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Cisco MDS NX-OS Release Compatibility Matrix for Storage Service Interface Images

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This document provides compatibility information between Cisco MDS NX-OS and Cisco MDS SAN-OS software releases, and Storage Service Interface (SSI) releases.



Note

As of NX-OS Release 4.1(1b), SAN-OS has been changed to NX-OS. References to SAN-OS releases before 4.1(1b) still apply.



Note

We recommend that you upgrade to the latest SSI image for your NX-OS release. This document identifies the latest recommended SSI image for NX-OS releases and the applications that are supported. For information on installing and upgrading your SSI image, see the *Cisco MDS 9000 Family Release Notes for Storage Services Interface Images*.



Note

For information on which SSI image is supported with a specific EMC Invista version, see the latest EMC Support Matrix available on EMC PowerLink.

[Table 1](#) lists the supported SSI releases and the applications they support for Cisco NX-OS Release 4.x.



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Table 1 Supported SSI Releases and Applications for Cisco MDS NX-OS Release 4.x

NX-OS Release	Supported SSI Release	Supported Hardware				Supported Applications
		SSM	SSN-16	MSM-18/4	9222i	
4.2(7e)	4.2(7e)	Y	–	Y	Y	Cisco Data Mobility Manager
		Y	–	–	–	Fibre Channel Write Acceleration
	4.2(3m)	Y	–	Y	Y	SANTap
	4.2(3k)	Y	–	Y	Y	SANTap
	4.2(3j)	Y	–	Y	Y	SANTap
4.2(7d)	4.2(7d)	Y	–	Y	Y	Cisco Data Mobility Manager
		Y	–	–	–	Fibre Channel Write Acceleration
	4.2(3m)	Y	–	Y	Y	SANTap
	4.2(3k)	Y	–	Y	Y	SANTap
	4.2(3j)	Y	–	Y	Y	SANTap
4.2(7b)	4.2(7b)	Y	–	Y	Y	Cisco Data Mobility Manager
		Y	–	–	–	Fibre Channel Write Acceleration
	4.2(3m)	Y	–	Y	Y	SANTap
	4.2(3k)	Y	–	Y	Y	SANTap
	4.2(3j)	Y	–	Y	Y	SANTap
4.2(7a)	4.2(7a)	Y	–	Y	Y	Cisco Data Mobility Manager
		Y	–	–	–	Fibre Channel Write Acceleration
	4.2(3m)	Y	–	Y	Y	SANTap
	4.2(3k)	Y	–	Y	Y	SANTap
	4.2(3j)	Y	–	Y	Y	SANTap
4.2(5)	4.2(5)	Y	–	Y	Y	Cisco Data Mobility Manager
		Y	–	–	–	Fibre Channel Write Acceleration
4.2(3a)	4.2(3a)	Y	–	Y	Y	Cisco Data Mobility Manager
		Y	–	–	–	Fibre Channel Write Acceleration
	4.2(3m)	Y	–	Y	Y	SANTap
	4.2(3k)	Y	–	Y	Y	SANTap
	4.2(3j)	Y	–	Y	Y	SANTap
4.2(3)	4.2(3)	Y	–	Y	Y	Cisco Data Mobility Manager
		Y	–	–	–	Fibre Channel Write Acceleration
	4.2(3m)	Y	–	Y	Y	SANTap
	4.2(3k)	Y	–	Y	Y	SANTap
	4.2(3i)	Y	–	Y	Y	SANTap
4.2(1b)	4.2(1b)	Y	–	Y	Y	Cisco Data Mobility Manager
		Y	–	–	–	Fibre Channel Write Acceleration

Table 1 Supported SSI Releases and Applications for Cisco MDS NX-OS Release 4.x (Continued)

