



Release Notes for Cisco SN iSCSI Driver for Microsoft Windows 2000 Version 1.8.8

July 23, 2001



Note

You can find the most current documentation on Cisco.com. This set of electronic documents may contain updates and modifications made after the hard-copy documents were printed.

These release notes support Cisco Storage Networking iSCSI Driver for Microsoft Windows 2000 version 1.8.8.

For a list of software caveats that apply to version 1.8.8, see the “[Open Caveats](#)” section. The caveats are updated for every maintenance version and are located on Cisco.com and the Documentation CD-ROM.

Contents

These Release Notes describe the following topics:

- [Introduction, page 2](#)
- [System Requirements, page 2](#)
- [Open Caveats, page 5](#)
- [Related Documentation, page 6](#)
- [Service and Support, page 6](#)
- [Obtaining Documentation, page 7](#)
- [Obtaining Technical Assistance, page 8](#)



Corporate Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

Copyright © 2001. Cisco Systems, Inc. All rights reserved.

Introduction

The Cisco Storage Networking iSCSI Driver for Microsoft Windows 2000 provides a server with the ability to access storage through an IP network. The iSCSI driver uses iSCSI protocol to transport SCSI requests and responses over an IP network between the server and a Cisco SN 5420 Storage Router.

Architecturally, the iSCSI driver combines with the server TCP/IP stack, network drivers, and NICs to provide the same functions as a SCSI adapter driver with a host bus adapter (HBA).

The iSCSI driver provides a transport for SCSI requests and responses for storage devices; however, instead of providing a transport for directly attached devices, the driver transports the SCSI requests and responses between the server and a Cisco SN 5420 Storage Router via an IP network. The SN 5420 Storage Router, in turn, transports SCSI requests and responses between it and the storage devices attached to it.

Once the iSCSI driver is installed, the server will proceed with a discovery process for iSCSI storage devices as follows:

-
- Step 1** The iSCSI driver requests available iSCSI targets from the storage router.
 - Step 2** The storage router sends available iSCSI target names to the server.
 - Step 3** The server logs into the iSCSI targets.
 - Step 4** The storage router accepts the server login and sends target identifiers.
 - Step 5** The server queries targets for device information.
 - Step 6** Targets respond with device information.
 - Step 7** The server creates table of internal devices.
-

The Cisco Storage Networking iSCSI Driver for Microsoft Windows 2000 provides IP access to a maximum of eight remote SCSI targets, with each target capable of supporting eight LUNs. Remote SCSI targets can be accessed through one or more storage routers up to a maximum of eight storage routers.

**Note**

The iSCSI protocol is an IETF-defined protocol for IP storage (ips). For more information about the iSCSI protocol, refer to the IETF standards for IP storage at <http://www.ietf.org>.

System Requirements

This section describes the system requirements for version 1.8.8 and includes the following information:

- [Operating System Requirements, page 3](#)
- [Obtaining the iSCSI Driver, page 3](#)
- [Determining the iSCSI Driver Version, page 4](#)
- [Uninstalling iSCSI Driver Software, page 5](#)

Operating System Requirements

The Cisco Storage Networking iSCSI Driver for Microsoft Windows 2000 requires Microsoft Windows 2000 Professional or Server with service pack 2 or higher. If service pack 2 is installed, Microsoft hotfix Q302895 is required. This fix does not appear on the Microsoft hotfix web site; you must specifically request it. This fix will eventually be bundled into Microsoft Windows 2000 service pack 3.


Note

If you are running Microsoft Windows 2000 Professional or Server with service pack 1, you must upgrade to service pack 2 and apply the Microsoft hotfix Q302895.

To obtain hotfix Q302895, call Microsoft customer support at 1-800-936-4900 (or any Microsoft customer support phone number) and request the hotfix for Knowledge Base (KB) article Q302895. You will be asked to supply an e-mail address. You will receive an e-mail message with a link to an FTP site where you can download the hotfix. The e-mail message will also contain a password that you will be prompted to enter when you open the hotfix file.

For additional information about the hotfix, access the Microsoft website at <http://www.microsoft.com> and follow the support link to view KB article Q302895.


Note

This driver will not work with computers running Microsoft Windows NT.

Obtaining the iSCSI Driver

The Cisco Storage Networking iSCSI drivers, accompanying readme files, release notes and example configuration files are available for download to the general public and registered users of Cisco.com. Access the appropriate URL, as follows:

Access Type	URL
General public	http://www.cisco.com/cgi-bin/tablebuild.pl/sn5420
Registered Cisco.com users	http://www.cisco.com/cgi-bin/tablebuild.pl/sn5420 (You will be prompted to enter your user name and password.)

