



## New and Changed Information

**Table 1** summarizes the new and changed commands for Cisco MDS NX-OS Release 4.2(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 4.1(3), 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
<b>New and Changed Commands for Cisco NX-OS Release 4.2(7a)</b>		
Slow drain	<a href="#">system timeout congestion-drop</a> command	S Commands
	<a href="#">system timeout no-credit-drop</a> command	
	<a href="#">show logging onboard request-timeout</a> command	
	<a href="#">show process creditmon</a> command	Show Commands
	<a href="#">show logging onboard credit-loss</a> command	
	<a href="#">show logging onboard timeout-drops</a> command	
	<a href="#">counter tx-credit-not-available</a> command	
	<a href="#">counter credit-loss-reco</a> command	Show Commands
	<a href="#">counter timeout-discards</a> command	
	<a href="#">show port-monitor active</a> command	
	<a href="#">show system internal snmp credit-not-available</a> command	
	<a href="#">show port internal info interface fc</a> command	
	<a href="#">show port-monitor</a> command	

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

Feature	Description	Where Documented
	<b>counter lr-rx</b> command	C Commands
	<b>monitor counter tx-discards</b> command	M Commands
<b>New and Changed Commands for Cisco NX-OS Release 4.2(1)</b>		
Call Home	<b>destination-profile</b> command (Deleted Avanti keyword from the syntax description. Added the Usage guideline)	D Commands
EEM	<b>action event-default</b> command (Added a note)	A Commands
	<b>terminal event-manager bypass</b> command (Added a note)	T Commands
	<b>event</b> command (Added a note)	E Commands
Port Guard	<b>errdisable detect cause bit-errors</b> command	E Commands
	<b>errdisable detect cause credit-loss</b> command	
	<b>errdisable detect cause link-reset</b> command	
	<b>errdisable detect cause signal-loss</b> command	
	<b>errdisable detect cause sync-loss</b> command	
	<b>errdisable detect cause trustsec-violation</b> command	
	<b>feature</b> command (Added <b>ioa</b> keyword to the syntax description)	F Commands
AAA Enhancement	<b>show aaa authentication login mschapv2</b> command	Show Commands
	<b>show aaa authorization all</b> command	
	<b>clear tacacs-server statistics</b> command	C Commands
	<b>clear radius-server statistics</b> command	
	<b>aaa authentication login mschapv2 enable</b> command	A Commands
	<b>aaa authorization</b> command	
	<b>test aaa authorization</b> command	T Commands
	<b>terminal verify-user</b> command	
FC-redirect with IVR	<b>show ivr aam pre-deregister-check</b> command	show Commands
FC-ID Visibility	<b>show fens database</b> command (Changed the command output)	show Commands
IOA	<b>ioa site-local</b> command	I Commands
	<b>ioa cluster</b> command	
	<b>interface ioa</b> command	

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

Feature	Description	Where Documented
	<b>load-balancing (Cisco IOA cluster Configuration submode)</b> command	L Commands
	<b>nport</b> command	N Commands
	<b>node (Cisco IOA cluster node configuration submode)</b> command	
	<b>flowgroup</b> command	F Commands
	<b>host</b> command	H commands
	<b>tune</b> command	
	<b>show ioa internal interface ioa</b> command	Show Commands
	<b>show ioa cluster summary</b> command	
	<b>show interface ioa</b> command	
	<b>show ioa cluster</b> command	
Port Group Monitoring	<b>show port-monitor active</b> command	show Commands
	<b>show port-group-monitor</b> command	
	<b>show port-group-monitor status</b> command	
	<b>port-group-monitor activate</b> command	P Commands
	<b>port-group-monitor name</b> command	
	<b>port-group-monitor enable</b> command	
	<b>port-group-monitor counter</b> command	
<b>monitor counter</b> command	M Commands	
Trustsec	<b>show running-config fcsp</b> command	show Commands
	<b>show fcsp interface</b> command	
	<b>fcsp esp sa</b> command	F Commands
	<b>fcsp</b> command	
	<b>ingress-sa</b> command	I commands
	<b>interface fc</b> command	
	<b>egress-sa</b> command	E Commands
	<b>mode</b> command	M Commands
	<b>key (sa configuration submode)</b> command	K Commands
	<b>salt (sa configuration submode)</b> command	S Commands