4.2(1a)	4.2(1j)	Y	–	Y	Y	EMC Invista
	4.2(1a)	Y	–	Y	Y	Cisco Data Mobility Manager
		Y	–	–	–	Fibre Channel Write Acceleration
4.1(3a)	4.1(3m)	Y	–	Y	Y	SANTap
	4.1(3k)	Y	–	Y	Y	SANTap
	4.1(3j)	Y	–	Y	Y	SANTap
	4.1(3i)	Y	–	Y	Y	SANTap
	4.1(3a)	Y	–	Y	Y	Cisco Data Mobility Manager
		Y	–	–	–	Fibre Channel Write Acceleration
Y		–	Y	–	Incipient NSP	
4.1(1c)	4.1(1j)	Y	–	Y	Y	SANTap
4.1(1b)	4.1(1j)	Y	–	Y	Y	SANTap
	4.1(1i)	Y	–	Y	Y	SANTap
	4.1(1b)	Y	–	Y	–	Cisco Data Mobility Manager
		Y	–	–	–	Fibre Channel Write Acceleration

Table 2 lists the supported SSI releases and the applications they support for Cisco SAN-OS Release 3.x

Table 2 Supported SSI Releases and Applications for Cisco MDS SAN-OS Release 3.x

SAN-OS Release	Supported SSI Release	Supported Applications
SAN-OS 3.3(5b)	3.3(5b)	Cisco Data Mobility Manager
		Fibre Channel Write Acceleration
SAN-OS 3.3(5a)	3.3(5a)	Cisco Data Mobility Manager
		Fibre Channel Write Acceleration
SAN-OS 3.3(5)	3.3(5)	Cisco Data Mobility Manager
		Fibre Channel Write Acceleration
SAN-OS 3.3(4a)	3.3(4a)	Cisco Data Mobility Manager
		Fibre Channel Write Acceleration
SAN-OS 3.3(4)	3.2(3v)	SANTap
	3.3(4)	Cisco Data Mobility Manager
		Fibre Channel Write Acceleration
	3.2(3v)	SANTap
	3.2(3t)	SANTap
	3.2(3s)	SANTap

Table 2 Supported SSI Releases and Applications for Cisco MDS SAN-OS Release 3.x

SAN-OS 3.3(3)	3.3(3)	Cisco Data Mobility Manager Fibre Chnnel Write Acceleration EMC Invista Incipient NSP
	3.2(3v)	SANTap
	3.2(3t)	SANTap
	3.2(3s)	Incipient NSP SANTap
SAN-OS 3.3(2)	3.3(3)	EMC Invista
	3.3(2)	Cisco Data Mobility Manager Fibre Channel Write Acceleration
	3.2(3s)	EMC Invista Incipient NSP
	3.2(3r)	SANTap
	3.2(3n)	SANTap
SAN-OS 3.3(1c)	3.3(1c)	Cisco Data Mobility Manager Fibre Channel Write Acceleration
	3.2(3s)	SANTap EMC Invista Incipient NSP
	3.2(3r)	SANTap
	3.2(3n)	SANTap
SAN-OS 3.3(1a)	3.3(1a)	Cisco Data Mobility Manager Fibre Channel Write Acceleration
SAN-OS 3.2(3a)	3.2(3i)	
	3.2(3m)	Fibre Channel Write Acceleration
SAN-OS 3.2(3)	3.2(3s)	EMC Invista Incipient NSP
	3.2(3i)	
	3.2(3)	Cisco Data Mobility Manager Fibre Channel Write Acceleration

