



New and Changed Information

Table 1 summarizes the new and changed commands for Cisco MDS NX-OS Release 6.2(1) and tells you where they are documented in the *Cisco MDS 9000 Family Command Reference*.

The *Cisco MDS 9000 Family Command Reference* applies to Cisco NX-OS Release 6.2(1), but describes all features in Cisco SAN-OS releases. If you are running Cisco SAN-OS 3.x or lower software on an MDS switch, refer to the *Cisco MDS 9000 Family CLI Command Reference* for the release train that applies to the release on your switch.



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.

Table 1 *New and Changed Commands in the Cisco MDS 9000 Family Command Reference*

Feature	Description	Where Documented
New and Changed Commands for Cisco NX-OS Release 6.2(11)		
event zone	This command was introduced.	E Commands
event fcns	This command was introduced.	E Commands
event flogi	This command was introduced.	E Commands
New and Changed Commands for Cisco NX-OS Release 6.2(9)		
show fc-management	This command was introduced.	Show Commands
device-alias confirm-commit enable	This command was introduced.	D Commands
zone confirm-commit enable vsan	This command was introduced.	Z Commands
show zone status	Added the combined zone database size for the command output.	Show Commands
priority-flow-control	Added the long-distance keyword to the syntax description.	P Commands
show fabric switch information vsan	Added a note.	Show Commands
show topology	Added a note.	Show Commands

Table 1 New and Changed Commands in the Cisco MDS 9000 Family Command Reference (continued)

Feature	Description	Where Documented
show tech-support fc-management	This command was introduced.	Show Commands
show process creditmon slowport-monitor-events	This command was introduced.	Show Commands
system timeout no-credit-drop	This command was introduced.	S Commands
system timeout slowport-monitor	This command was introduced.	S Commands
pwnn (fc-management database configuration sub mode)	This command was introduced.	P Commands
fc-management database	This command was introduced.	F Commands
fc-management enable	This command was introduced.	F Commands
fcdomain	Added the optimize all and scale-restart keywords to the syntax description.	F Commands
fcroute	This command was deprecated.	F Commands

New and Changed Commands for Cisco NX-OS Release 6.2(7)

fcns bulk-notify	This command was introduced.	F Commands
rscn coalesce swrscn vsan	This command was introduced.	R Commands
switchport	Added the keywords max-npiv-limit and trunk-max-npiv-limit to the syntax description. Added the keyword fec and speed to the syntax description.	S Commands
system port pacer mode F interface-login-threshold	This command was introduced.	S Commands
show interface	Added the fec related command output.	Show Commands
zone convert smart-zoning	Changed the command output.	Z Commands
show fabric switch information vsan	This command was introduced.	Show Commands

New and Changed Commands for Cisco NX-OS Release 6.2(5)

destination interface	SPAN is supported and RSPAN is not supported in Cisco MDS 9250i Multiservice Fabric Switch.	D commands
show fc-tunnel	This command was deprecated.	Show Commands

Table 1 New and Changed Commands in the Cisco MDS 9000 Family Command Reference (continued)

Feature	Description	Where Documented
fc-tunnel	All the fc-tunnel commands are not supported in Cisco MDS 9250i Multiservice Fabric Switch.	F Commands
ioa-ping	This command was introduced.	I Commands
Pathtrace	This command was introduced.	P Commands
show fcip	Added the command output for FCIP Profiles for Cisco MDS 9250i Multiservice Fabric Switch.	Show Commands
show interface capabilities	Added the Cisco MDS 9250i Multiservice Fabric Switch output to the “ show interface capabilities ” command.	
show interface	Added the command output for detailed FCIP Interface Standard Counter Information, FCIP Interface Summary of Counters for a Specified Interface, brief FCIP Interface Counter Information for Cisco MDS 9250i Multiservice Fabric Switch.	
show interface ioa	Added the show interface ioa 1/1 counters brief command to show the average for 5minutes, 12 hours and 24 hours respectively.	

New and Changed Commands for Cisco NX-OS Release 6.2(3)

fcdomain	show fcdomain vsan command (Changed the command output)	Show Commands
counters	Deprecated the show interface counters performance command	

New and Changed Commands for Cisco NX-OS Release 6.2(1)

Online diagnostics (GOLD)	Added the diagnostic bootup level command	D Commands
	Added the diagnostic monitor interval module command	
	Added the diagnostic monitor module command	
	Added the diagnostic ondemand interaction command	
	Added the diagnostic ondemand action-on-failure command	
	Added the diagnostic start module command	
	Added the diagnostic stop module command	
	Added the show diagnostic bootup level command	Show Commands
	Added the show diagnostic content module command	

Table 1 New and Changed Commands in the Cisco MDS 9000 Family Command Reference (continued)

