

HP MPIO Full Featured DSM for SAN Virtualization Services Platform 4.01.00 release notes



Legal and notice information

© Copyright 2006, 2010 Hewlett-Packard Development Company, L.P.

Version: 4.01.00

Description

This document summarizes the recent product information about HP MPIO Full Featured Device Specific Module (DSM) for SAN Virtualization Services Platform (called the "HP MPIO SVSP DSM" throughout this guide).

Update recommendation: Recommended

Supersedes: 3.01.00

Intended audience

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

Accessing future product updates

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

<http://www.hp.com/go/subscribe-gate1/>

- 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 SVSP DSM kit also includes the *HP MPIO Full Featured DSM for SAN Virtualization Services Platform 4.01.00 installation and reference guide*.

You can find these documents 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 SVSP DSM:

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

Enhancements

HP MPIO SVSP DSM version 4.01.00 provides the following enhancement:

- Added support for Microsoft Windows Server 2008 R2

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 SVSP DSM.

Table 1 Configuration limits

Feature	HP MPIO SVSP DSM configuration
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 XP 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 Full Featured DSM for EVA4000/6000/8000, EVA4100/6100/8100, and EVA4400/6400/8400 family of 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	Yes
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 SVSP DSM:

Table 2 Installation kit components

File	x86	ia64	x64
hpevsdsm.sys	4.1.3.170	4.1.4.170	4.1.5.170
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	4.1.2.100	4.1.4.100	4.1.5.100
hprprutil.exe	1.0.2.1	1.0.4.1	1.0.5.1



NOTE:

- Multipath I/O is provided as an inbox feature on Microsoft Windows Server 2008 and Microsoft Windows Server 2008 R2 and the version numbers mentioned above for `mpio.sys`, `mpdev.sys`, and `mpspfltr.sys` are not applicable for the same.
- Check with Microsoft for Multipath I/O feature updates on Microsoft Windows Server 2008 and Microsoft Windows Server 2008 R2.
- On Microsoft Windows Server 2003, the minimum MPIO framework version supported on this DSM is 1.20.

Known issues and limitations

Following are the known issues and limitations of HP MPIO SVSP DSM:

- Selective presentation of devices on specific host paths is not supported. The devices should be presented on all paths to the host.
- On any one host, all the Host Bus Adapters (HBA) must be of the same type.
- Path performance statistics may not be displayed correctly for systems running Windows Server 2008 and later.
- Cluster shared volume is not supported on Windows Server 2008 R2.