Table 2 Supported SSI Releases and Applications for Cisco MDS SAN-OS Release 3.x

SAN-OS 3.2(2c)	3.2(3s)	SANTap EMC Invista Incipient NSP
	3.2(3r)	SANTap EMC Invista
	3.2(3n)	SANTap EMC Invista
	3.2(3m)	SANTap
	3.2(3k)	SANTap
	3.2(3j)	SANTap
	3.2(3i)	EMC Invista
	3.2(3)	
	3.2(2b)	Cisco Data Mobility Manager
SAN-OS 3.2(1a)	3.2(1)	Cisco Data Mobility Manager
SAN-OS 3.1(3a)	3.1(3r)	SANTap
	3.1(3p)	SANTap
	3.1(3k)	Fibre Channel Write Acceleration
	3.1(3)	SANTap Incipient NSP
SAN-OS 3.1(2b)	3.1(2m)	SANTap
	3.1(2b)	SANTap
SAN-OS 3.1(2a)	3.1(2b)	SANTap
	3.1(2a)	Incipient NSP
SAN-OS 3.1(2)	3.1(2b)	SANTap
	3.1(2a)	Incipient NSP
	3.1(2)	Incipient NSP
SAN-OS 3.1(1)	3.1(2b)	SANTap
	3.1(2a)	Incipient NSP
	3.1(2)	Incipient NSP
	3.1(1)	Incipient NSP
SAN-OS 3.0(3)	3.0(3i)	Incipient NSP
	3.0(3)	

Table 2 Supported SSI Releases and Applications for Cisco MDS SAN-OS Release 3.x

SAN-OS 3.0(2b)	3.0(2m)	
	3.0(2j)	SANTap
	3.0(2i)	
	3.0(2b)	
	3.0(2)	
	3.0(1)	
SAN-OS 3.0(2a)	3.0(2m)	
	3.0(2j)	SANTap
	3.0(2i)	
	3.0(2b)	
	3.0(2)	
	3.0(1)	
SAN-OS 3.0(2)	3.0(2m)	
	3.0(2i)	
	3.0(2b)	
	3.0(2)	
SAN-OS 3.0(1)	3.0(2i)	
	3.0(2b)	
	3.0(2)	
	3.0(1)	

Table 3 lists the compatible SSI releases for Cisco SAN-OS Release 2.x

Table 3 Supported SSI Releases for Cisco MDS SAN-OS Release 2.x

SAN-OS Release	Supported SSI Release
SAN-OS 2.1(3)	2.1(2m)
	2.1(2l)
	2.1(2j)
	2.1(2i)
SAN-OS 2.1(2e)	2.1(2m)
	2.1(2l)
	2.1(2j)
	2.1(2i)
	2.1(2)

Table 3 Supported SSI Releases for Cisco MDS SAN-OS Release 2.x (Continued)

SAN-OS Release	Supported SSI Release
SAN-OS 2.1(2d)	2.1(2m)
	2.1(2l)
	2.1(2k)
	2.1(2j)
	2.1(2i)
	2.1(2)
SAN-OS 2.1(2b)	2.1(2m)
	2.1(2l)
	2.1(2k)
	2.1(2j)
	2.1(2i)
	2.1(2)
SAN-OS 2.1(2)	2.1(2)
SAN-OS 2.1(1b)	2.1(1g)
	2.1(1f)
	2.1(1b)
SAN-OS 2.1(1a)	2.1(1g)
	2.1(1f)
	2.1(1a)
SAN-OS 2.0(4a)	2.0(4a)
SAN-OS 2.0(4)	2.0(4)
SAN-OS 2.0(3)	2.0(3)
SAN-OS 2.0(2b)	2.0(2b)

Related Documentation

The documentation set for the Cisco MDS 9000 Family includes the following documents. To find a document online, use the Cisco MDS NX-OS Documentation Locator at:

http://www.cisco.com/en/US/docs/storage/san_switches/mds9000/roadmaps/doclocator.htm

Release Notes

- *Cisco MDS 9000 Family Release Notes for Cisco MDS NX-OS Releases*
- *Cisco MDS 9000 Family Release Notes for MDS SAN-OS Releases*
- *Cisco MDS 9000 Family Release Notes for Storage Services Interface Images*
- *Cisco MDS 9000 Family Release Notes for Cisco MDS 9000 EPLD Images*

- *Release Notes for Cisco MDS 9000 Family Fabric Manager*

Regulatory Compliance and Safety Information

- *Regulatory Compliance and Safety Information for the Cisco MDS 9000 Family*

Compatibility Information

- *Cisco Data Center Interoperability Support Matrix*
- *Cisco MDS 9000 NX-OS Hardware and Software Compatibility Information and Feature Lists*
- *Cisco MDS NX-OS Release Compatibility Matrix for Storage Service Interface Images*
- *Cisco MDS 9000 Family Switch-to-Switch Interoperability Configuration Guide*
- *Cisco MDS NX-OS Release Compatibility Matrix for IBM SAN Volume Controller Software for Cisco MDS 9000*
- *Cisco MDS SAN-OS Release Compatibility Matrix for VERITAS Storage Foundation for Networks Software*