Feature	Description	Where Documented
	Added the show diagnostic description module command	
	Added the show diagnostic events command	
	Added the show diagnostic ondemand setting command	
	Added the show diagnostic result module command	
	Added the show diagnostic simulation module command	
	Added the show diagnostic status module command	
	Added the show hardware capacity command	
	Added the show module command	
Deprecated secure erase commands	secure-erase abort job	S Commands
	secure-erase create algorithm	
	secure-erase create job	
	secure-erase create-vi vsan	
	secure-erase destroy algorithm	
	secure-erase destroy job	
	secure-erase destroy-vi vsan	
	secure-erase start job	
	secure-erase stop job	
	secure-erase validate job	
	security-mode	
	add-session vsan	A Commands
	add-step dynamic	
	add-step static	
	add-tgt vsan	
	add-vi vsan	
	show secure-erase vsan	Show Commands
	show secure-erase algorithm	
	show secure-erase job	
	show secure-erase job detail	
	show secure-erase vsan	
FCSP	Added the snmp-server aaa exclusive-behavior enable command	S Commands

Table 1 New and Changed Commands in the Cisco MDS 9000 Family Command Reference (continued)

Feature	Description	Where Documented
clear snmp counters	Added the snmp option to the syntax description.	C Commands
Performance statistics	show interface Added the performance, module and interval keywords to the syntax description.	Show Commands
Display ISL related information	Added show topology isl command.	Show Commands
Luke CLI changes	Added the monitor session command	M Commands
	Added the output for remote span configuration on local and remote switch for fc-tunnel command	F Commands
	source command Added the keywords ethernet, ethernet-port-channel, sup-eth, vlan to the syntax description.	S Commands
	Added the show monitor session command	Show Commands
	Deprecated span session, span session source interface, suspend, span max-queued-packets commands	
New and Changed Commands for Cisco NX-OS Release 5.2(8)		
RSCN	Added the rsen permit type nport event switch-config command	R Commands
New and Changed Commands for Cisco NX-OS Release 5.2(6)		
Slow drain	Added the system default interface congestion timeout command Added the system default interface congestion mode command Added the system default interface pause timeout command Added the system default interface pause mode command	S Commands
Smart Zoning	Added the show zone smart-zoning auto-conv command	Show Commands
	Added the zone smart-zoning enable command	Z Commands
	Added the clear zone smart-zoning command	C Commands
	Added the zone convert smart-zoning command	Z Commands
	member (zone configuration and zoneset-zone configuration submode) Added the keywords both, initiator, target to the syntax description	M Commands

Table 1 New and Changed Commands in the Cisco MDS 9000 Family Command Reference (continued)

Feature	Description	Where Documented
	Added the system default zone smart-zone enable command	S Commands
	Added the show zone policy command	Show Commands
	Added the show zone internal vsan command	Show Commands
	Added the show zone internal global-info command	Show Commands

New and Changed Commands for Cisco NX-OS Release 5.2(2a)

Port Monitor	counter (port-group-monitor configuration mode) command (Added 3 new counters to the syntax description)	C Commands
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New and Changed Commands for Cisco NX-OS Release 5.2(1)

CallHome	transport http proxy enable command	T Commands
	transport http proxy server command	
	show callhome transport command	
	show logging command (Added a new comment)	
	out-of-service command (This command was deprecated)	O Commands
	out-of-service module command (Applicable for supervisor module only)	
	out-of-service xbar command (This command was deprecated)	

New and Changed Commands for Cisco NX-OS Release 5.0(1a)

AAA enhancements	radius-server test command	R Commands
	tacacs-server test command	T Commands
	aaa authentication login chap enable command	A Commands
	aaa authentication login command (Added fallback , error , and local keywords to the syntax description)	
	show aaa authentication login chap enable command	Show commands
AAM	ivr aam register command	I Commands
	ivr aam pre-deregister-check command	
	fc-redirect version2 enable command	F Commands
	fc-redirect ivr-support enable command	
	show ivr aam command	Show Commands

Table 1 New and Changed Commands in the Cisco MDS 9000 Family Command Reference (continued)

