

Cisco SN 5428 and SN 5428–2 Interoperability Matrix

Document ID: 42982

- Introduction**
- Before You Begin**
 - Conventions
 - Prerequisites
 - Components Used
- FC Disk Storage Devices**
- FC Tape Storage Devices**
- FC-to-SCSI Bridges**
- FC Switches and Hubs**
- Network Interface Cards**
- Host Bus Adapters**
- Related Information**

Introduction

The document provides a list of SAN components that have been tested and validated by Cisco and/or qualified by Cisco's Partners for supporting interoperability with the Cisco SN 5428 and SN 5428–2 storage routers. If a particular SAN component or software version is not listed in this matrix, it does not imply that the Cisco SN 5428 Series Storage Routers are incompatible with that particular component. In most cases, any SAN component that complies with the applicable networking and storage protocols and standards (for example, Fibre Channel, SCSI, iSCSI, TCP/IP, and so on), will be interoperable with the Cisco SN 5428 series. If there are any questions regarding a particular component, please contact the Cisco Technical Assistance Center.

This document is divided into the following categories:

- FC Disk Storage Devices
- FC Tape Storage Devices
- FC-to-SCSI Bridges
- FC Switches and Hubs
- Network Interface Cards (NICs)
- Host Bus Adapters (HBAs)

Before You Begin

Conventions

For more information on document conventions, see the Cisco Technical Tips Conventions.

Prerequisites

There are no specific prerequisites for this document.

Components Used

The information contained in this document is only applicable to version 3.x of the SN 5428 or SN 5428–2 software. Older versions of the software may or may not be interoperable with the equipment listed in this matrix. In addition, specific versions of host operating systems and iSCSI drivers were used in the testing of the SAN components listed in the matrix. These versions are listed in each of the component categories listed below.

FC Disk Storage Devices

The host system used in the interoperability test was running the appropriate Cisco iSCSI driver version 3.1.1 or greater, unless otherwise noted. The application used for the testing was a variety of custom and off-the-shelf programs that executed a variety of traffic profiles.

| Manufacturer | Model |
|--------------|--------------------------|
| Baydel | O/ESR-2000 |
| Chaparral | RFF288 RIO |
| | RFF244 RIO |
| EMC | Clariion FC4500 |
| | Clariion FC4700 |
| | Clariion FC5300 |
| | Clariion CX series |
| Ciprico | NETarray |
| | 7000 series |
| Compaq / HP | MA8000 |
| | MSA1000 |
| | RA4100 |
| | Storage Works HSG80 |
| Dell | Power Vault 650E |
| Dot Hill | SANnet 7120 |
| Eurologic | Fibre Channel 1GB/s JBOD |
| Hitachi | Freedom 5800 |
| | Freedom 9200 |
| | Freedom 9900V |
| | Freedom 9900 |
| IBM | ESS 2105 |
| | FAStT500 |
| | FAStT700 |
| | FAStT900 |
| LSI | E2400 RAID |

| | |
|---------|-----------------------------|
| | MetaStor RAID Array 1000 |
| nStor | 3150E Storage Array |
| Raidtec | FibreArray 2000 Series RAID |
| | FibreArray HI and AA Series |
| Seagate | ST318451FC JBOD (18GB) |
| | ST39103FC JBOD (9 GB) |
| Xiotech | Magnitude |

FC Tape Storage Devices

The host system used in the interoperability test was running the appropriate Cisco iSCSI driver version 3.1.1 or greater, unless otherwise noted. The application used for the testing was a variety of custom and off-the-shelf programs that executed a variety of traffic profiles.

| Manufacturer | Library Model | Tape Drive Model | Bridge Model |
|--------------|-------------------------|--|---------------------|
| ADIC | Scalar 100 | AIT, LTO, DLT, or SDLT | SNC 5101 |
| | Scalar 1000 | | SNC 5100 |
| | Scalar 10k | | Pathlight 5000 |
| ATL | M1500 | | FC310, FC420 |
| | M2500 | | FC420 |
| | P4000 | IBM LTO, SDLT220 | FC230 |
| | P7000 | IBM LTO, SDLT220, SDLT320 | FC230 |
| | P3000 | IBM LTO | FC230 |
| | P1000 | | |
| IBM | 3494 | 3590-B1A, 3590-B11 IBM LTO IBM LTO | |
| | 3583 | | |
| | 3584 | | |
| Plasmon | LTO Ultium Tape Library | LTO | |
| Quantum | N/A | DLT 7000 | |
| | N/A | DLT 8000 | |
| | N/A | Super DLT | |
| StorageTek | 9738 | 9840 | N/A |

| | | | |
|--|--|------|-----|
| | | 9940 | N/A |
|--|--|------|-----|

FC-to-SCSI Bridges

The host system used in the interoperability test was running the appropriate Cisco iSCSI driver version 3.1.1 or greater, unless otherwise noted. The application used for the interoperability testing was a variety of custom and off-the-shelf programs that executed a variety of traffic profiles.