Hardware Installation

- *Cisco MDS 9500 Series Hardware Installation Guide*
- *Cisco MDS 9500 Series Supervisor-2A Module Tech Note*
- *Cisco MDS 9200 Series Hardware Installation Guide*
- *Cisco MDS 9100 Series Hardware Installation Guide*
- *Cisco MDS 9124 and Cisco MDS 9134 Multilayer Fabric Switch Quick Start Guide*

Software Installation and Upgrade

- *Cisco MDS 9000 NX-OS Release 4.1(x) and SAN-OS 3(x) Software Upgrade and Downgrade Guide*
- *Cisco MDS 9000 Family Storage Services Interface Image Install and Upgrade Guide*
- *Cisco MDS 9000 Family Storage Services Module Software Installation and Upgrade Guide*

Cisco NX-OS

- *Cisco MDS 9000 Family NX-OS Licensing Guide*
- *Cisco MDS 9000 Family NX-OS Fundamentals Configuration Guide*
- *Cisco MDS 9000 Family NX-OS System Management Configuration Guide*
- *Cisco MDS 9000 Family NX-OS Interfaces Configuration Guide*
- *Cisco MDS 9000 Family NX-OS Fabric Configuration Guide*
- *Cisco MDS 9000 Family NX-OS Quality of Service Configuration Guide*
- *Cisco MDS 9000 Family NX-OS Security Configuration Guide*

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- *Cisco MDS 9000 Family NX-OS IP Services Configuration Guide*
- *Cisco MDS 9000 Family NX-OS Intelligent Storage Services Configuration Guide*
- *Cisco MDS 9000 Family NX-OS High Availability and Redundancy Configuration Guide*
- *Cisco MDS 9000 Family NX-OS Inter-VSAN Routing Configuration Guide*

Cisco Fabric Manager

- *Cisco Fabric Manager Fundamentals Configuration Guide*
- *Cisco Fabric Manager System Management Configuration Guide*
- *Cisco Fabric Manager Interfaces Configuration Guide*
- *Cisco Fabric Manager Fabric Configuration Guide*
- *Cisco Fabric Manager Quality of Service Configuration Guide*
- *Cisco Fabric Manager Security Configuration Guide*
- *Cisco Fabric Manager IP Services Configuration Guide*
- *Cisco Fabric Manager Intelligent Storage Services Configuration Guide*
- *Cisco Fabric Manager High Availability and Redundancy Configuration Guide*
- *Cisco Fabric Manager Inter-VSAN Routing Configuration Guide*
- *Cisco Fabric Manager Online Help*
- *Cisco Fabric Manager Web Services Online Help*

Command-Line Interface

- *Cisco MDS 9000 Family Command Reference*

Intelligent Storage Networking Services Configuration Guides

- *Cisco MDS 9000 I/O Acceleration Configuration Guide*
- *Cisco MDS 9000 Family SANTap Deployment Guide*
- *Cisco MDS 9000 Family Data Mobility Manager Configuration Guide*
- *Cisco MDS 9000 Family Storage Media Encryption Configuration Guide*
- *Cisco MDS 9000 Family Secure Erase Configuration Guide*
- *Cisco MDS 9000 Family Cookbook for Cisco MDS SAN-OS*

Troubleshooting and Reference

- *Cisco NX-OS System Messages Reference*
- *Cisco MDS 9000 Family NX-OS Troubleshooting Guide*
- *Cisco MDS 9000 Family NX-OS MIB Quick Reference*
- *Cisco MDS 9000 Family NX-OS SMI-S Programming Reference*

- *Cisco MDS 9000 Family Fabric Manager Server Database Schema*

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<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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