New and Changed Information

Table 1 summarizes the new and changed commands for Cisco MDS NX-OS Release 5.2(6) 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 5.2(6), 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 5.2(8)		
RSCN	Added the **rscn 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	S Commands
	Added the **system default interface congestion mode** command	
	Added the **system default interface pause timeout** command	
	Added the **system default interface pause mode** command	
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

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

Feature	Description	Where Documented
	member (zone configuration and zoneset-zone configuration submode) Added the keywords **both, initiator, target** to the sysntax description	M Commands
	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)

Feature	Description	Where Documented
Port Monitor	**counter (port-group-monitor configuration mode)** command (Added 3 new counters to the syntax description)	C Commands

New and Changed Commands for Cisco NX-OS Release 5.2(1)

Feature	Description	Where Documented
CallHome	**transport http proxy enable** command	
	transport http proxy server command	T Commands
	show callhome transport command	Show Commands
	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)

Feature	Description	Where Documented
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	

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

Feature	Description	Where Documented
	fc-redirect version2 enable command	F Commands
	fc-redirect ivr-support enable command	
	show ivr aam command	Show Commands
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

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

Feature	Description	Where Documented
	aaa authorization ssh-publickey command	
	authentication command	
	auth-mechanism plain command	
	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 **hhtp-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-cnt 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	D Commands
	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-pwwn 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
	show module command (Added the command output for a module resource on a 24 port line card with all ports in shared mode) (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) (Added the command output for a module resource on a 12 port line card with all ports in dedicated mode) (Added the command output for a module resource on a 12 port line card with all ports in dedicated mode and extended feature enabled)	Show Commands
Hardware	show hardware fabric-mode command	Show Commands
	show username command (Changed the command output from SAN-OS to NX-OS)	
	show hardware command (Changed the command output from SAN-OS to NX-OS)	
	show copyright command (Changed the command output from SAN-OS to NX-OS)	

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

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