

Data ONTAP® DSM 3.0 for Windows® MPIO Release Notes

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Part number 215-02075_A0
October 2006

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About this release

Overview

The Data ONTAP® DSM 3.0 for Windows® MPIO enables you to manage multiple Fibre Channel protocol (FCP) paths between a Network Appliance™ or IBM N series storage system and a Windows host computer. You can have one active path and multiple passive paths. If the active path fails, the DSM automatically switches to a passive path, maintaining the host's access to its storage.

iSCSI paths are not supported in this release of the DSM.

New product

The Data ONTAP® DSM 3.0 for Windows MPIO is the first release of this product. It replaces the MPIO component of SnapDrive® for Windows software.

What is included

The DSM includes the following components and documentation:

- ◆ An installation program that installs the DSM and any required Windows MPIO components. The program also sets Windows registry values and host bus adapter (HBA) parameters.
- ◆ Installation and Administration Guide - This document provides instructions for installing the DSM on a Windows host and managing it using the graphical user interface or command line interface.
- ◆ Release Notes - Lists known problems and limitations, and any last minute documentation changes in this release of the DSM.

Features

The Data ONTAP DSM 3.0 for Windows MPIO offers the following features:

- ◆ An easy-to-use graphical user interface (GUI) that is integrated into the Microsoft Management Console (MMC).
- ◆ A command line interface (dsmcli) that supports all DSM functions and enables scripting for automation.
- ◆ Support for the FCP Windows Host Utilities 3.0 for Native OS.
- ◆ Failover (manual) and automatic load balancing across multiple physical paths.
- ◆ Support for 32-bit and 64-bit (x64, AMD64, Itanium) Windows hosts.

SnapDrive versions The Data ONTAP DSM 3.0 for Windows MPIO is designed to work with SnapDrive for Windows. The DSM works with SnapDrive 4.2 for Windows and later.

Do not use the Data ONTAP DSM 3.0 with SnapDrive 4.1 or earlier. Instead, use the MPIO support in SnapDrive 4.1 or earlier.

About licenses A valid license key is required to install and use the DSM.

If you already have an MPIO license key for SnapDrive 4.1 for Windows or earlier, you can use that key for the Data ONTAP DSM when you upgrade your system to the Data ONTAP DSM and SnapDrive 4.2 for Windows or later.

For more information on obtaining a license key, see the Data ONTAP DSM for Windows MPIO *Installation and Administration Guide*.

System requirements Check the FCP Host Compatibility Matrix at http://now.netapp.com/NOW/knowledge/docs/san/fcp_iscsi_config/index.shtml for the latest system requirements and compatibility information, including:

- ◆ Hardware platforms
- ◆ OS version and hotfix requirements
- ◆ HBA models and drivers
- ◆ Supported versions of Data ONTAP software
- ◆ Supported versions of FCP Windows Host Utilities and SnapDrive for Windows software
- ◆ Supported configurations

Known problems and limitations

MSCS not supported with Windows 2000

Problem: The Data ONTAP DSM 3.0 for Windows MPIO does not support clustered Microsoft Windows 2000 Server hosts (MSCS).

What to do: If you need MSCS support, either upgrade your Windows hosts to Windows Server 2003 or use the MPIO support in SnapDrive 4.1 for Windows and the Windows Attach Kit 3.0.

Windows 2000 Server reports an unsigned driver when installing the DSM

Problem: When installing the DSM on a Windows 2000 Server system, you get a Digital Signature Not Found dialog box warning for the Data ONTAP Multi-Path Device Specific Module. This warning may not be displayed, depending on your security settings.

This message does not indicate that a security problem actually exists with the driver. Microsoft no longer signs drivers that run only on Windows 2000. Because the Windows 2003 versions of the DSM take advantage of new features that are not available in Windows 2000, there must be a separate Windows 2000 driver. There is no way to get this driver signed.

What to do: Click Yes to continue the installation.

You can instead upgrade to Windows Server 2003. The drivers for Windows 2003 are signed by Microsoft.

If your security policy for unsigned drivers is set to Do not allow installation, you must change the security policy before you can install the DSM.

To change the security policy for unsigned drivers, select Start > Programs > Administrative Tools > Local Security Policy. Expand Local Policies > Security Options. Select Unsigned driver installation behavior, and change the setting to Warn but allow installation.

Do not install iSCSI initiator 2.02

Problem: Do not install the Microsoft iSCSI software initiator version 2.02 on a Windows system running the Data ONTAP DSM 3.0 for Windows MPIO. The iSCSI initiator installer overwrites the MPIO components used by the Data ONTAP DSM with an earlier, incompatible version. This will cause the system to crash and prevent Windows from booting. For more information, see bug 217388 at Bugs Online: <http://now.netapp.com/NOW/cgi-bin/bol/>.

iSCSI paths are not supported in this version of the DSM.

What to do: This problem will be corrected in a future version of the iSCSI initiator. Check the iSCSI Host Support Matrix at http://now.netapp.com/NOW/knowledge/docs/san/fcp_iscsi_config/index.shtml for updates.

Installing SnapDrive 4.1 for Windows after installing the DSM

Problem: The MPIO components installed by the Data ONTAP DSM 3.0 for Windows MPIO are not compatible with SnapDrive 4.1 and earlier. These MPIO components are not normally removed when you uninstall the DSM.

What to do: If you want to install SnapDrive 4.1 or earlier, you must force the removal of all MPIO components installed by the DSM. See “Uninstalling the Data ONTAP DSM” in the Data ONTAP DSM for Windows MPIO *Installation and Administration Guide* for complete instructions.

For information about additional problems

Occasionally, additional problems are reported with the DSM or known bugs are fixed. The problems are listed in an online system called Bugs Online.

For a list of known and fixed bugs, access Bugs Online by completing the following steps.

Step	Action
1	Use a Web browser to go to http://now.netapp.com .
2	Click Service & Support.
3	Click Bugs Online & Release Tools.
4	In the Bug Search Tools section, choose ONTAP DSM from the Bug Type(s) menu.
5	Click Go. Result: The Bugs Online - Advanced Search Results lists all bugs for the Data ONTAP DSM for Windows MPIO.

Where to find additional information

Where to go for more information

The following table describes documents with the most current information about host and storage system requirements and additional documentation.

If you want...	Go to...
The most current system requirements for the DSM	<i>FCP Host Compatibility Matrix</i> at http://now.netapp.com/NOW/knowledge/docs/san/fcp_iscsi_config/index.shtml
The supported storage system models for Data ONTAP licensed with FCP	◆ <i>FCP Configuration Guide</i> at http://now.netapp.com/NOW/knowledge/docs/san/fcp_iscsi_config/ ◆ <i>System Configuration Guide</i> for Data ONTAP at http://now.netapp.com
Information about how to configure and manage the FCP service on the storage system	The following documents for your Data ONTAP release: ◆ <i>Data ONTAP Block Access Management Guide</i> ◆ <i>Data ONTAP Release Notes</i>