



CHAPTER 2

Cisco MDS NX-OS Release 5.x Feature Lists

This chapter describes the new features that are included in the following 5.x NX-OS release:

- [New Features for NX-OS Release 5.2\(6\), page 2-1](#)
- [New Features for NX-OS Release 5.2\(2a\), page 2-1](#)
- [New Features for NX-OS Release 5.2\(1\), page 2-2](#)
- [New Features for NX-OS Release 5.0\(1a\), page 2-2](#)

New Features for NX-OS Release 5.2(6)

5.2(6) Features	Description
Smart Zoning	Enables smart zoning on a VSAN. Smart zoning simplifies zoning and reduces the number of ACL entries considering the device type information.
SME Disk 2 TB Support	SME Disk now supports 2 TB LUNs for both signature and non-signature mode.
SME Disk Signature Mode	<ul style="list-style-type: none">• SME Disk signature mode will allow snapshots of a crypto LUN across key change operations.• SME Disk signature mode will automatically recognize snapshots that are available to the host, based on the media signature.
Master Key Rekey (MKR)	SME Disk now supports Master Key Rekey [MKR] on a cluster for both signature and non-signature mode.

[Release Notes for NX-OS Release 5.2\(6\)](#)

New Features for NX-OS Release 5.2(2a)

5.2(2a) Features	Description
Port Monitor Enhancements	Added three new counters for the port monitor command.

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[Release Notes for NX-OS Release 5.2\(2a\)](#)

New Features for NX-OS Release 5.2(1)

5.2(1) Features	Description
Virtual Fibre Channel Interface	Beginning with Cisco Release 5.2(1) , there are three modes to create a vFC interface.
Call Home HTTP Proxy Server Support	The HTTP proxy server support is added.
Disk Key Replication (DKR) feature	Manages crypto keys of disks involved in a replication relationship.
SME Disk	Feature that encrypts the data contained in a disk.

[Release Notes for NX-OS Release 5.2\(1\)](#)

New Features for NX-OS Release 5.0(1a)

5.0(1a) Features	Description
Secure Erase on the MSM-18/4 and the MDS-9222i	Cisco Secure Erase for the Cisco MDS 9500 or MDS 9200 family of switches provides significant advantages over traditional data erase mechanisms. These advantages include platform independence, higher speed, lower cost, and easier deployment.
AAA Enhancements	Beginning with Cisco NX-OS Release 5.0(1a), NX-OS supports LDAP and Active Directory for AAA authentication at the command-line interface (CLI) level.
IOA with IVR	Beginning with Cisco NX-OS Release 5.0(1a), IOA supports IVR flows and can operate seamlessly in IVR environments.
SME with IVR	Cisco Storage Media Encryption (SME) supports IVR as of Cisco NX-OS Release 5.0(1a).
SFP Diagnostics	Any error message related to SFP failures or SNMP traps will be written to syslog. Customers can listen to syslog for events related to SFP failures.

[Release Notes for NX-OS Release 5.0\(1a\)](#)