In addition, you can check these websites for information about the availability of new drivers, updated drivers, driver compatibility, and other relevant information.


Note

URLs are subject to change without notice. If the URL changes, go to <http://www.cisco.com> and click **Software Center** at **Service & Support**. At Software Center, click **Storage Networking Software**. Then, at Storage Networking Software, click **Cisco SN 5420 Storage Router Software**. If you are a registered Cisco.com user, be sure to log in first.

Determining the iSCSI Driver Version

To determine the version of the iSCSI driver software installed on your server, open Control Panel and double-click the iSCSI Config icon. The lower left corner of the dialog box shows the version number of the iSCSI Config program and the title bar shows the operating system it is intended for. Click **Status** to show the version information of the iSCSI driver on the top line.

You can also verify version information by checking the file versions of these files:

- iscsi.sys
- iscsicfg.cpl

Follow these steps:

-
- Step 1** Use Windows Explorer to navigate to the c:\winnt\system32\drivers directory.
- Step 2** Right-click the file iscsi.sys and then click **Properties** from the shortcut menu. The **Properties** dialog box displays.
- Step 3** Click the **Version** tab, and check the **File version**.
- Step 4** Navigate to the c:\winnt\system32\ directory.
- Step 5** Right-click the file iscsicfg.cpl and then click **Properties** from the shortcut menu. The **Properties** dialog box displays.
- Step 6** Click the **Version** tab, and check the **File version**. The file version information should be the same in both files.
-

Uninstalling iSCSI Driver Software

Follow these steps to uninstall iSCSI driver software:

-
- Step 1** Run the setup.exe executable for the currently installed iSCSI driver to start the installation program.
- Step 2** Follow the on-screen instructions to remove the iSCSI driver software.
-

Open Caveats

The iSCSI driver for Microsoft Windows 2000 version 1.8.8 has no open severity 1 or 2 caveats.

For a more complete list of caveats against this release, access Cisco.com as described in the section “[Cisco.com](#)” at the end of this document.

Related Documentation

The following sections describe the related documentation available for the Cisco Storage Networking iSCSI Driver for Windows 2000 version 1.8.8 and the Cisco SN 5420 Storage Router. These documents consist of the iSCSI driver release notes, readme and example configuration files, and the storage router hardware installation and software configuration guides.

The storage router hardware installation and software configuration documentation sets are available as printed manuals or electronic documents. The iSCSI driver readme file and example configuration file are available in electronic format, as part of the software download package. See the [“Obtaining the iSCSI Driver” section on page 3](#) for details.

Release-Specific Documents

This Release Notes document is the only document specific to Cisco Storage Networking iSCSI Driver for Microsoft Windows 2000 version 1.8.8. It is located on Cisco.com and the Documentation CD-ROM.

Each release of storage router software includes an associated Release Notes document, which is also available as an electronic document on Cisco.com and the Documentation CD-ROM.

Hardware Documents

Refer to the *Cisco SN 5420 Storage Router Hardware Installation Guide* for storage router hardware installation procedures. This document is available as a printed manual. It is also available as an electronic document on the Documentation CD-ROM and Cisco.com.

Software Documents

Refer to the *Cisco SN 5420 Storage Router Software Configuration Guide* for storage router software configuration information and procedures. This document is available as a printed manual. It is also available as an electronic document on the Documentation CD-ROM and Cisco.com.

For documentation on the storage router web-based GUI, refer to the SN 5420 Storage Router web-based GUI online Help system.

Service and Support

For service and support for a product purchased from a reseller, contact the reseller, who offers a wide variety of Cisco service and support programs described in “Service and Support” of Cisco Information Packet shipped with your product.

**Note**

If you purchased your product from a reseller, you can access Cisco.com as a guest. Cisco.com is Cisco Systems’ primary real-time support channel. Your reseller offers programs that include direct access to Cisco.com services.

For service and support for a product purchased directly from Cisco, use Cisco.com.

Obtaining Documentation

The following sections provide sources for obtaining documentation from Cisco Systems.

World Wide Web

You can access the most current Cisco documentation on the World Wide Web at the following sites:

- <http://www.cisco.com>
- <http://www-china.cisco.com>
- <http://www-europe.cisco.com>

Documentation CD-ROM

Cisco documentation and additional literature are available in a CD-ROM package, which ships with your product. The Documentation CD-ROM is updated monthly and may be more current than printed documentation. The CD-ROM package is available as a single unit or as an annual subscription.

Ordering Documentation

Cisco documentation is available in the following ways:

- Registered Cisco Direct Customers can order Cisco Product documentation from the Networking Products MarketPlace:
http://www.cisco.com/cgi-bin/order/order_root.pl
- Registered Cisco.com users can order the Documentation CD-ROM through the online Subscription Store:
<http://www.cisco.com/go/subscription>
- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco corporate headquarters (California, USA) at 408 526-7208 or, in North America, by calling 800 553-NETS(6387).