Feature	Description	Where Documented
Enhancements for Call Home	transport email mail-server command	T Commands
	show callhome transport command	Show Commands
Per-command authorization with TACACS with roles support	enable command	E Commands
	enable user-server-group command	
	feature command (Added privilege keyword to the syntax description)	F Commands
SSH enhancements	username command (Added the keypair and Priv-lvl keyword to the syntax description)	U Commands
	show username command	Show Commands
FICON	ficon-tape-read-accelerator command	F Commands
ISAPI enhancements	ssm enable feature command (Added a node keyword to the syntax description)	
Cert PKI	show crypto ca remote-certstore command	Show Commands
	show crypto certificatemap command	
	show crypto ssh-auth-map command	
	crypto certificatemap mapname command	C Commands
	crypto cert ssh-authorize command	
	crypto ca lookup command	
	crypto ca remote ldap command	
filter command	F Commands	
LDAP	ldap-server deadtime command	L Commands
	ldap-server port command	
	ldap-server timeout command	
	ldap-server host command	
	ldap-search-map command	
	aaa group server command	A Commands
	server command	S Commands
	show ldap-server command	Show Commands
	show ldap-server groups command	
	show ldap-search-map command	
	aaa authorization ssh-certificate command	A Commands
	aaa authorization ssh-publickey command	
	authentication command	
	auth-mechanism plain command	

Table 1 New and Changed Commands in the Cisco MDS 9000 Family Command Reference (continued)

Feature	Description	Where Documented
	debug ldap command	D Commands
	enable cert-DN-match command	E Commands
	enable user-server-group command	
	deadtime (server group configuration mode) command	D Commands
	CRLLookup command	C Commands
	trustedcert command	T Commands
	user-certdn-match command	U Commands
	user-pubkey-match command	
	user-switch-bind command	
	userprofile command	
Deprecated Command	fcc enable command	F Commands
New and Changed Commands for Cisco NX-OS Release 4.2(1)		
Call Home	destination-profile command (Deleted Avanti keyword from the syntax description. Added the Usage guideline)	D Commands
EEM	action event-default command (Added a note)	A Commands
	terminal event-manager bypass command (Added a note)	T Commands
	event command (Added a note)	E Commands
Port Guard	errdisable detect cause bit-errors command	E Commands
	errdisable detect cause credit-loss command	
	errdisable detect cause link-reset command	
	errdisable detect cause signal-loss command	
	errdisable detect cause sync-loss command	
	errdisable detect cause trustsec-violation command	
	feature command (Added ioa keyword to the syntax description)	F Commands
AAA Enhancements	show aaa authentication login chap enable command	Show Commands
	show aaa authorization all command	

Table 1 New and Changed Commands in the Cisco MDS 9000 Family Command Reference (continued)

Feature	Description	Where Documented
	clear tacacs-server statistics command	C Commands
	clear radius-server statistics command	
	aaa authentication login mschapv2 enable command	A Commands
	aaa authorization command	
	test aaa authorization command	T Commands
	terminal verify-user command	
FC-redirect with IVR	show ivr aam command	Show Commands
FC-ID Visibility	show fcns database command (Changed the command output)	
IOA	ioa site-local command	I commands
	ioa cluster command	
	interface ioa command	
	load-balancing (Cisco IOA cluster Configuration submode) command	L Commands
	nport command	N Commands
	node (Cisco IOA cluster node configuration submode) command	
	flowgroup command	
	host command	H Commands
	trustedcert command	
	show ioa internal interface ioa command	Show Commands
	show ioa cluster summary command	
	show interface ioa command	
	show ioa cluster command	
Port Group Monitoring	show port-group-monitor active command	Show Commands
	show port-group-monitor command	
	show port-group-monitor status command	
	port-group-monitor activate command	P Commands
	port-group-monitor name command	
	port-group-monitor enable command	
	port-group-monitor counter command	
	monitor counter command	M Commands
Trustsec	show running-config callhome command	Show Commands
	show fcsp interface command	
	fcsp esp sa command	F Commands
	fcsp command	

Table 1 New and Changed Commands in the Cisco MDS 9000 Family Command Reference (continued)

Feature	Description	Where Documented
	ingress-sa command	I Commands
	interface fc command	
	egress-sa command	E Commands
	mode command	M Commands
	key (sa configuration submode) command	K Commands
	salt (sa configuration submode) command	S Commands
New and Changed Commands for Cisco NX-OS Release 4.1(3a)		
AAA enhancements	aaa authentication login ascii-authentication command (enable the password aging command has been changed from aaa authentication login password-aging enable to aaa authentication login ascii-authentication)	A Commands
	show aaa authentication login ascii-authentication command (enable the password aging command has been changed from show aaa authentication login password-aging enable to show aaa authentication login ascii-authentication)	Show Commands
New and Changed Commands for Cisco NX-OS Release 4.1(3)		
Call Home	destination-profile command (Added the HTTPs URL and transport method to the syntax description)	D Commands
Port Guard	errdisable detect cause link-down command	E Commands
Port Owner	switchport owner command	S Commands
F port Trunking	command (Added Keywords hhttp-server , fport-channel-trunk , npiv and npv to the syntax description)	F Commands
	switchport command (Added the F and NP port mode)	S Commands
	show flogi database interface command	Show Commands

