

Product Bulletin



iSCSI Windows Host Utilities 4.x for Native OS and Veritas

Revision History	Summary of Changes
02 August 2007	Initial Release of Host Utilities 4.0
10 February 2008	Host Utilities 4.1 release with support for Windows® Server 2008 (native Windows I/O stack) and continued support of Veritas™ Storage Foundation 5.0 (Windows Server 2003).

This product bulletin overviews the iSCSI Windows Host Utilities for use with Windows Server configurations and either the Windows native iSCSI and I/O stack or Veritas Storage Foundation.

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1. Summary

This product bulletin overviews the iSCSI Windows Host Utilities 4.1 for Native OS and Veritas, with support for Windows Server 2008 with the Windows native iSCSI and I/O stack, and continued support of the Windows native iSCSI and I/O stack or Veritas Storage Foundation 5.0 for Windows with Windows Server 2003.

The iSCSI Windows Host Utilities 4.x are available via NOW™ (NetApp on the Web). The iSCSI Windows Host Utilities are a host-software-based product that delivers tools and documentation to support the integration of NetApp iSCSI storage systems with Windows host environments using either the Windows native iSCSI and I/O stack or Veritas Storage Foundation. The iSCSI Windows Host Utilities are required to ensure proper configuration and support of NetApp iSCSI storage systems, and consist of:

- Diagnostic scripts for collecting and reporting host and NetApp storage configuration information
- Documentation describing how to configure an iSCSI connection based on a Windows host to a NetApp storage system, including commands and procedures
- **Note:** The iSCSI Windows Host Utilities do not include an iSCSI HBA or HBA drivers, which are available from the HBA vendor(s) or their authorized resellers.

2. What's New

- A. Support for Windows Server 2008, including Full and Server Core installations.
- B. Support for Windows Server 2008 native iSCSI and I/O stack, including Windows Failover Clustering, and Microsoft® Multipath

I/O via the iSCSI Device Specific Module provided by Microsoft for failover in configurations with redundant physical paths between the server and NetApp storage systems. For more information about Windows MPIO, see <http://download.microsoft.com/download/3/0/4/304083f1-11e7-44d9-92b9-2f3cdbf01048/mpio.doc>.

- C. The iSCSI Windows Host Utilities 4.1 may also be deployed in Windows native iSCSI and I/O stack configurations using the NetApp Data ONTAP® DSM 3.2 for Windows MPIO. The Data ONTAP DSM 3.2 will co-exist with the Microsoft iSCSI DS, as well as claim iSCSI LUNs..
- D. Itanium (IA-64) server architecture support with Veritas Storage Foundation 5.0.

3. System Requirements

A. Configuration Support Overview

- 1) For the most recent NetApp iSCSI storage system configurations qualified and supported by NetApp with Windows Server, please refer to the NetApp Interoperability Matrix at <http://now.netapp.com/NOW/products/interoperability>.
- 2) iSCSI Windows Host Utilities 4.1 support the Windows native iSCSI and I/O stack with Windows Server 2008 and Windows Server 2003 using Microsoft iSCSI software initiator 2.05 or 2.06, with x86, x64 (AMD64, Xeon EM64T) and Itanium (IA-64) server architectures, and with basic disks.
- 3) iSCSI Windows Host Utilities 4.1 support Veritas Storage Foundation 5.0 with Windows Server 2003 using Microsoft iSCSI software initiator 2.04, with x86, x64 (AMD64, Xeon EM64T) and Itanium (IA-64) server architectures, and with basic and dynamic disks.
- 4) iSCSI Windows Host Utilities 4.0 support the Windows native iSCSI and I/O stack with Windows Server 2003 using Microsoft iSCSI software initiator 2.05 or 2.06, with x86, x64 (AMD64, Xeon EM64T) and Itanium (IA-64) server architectures, and with basic disks.
- 5) iSCSI Windows Host Utilities 4.0 support Veritas Storage Foundation 5.0 with Windows Server 2003 using Microsoft iSCSI software initiator 2.04, with x86 and x64 (AMD64, Xeon EM64T) server architectures, and with basic and dynamic disks.
- 6) SnapDrive® for Windows is supported with iSCSI Windows Host Utilities 4.1 and 4.0 with Windows Server 2003 configurations using the Windows native iSCSI and I/O stack. Support of SnapDrive for Windows with Windows Server 2008 is expected in a future SnapDrive release, and NetApp is currently offering an early access program for SnapDrive support with Windows Server 2008.

4. Product Information

A. Availability

- 1) The NetApp iSCSI Windows Host Utilities are available for download free of charge from the [NOW](#) (NetApp on the Web) site.
- 2) NetApp continues to offer the Data ONTAP iSCSI license free of charge to qualifying customers via the iSCSI Enablement Program. Details about the iSCSI license enablement program are available at <http://now.netapp.com/NOW/products/iSCSI>.
- 3) The Microsoft Windows Server software iSCSI initiator is distributed by Microsoft with the Windows Server distribution. The Microsoft iSCSI software initiator and documentation are available free of charge for download from www.microsoft.com. The Microsoft iSCSI DSM is included in this initiator bundle.

B. Quoting

- 1) There is no NetApp license, part number, or price for the iSCSI Windows Host Utilities. The NetApp iSCSI Windows Host Utilities are available for download free of charge from the [NOW](#) (NetApp on the Web) site.

C. Upgrades

- 1) Before upgrading to the iSCSI Windows Host Utilities 4.1, users must remove the previous iSCSI Host Utilities 4.0 or earlier iSCSI Host Utilities or Support Kits.

D. Microsoft Certifications

- 1) For NetApp iSCSI storage system configurations certified with Microsoft for Windows Server, please refer to the Microsoft Hardware Catalog at www.windowsservercatalog.com/results.aspx?&bCatID=1283&cplD=1471&avc=11&ava=0&avq=0&OR=1&PGS=25&ready=0.

5. Regulatory Compliance

Products need to be validated against the NetApp Regulatory Compliance Country List prior to distribution. This is required to ensure that products are being distributed only in the countries in which NetApp has received regulatory compliance certification.

6. Warranty and Service

The iSCSI Host Utilities are provided free of charge and on an as-is basis. A software subscription plan is not provided for the iSCSI Host Utilities. Users may download and install new versions of the iSCSI Host Utilities and use in configurations qualified by NetApp.

7. Additional Information

For NetApp iSCSI storage system configurations qualified and supported by NetApp with Windows Server configurations, refer to the NetApp Interoperability Matrix at <http://now.netapp.com/NOW/products/interoperability>.

For NetApp iSCSI storage system configurations certified with Microsoft for Windows Server, refer to the Microsoft Windows Server Hardware Catalog at www.windowsservercatalog.com/results.aspx?&bCatID=1283&cplD=1471&avc=11&ava=0&avq=0&OR=1&PGS=25&ready=0.

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