windows Server 2008

On Windows Server 2008, install the latest MPIO and iSCSI hotfixes: KB961891 and KB961570. For more information, see the following Microsoft website:

<http://support.microsoft.com/kb/961891>

<http://support.microsoft.com/kb/961570>

Prerequisite drivers

HP StorageWorks RAID storage systems are generally installed with a Solution Software kit, such as the Fibre Channel Installation kit. These kits install or update certain drivers necessary for using HP StorageWorks products with Windows. For more information on Host Bus Adapter (HBA) drivers, see

<http://welcome.hp.com/country/us/en/support.html>.

Configuration limits

Table 1 lists the configuration limits for HP MPIO EVA DSM.

Table 1 Configuration limits

Features	HP MPIO Full-Featured DSM for P6x00 family of Disk Arrays
Maximum number of paths per disk for EVA	32
Failback	Autofailback
Load balancing	Yes
User Interface	Yes
Coexistence with Secure Path on same server	Yes
Coexistence with HP MPIO Full Featured DSM for P9000 family of Disk Arrays on same server	Yes
Coexistence with HP MPIO Full Featured DSM for EVA3000/5000 VCS 4.xxx Disk Arrays on same server	Yes
Coexistence with HP MPIO Full Featured DSM for MSA1000/1500 (Active-Active) Disk Arrays on same server	Yes
Coexistence with HP MPIO basic failover for EVA arrays on same server	Yes
Coexistence with HP MPIO basic failover for XP arrays on same server	No
Coexistence with MS-DSM on the same server	Yes

Installation kit components

Table 2 lists the components that are supplied in this release of HP MPIO EVA DSM:

Table 2 Installation kit components

File	x86	ia64	x64
hpeaadsm.sys	4.2.3.140	4.2.4.140	4.2.5.140
mpio.sys	1.23.3790.2451	1.23.3790.2451	1.23.3790.2451
mpdev.sys	1.23.3790.2451	1.23.3790.2451	1.23.3790.2451
mpspfltr.sys	1.23.3790.2451	1.23.3790.2451	1.23.3790.2451
hpperfprov.dll	1.0.3.7	1.0.5.7	1.0.4.7
hpdsm.exe	4.1.2.110	4.1.4.110	4.1.5.110

File	x86	ia64	x64
hpprutil.exe	1.0.2.1	1.0.4.1	1.0.5.1

**NOTE:**

- For Windows Server 2008 and Windows Server 2008 R2, Multipath I/O is provided as an inbox feature and the version numbers for mpio.sys, mpdev.sys and mpspltr are not applicable for the same.
 - Check with Microsoft for Multipath I/O feature updates on Windows Server 2008 and Windows Server 2008 R2.
 - MS iSCSI software initiator v2.08 or above is required for iSCSI connectivity.
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Known issues and limitations

- Path performance statistics may not be displayed correctly for systems running on Windows Server 2008 and later
- Selective presentation of devices on specific paths is not supported. The devices must either be presented over all the paths, or the devices should not have any common paths
- All the Host Bus Adapters on a host must be of the same type

Effective date

May 2011