| Manufacturer | Model |
|--------------|------------------------|
| ATTO | 1180D |
| | Fibrebridge 2200 |
| | Fibrebridge 2400 |
| Chaparral | FS1310 Router |
| | VFS226 Velocity Router |
| | VFS226 Velocity Router |
| Crossroads | 4450 Storage Router |
| Pathlight | San Router |

FC Switches and Hubs

The host system used in the interoperability test was running the appropriate Cisco iSCSI driver version 3.1.1 or greater, unless otherwise noted. The application used for the testing was a variety of custom and off-the-shelf programs that executed a variety of traffic profiles.

| Manufacturer | Model |
|--------------|---------------|
| Brocade | Silkworm 2250 |
| | Silkworm 2400 |
| | Silkworm 3800 |
| Cisco | MDS 9200 |
| | MDS 9500 |
| McData | Sphereon 3216 |
| | Sphereon 3232 |
| | Sphereon 4500 |
| | Intrepid 6064 |
| | Intrepid 6140 |
| Qlogic | SANbox |
| | SANBox2 |
| Vixel | 2100 Hub |
| | 7200 Switch |

Network Interface Cards

All the host systems tested were running the appropriate Cisco iSCSI driver version 3.1.1 or greater, unless otherwise noted. The application used for the testing was a variety of custom and off-the-shelf programs that executed a variety of traffic profiles. The operating systems were running the recommended patch levels, or better, as described in the iSCSI driver release notes.

| Operating System | NIC Manufacturer | NIC Model |
|-------------------------------------|------------------|--------------------|
| Windows 2000 | 3Com | 3C905 |
| | | 3C985B |
| | | 3C996B |
| | Alacritech | 100x4 Quad-Port |
| | | 1000x1 Accelerator |
| | Compaq | NC6132 |
| | Emulex | GN9000/SI |
| | Intel | PRO/1000 series |
| | | PRO/100 series |
| | Netgear | GA621T |
| Qlogic | QLA 4000 series | |
| Windows XP Pro (driver v3.1.2) | Intel | PRO/1000 series |
| | | PRO/100 series |
| Windows Server 2003 (driver v3.1.2) | Qlogic | QLA2300 series |
| | | QLA2200 series |
| Windows NT | 3Com | 3C905 |
| | | 3C985C |
| | | 3C996 |
| | Alacritech | 1000x1 Accelerator |
| | Intel | PRO/1000 series |
| | | PRO/100 series |
| | Emulex | GN9000/SI |
| | Qlogic | QLA4000 series |
| Solaris 2.6, 7 | Qlogic | QLA4000 series |
| | SysKonnnect | SK_9843 |
| | Sun | X1141A |
| Solaris 8, 9 | Qlogic | QLA4000 series |

| | | |
|---------------|-----|----------|
| | Sun | X1141A |
| HP-UX 11.0 | HP | A4925A |
| | | A4929A |
| IBM AIX 4.3.3 | IBM | 1012580 |
| | | 30002435 |

Host Bus Adapters

The application used for the testing was a variety of custom and off-the-shelf programs that executed a variety of traffic profiles. The operating systems were running the recommended patch levels, or better, as recommended by the HBA manufacturer.

| Operating System | Manufacturer | HBA Model |
|----------------------|--------------------------------|-----------------|
| Windows 2000 | LSI Logic | LSI40919 |
| | | LSI44929 |
| | Qlogic | QLA2300 series |
| | | QLA2200 series |
| Emulex | LP8000 | |
| Windows XP Pro | Qlogic | QLA2300 series |
| | | QLA2200 series |
| Windows Server 2003 | Qlogic | QLA2300 series |
| | | QLA2200 series |
| Windows NT | LSI Logic | LSI40919 |
| | | LSI44929 |
| | Qlogic | QLA2200 series |
| | | QLA2300 series |
| JNI | FCE-6400 series | |
| Linux | LSI Logic | LSI40919 |
| | | LSI44929 |
| | Qlogic | QLA2200 series |
| | | QLA2300 series |
| JNI | JNI FCE-6400 series | |
| Solaris 2.6, 7, 8, 9 | LSI Logic | LSI40919 |
| | | LSI44929 |
| | Qlogic | QLA2200 series |
| | | QLA2300 series |
| | JNI | FCE-1000 series |
| FCE-1000 series | | |

Related Information

- [Cisco SN5428 Product Support Page](#)
 - [Technical Support – Cisco Systems](#)
-

[Contacts & Feedback](#) | [Help](#) | [Site Map](#)

© 2008 – 2009 Cisco Systems, Inc. All rights reserved. [Terms & Conditions](#) | [Privacy Statement](#) | [Cookie Policy](#) | [Trademarks of Cisco Systems, Inc.](#)

Updated: Oct 28, 2005

Document ID: 42982
