



Cisco MDS 9506, 9509, 9513, 9216A, 9216i, 9222i, and 9134 for IBM System Storage™ Directors and Switches

IBM System Storage iSCSI and FCIP Connectivity Solutions

Last update: November 19, 2007

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The [IP Storage Services Module](#) and the [Multiprotocol Services Module](#) with Firmware 3.2(2c) enable single path iSCSI connectivity to IBM fiber channel storage.

Storage Systems/Servers supported for iSCSI connectivity

	Windows 2000	Windows 2003	RedHat Linux AS 2.1, AS 3.0	SuSE SLES 8	SUN 8, 9, 10	HP 11i	AIX 5.2 & 5.3
ESS Native Fibre 2105-800	√	√	√	√	√	√	√
ESS Native Fibre 2105-750	√	√	√	√	√	√	√
ESS Native Fibre 2105-F20	√	√	√				√
FAStT 900, 700, 600, 500	√	√	√	√	√	√	
Enterprise Tape System 3590 E11/E1A and H11/H1A with Native FC Tape Drives	√	√	√				
Enterprise Tape System 3592 E05 FC Tape Drive	√	√	√				
Ultrium 3584 UltraScalable Tape Library with Native FC Ultrium 2 and 3 drive models.	√	√	√				
Ultrium 3583 Scalable Tape Library with Native FC Ultrium 2 and 3 drives.	√	√	√				
Ultrium 3583 Scalable Tape Library with Integrated SDG Module.	√	√	√				
Ultrium 3582 Tape Library with Native FC Ultrium 2 and 3 drives.	√	√	√				
DS 4000 Series	√	√	√				√
DS 6000 Series	√	√	√				√
DS 8000 Series	√	√	√				√

Notes:

- Microsoft iSCSI software initiator version 2.05
<http://www.microsoft.com/downloads/details.aspx?FamilyID=12cb3c1a-15d6-4585-b385-befd1319f825&DisplayLang=en>
- Cisco iSCSI [Driver Version 3.6.3 for Linux, kernel 2.4.](#)
- AIX 5.2 TL 9 driver 5.2.0.75, and AIX 5.3 TL5 or later driver 5.3.0.50; AIX iSCSI support denotes iSCSI software stack and not the iSCSI TOE adapter
- HP-UX driver B.11.11.03e and B.11.23.03c
- Solaris driver 11.10.0
- Notes on **AIX iSCSI SW initiator** can be found at:
<ftp://service.boulder.ibm.com/storage/san/cisco/AIXiSCSIswinitiatorReleaseNotes.pdf>
- **Installation and upgrade information:**
http://www.cisco.com/en/US/products/hw/ps4159/ps4358/prod_installation_guides_list.html
- **Product datasheets:** http://www.cisco.com/en/US/products/hw/ps4159/ps4358/products_data_sheets_list.html
- **Configuration Guides:**
http://www.cisco.com/en/US/products/ps5989/products_installation_and_configuration_guides_list.html

Supported Distance / Extension Methods

Traffic / Application	Extension Method	Supported Distance
regular FICON traffic	FC ISLs with DWDM	300km
regular FICON traffic	CWDM FC ISLs	100km
regular FICON traffic	FCIP ISLs	300km
IBM VTS (host to VTC connection)	FC ISLs with DWDM	250km
IBM VTS (VTC to VTS connection)	FC ISLs with DWDM	250km
IBM Enterprise and LTO Tape	all	300km
IBM XRC FICON	FC ISLs with DWDM	200km
IBM XRC FICON	CWDM FC ISLs	200km
IBM XRC FICON	FCIP ISLs	200km