Documentation Feedback

If you are reading Cisco product documentation on the World Wide Web, you can submit technical comments electronically. Click **Feedback** in the toolbar and select **Documentation**. After you complete the form, click **Submit** to send it to Cisco.

You can e-mail your comments to bug-doc@cisco.com.

To submit your comments by mail, use the response card behind the front cover of your document, or write to the following address:

Attn Document Resource Connection
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-9883

We appreciate your comments.

Obtaining Technical Assistance

Cisco provides Cisco.com as a starting point for all technical assistance. Customers and partners can obtain documentation, troubleshooting tips, and sample configurations from online tools. For Cisco.com registered users, additional troubleshooting tools are available from the TAC website.

Cisco.com

Cisco.com is the foundation of a suite of interactive, networked services that provides immediate, open access to Cisco information and resources at anytime, from anywhere in the world. This highly integrated Internet application is a powerful, easy-to-use tool for doing business with Cisco.

Cisco.com provides a broad range of features and services to help customers and partners streamline business processes and improve productivity. Through Cisco.com, you can find information about Cisco and our networking solutions, services, and programs. In addition, you can resolve technical issues with online technical support, download and test software packages, and order Cisco learning materials and merchandise. Valuable online skill assessment, training, and certification programs are also available.

Customers and partners can self-register on Cisco.com to obtain additional personalized information and services. Registered users can order products, check on the status of an order, access technical support, and view benefits specific to their relationships with Cisco.

To access Cisco.com, go to the following website:

<http://www.cisco.com>

Technical Assistance Center

The Cisco TAC website is available to all customers who need technical assistance with a Cisco product or technology that is under warranty or covered by a maintenance contract.

Contacting TAC by Using the Cisco TAC Website

If you have a priority level 3 (P3) or priority level 4 (P4) problem, contact TAC by going to the TAC website:

<http://www.cisco.com/tac>

P3 and P4 level problems are defined as follows:

- P3—Your network performance is degraded. Network functionality is noticeably impaired, but most business operations continue.
- P4—You need information or assistance on Cisco product capabilities, product installation, or basic product configuration.

In each of the above cases, use the Cisco TAC website to quickly find answers to your questions.

To register for Cisco.com, go to the following website:

<http://www.cisco.com/register/>

If you cannot resolve your technical issue by using the TAC online resources, Cisco.com registered users can open a case online by using the TAC Case Open tool at the following website:

<http://www.cisco.com/tac/caseopen>

Contacting TAC by Telephone

If you have a priority level 1 (P1) or priority level 2 (P2) problem, contact TAC by telephone and immediately open a case. To obtain a directory of toll-free numbers for your country, go to the following website:

<http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml>

P1 and P2 level problems are defined as follows:

- P1—Your production network is down, causing a critical impact to business operations if service is not restored quickly. No workaround is available.
- P2—Your production network is severely degraded, affecting significant aspects of your business operations. No workaround is available.

This document is to be used in conjunction with the documents listed in the “[Related Documentation](#)” section.

AccessPath, AtmDirector, Browse with Me, CCIP, CCSI, CD-PAC, *CiscoLink*, the Cisco *Powered* Network logo, Cisco Systems Networking Academy, the Cisco Systems Networking Academy logo, Fast Step, Follow Me Browsing, FormShare, FrameShare, GigaStack, IGX, Internet Quotient, IP/VC, iQ Breakthrough, iQ Expertise, iQ FastTrack, the iQ Logo, iQ Net Readiness Scorecard, MGX, the Networkers logo, *Packet*, RateMUX, ScriptBuilder, ScriptShare, SlideCast, SMARTnet, TransPath, Unity, Voice LAN, Wavelength Router, and WebViewer are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play, and Learn, Discover All That’s Possible, and Empowering the Internet Generation, are service marks of Cisco Systems, Inc.; and Aironet, ASIST, BPX, Catalyst, CCDA, CCDP, CCIE, CCNA, CCNP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, the Cisco IOS logo, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Enterprise/Solver, EtherChannel, EtherSwitch, FastHub, FastSwitch, IOS, IP/TV, LightStream, MICA, Network Registrar, PIX, Post-Routing, Pre-Routing, Registrar, StrataView Plus, Stratm, SwitchProbe, TeleRouter, and VCO are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the U.S. and certain other countries.

All other trademarks mentioned in this document or Web site are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0106R)

Copyright © 2001, Cisco Systems, Inc.
All rights reserved.