Table 1 New and Changed Commands in the Cisco MDS 9000 Family Command Reference (continued)

Feature	Description	Where Documented
F port Channeling	show port-channel compatibility-parameters command	Show Commands
	show port-channel consistency command	
	show port-channel database command	
	show port-channel internal command	
	show port-channel summary command	
	show port-channel usage command	
	channel-group command (Deleted auto keyword from the syntax description)	C Commands
	port-channel persistent command (Added usage guideline)	P Commands
	clear asic-ent command	C Commands
	show fcns database command (Changed the command output for show fcns database detail)	Show Commands
Hardware	show system command (Changed the show system uptime output)	Show Commands
Radius Configuration	radius-server host command (Changed the command output)	R Commands
	show running radius command (Changed the command output)	Show Commands
EEM	event manager applet command	E Commands
	errdisable detect cause bit-errors command	
	event manager policy command	
	event manager environment command	
	description command	
	show event manager policy command	Show Commands
	show event manager environment command	
	action cli command	A Commands

Table 1 New and Changed Commands in the Cisco MDS 9000 Family Command Reference (continued)

Feature	Description	Where Documented
	action counter command	
	action event-default command	
	action exception log command	
	action forceshut command	
	action overbudgetshut command	
	action policy-default command	
	action reload command	
	action snmp-trap commnd	
	action syslog command	
	Added SME Commands	
SME	scaling batch enable command	S Commands

Table 1 New and Changed Commands in the Cisco MDS 9000 Family Command Reference (continued)

Feature	Description	Where Documented
New and Changed Commands for Cisco NX-OS Release 4.1(1b)		
Call Home	switch-priority command (Added usage guidelines)	S Commands
	system delayed-traps timer command	
	system delayed-traps enable mode command	
system health	system health clear-errors command	S Commands
Port-monitor	show port-monitor status command	Show Commands
	show port-monitor active command	
SNMP	show system internal snmp lc command	
SSM	ssm upgrade delay command	S Commands
SANTap	show isapi tech-support santap file command (Added usage guidelines)	Show Commands
	show santap module dvt command	
	show santap module dvtlun command	
	show santap vttbl dvt command	
	show santap vttbl dvt host command	
SDV	show sdv command (Changed the command output)	Show Commands
	attribute failover auto command	A Commands
General Configuration	feature command	F Commands
DPVM	clear dpvm merge statistics command	C Commands
	show dpvm merge statistics command	Show Commands
	show dpvm merge status command	
	dpvm overwrite-duplicate-pwvn command	D Commands
Generation 3 Modules	do command (Added the command output for extended receive bbcredit interface) (Added a Note)	D Commands
	show interface command (Added the command output for bbcredit information for a switch port) (Added the command output for interface capabilities on a 48 port line card)	Show Commands

Table 1 New and Changed Commands in the Cisco MDS 9000 Family Command Reference (continued)

Feature	Description	Where Documented
	<p>show module command</p> <p>(Added the command output for a module resource on a 24 port line card with all ports in shared mode)</p> <p>(Added the command output for a module resource on a 24 port line card with few ports in shared mode and few port in dedicated mode)</p> <p>(Added the command output for a module resource on a 12 port line card with all ports in dedicated mode)</p> <p>(Added the command output for a module resource on a 12 port line card with all ports in dedicated mode and extended feature enabled)</p>	Show Commands
Hardware	show hardware fabric-mode command	Show Commands
	<p>show username command</p> <p>(Changed the command output from SAN-OS to NX-OS)</p>	
	<p>show hardware command</p> <p>(Changed the command output from SAN-OS to NX-OS)</p>	
	<p>show copyright command</p> <p>(Changed the command output from SAN-OS to NX-OS)</p>	
Deprecated Commands		
(see the feature command for replacement commands)		
	crypto ike enable command	C Commands
	dpvm enable command	D Commands
	fabric-binding enable command	F Commands
	fcip enable command	
	fcsp enable command	
	ficon enable command	
	ivr enable command	I Commands
	port-security enable command	P Commands
	sdv enable command	S Commands
	tacacs+ enable command	T Commands
	Added DMM Commands	

Table 1 *New and Changed Commands in the Cisco MDS 9000 Family Command Reference (continued)*

Feature	Description	Where Documented
DMM	dmm module job command (Added the set-vi and modify rate keywords)	D Commands
	show dmm module command (Added the syntax description and the command output)	Show Commands
	Added SME Commands	
SME	cluster command (Cluster command is replaced by the feature command)	C Commands
	show tech-support sme command (Added the command output)	Show Commands
	show role command (Added the command output)	
	show sme cluster (Added the syntax description)	
	show sme transport command (Added the syntax description)	
	show debug command (Added the syntax description)	
	delete command (Added the syntax description)	D Commands