**New and Changed Commands for Cisco NX-OS Release 4.1(3a)**

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

Feature	Description	Where Documented
AAA enhancement	<b>aaa authentication login ascii-authentication</b> command  (enable the password aging command has been changed from <b>aaa authentication login password-aging enable</b> to <b>aaa authentication login ascii-authentication</b> )	A Commands
	<b>show aaa authentication login ascii-authentication</b> command  (enable the password aging command has been changed from <b>show aaa authentication login password-aging enable</b> to <b>show aaa authentication login ascii-authentication</b> )	Show Commands
<b>New and Changed Commands for Cisco NX-OS Release 4.1(3)</b>		
Call Home	<b>destination-profile</b> command  (Added the HTTPs URL and transport method to the syntax description)	D Commands
Port Guard	<b>errdisable detect cause link-down</b> command	E Commands
Port Owner	<b>switchport owner</b> command	S Commands
F port Trunking	<b>feature</b> command  (Added Keywords <b>hhttp-server</b> , <b>fport-channel-trunk</b> , <b>npiv</b> and <b>npv</b> to the syntax description)	F Commands
	<b>switchport</b> command  (Added the <b>F</b> and <b>NP</b> port mode)	S Commands
	<b>show flogi database interface</b> command	Show Commands
F port Channeling	<b>show port-channel compatibility-parameters</b> command	Show Commands
	<b>show port-channel consistency</b> command	
	<b>show port-channel database</b> command	
	<b>show port-channel internal</b> command	
	<b>show port-channel summary</b> command	
	<b>show port-channel usage</b> command	
	<b>channel-group</b> command  (Deleted <b>auto</b> keyword from the syntax description)	C Commands
<b>port-channel persistent</b> command  (Added usage guideline)	P Commands	
	<b>clear asic-cnt</b> command	C Commands

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

Feature	Description	Where Documented	
	<b>ntp</b> command (Added a note)	N Commands	
	<b>show fns database</b> command (Changed the command output for <b>show fns database detail</b> )	Show Commands	
Hardware	<b>show system</b> command (Changed the <b>show system uptime</b> output)	Show Commands	
Radius Configuration	<b>radius-server host</b> command (Changed the command output)	R Commands	
	<b>show running radius</b> command (Changed the command output)	Show Commands	
Scheduler	<b>scheduler</b> command (Deleted a Note)	S Commands	
EEM	<b>event manager applet</b> command	E Commands	
	<b>errdisable detect cause bit-errors</b> command		
	<b>event manager policy</b> command		
	<b>event manager environment</b> command		
	<b>description</b> command		D Commands
	<b>show event manager policy</b> command		Show Commands
	<b>show event manager environment</b> command		
	<b>action cli</b> command		A Commands
	<b>action counter</b> command		
	<b>action event-default</b> command		
<b>action exception log</b> command			
<b>action forceshut</b> command			
<b>action overbudgetshut</b> command			
<b>action policy-default</b> command			
<b>action reload</b> command			
<b>action snmp-trap</b> command			
<b>action syslog</b> command			
	Added SME Commands		
SME	<b>scaling batch enable</b> command	S Commands	

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

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

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

<b>Feature</b>	<b>Description</b>	<b>Where Documented</b>
	<p><b>show module</b> 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>	<a href="#">Show Commands</a>
Hardware	<b>show hardware fabric-mode</b> command	<a href="#">Show Commands</a>
	<p><b>show version</b> command</p> <p>(Changed the command output from SAN-OS to NX-OS)</p>	<a href="#">Show Commands</a>
	<p><b>show hardware</b> command</p> <p>(Changed the command output from SAN-OS to NX-OS)</p>	
	<p><b>show copyright</b> command</p> <p>(Changed the command output from SAN-OS to NX-OS)</p>	
<b>Deprecated Commands</b>		
(see the <a href="#">feature</a> command for replacement commands)		
	<b>crypto ike enable</b> command	<a href="#">C Commands</a>
	<b>dpvm enable</b> command	<a href="#">D Commands</a>
	<b>fabric-binding enable</b> command	<a href="#">F Commands</a>
	<b>fcip enable</b> command	
	<b>fcsp enable</b> command	
	<b>ficon enable</b> command	
	<b>ivr enable</b> command	<a href="#">I Commands</a>
	<b>port-security enable</b> command	<a href="#">P Commands</a>
	<b>sdv enable</b> command	<a href="#">S Commands</a>
	<b>tacacs+ enable</b> command	<a href="#">T Commands</a>
	<b>Added DMM Commands</b>	

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DMM	<b>dmm module job</b> command (Added the <b>set-vi</b> and <b>modify rate</b> keywords)	<a href="#">D Commands</a>
	<b>show dmm module</b> command (Added the syntax description and the command output)	<a href="#">Show Commands</a>
	<b>Added SME Commands</b>	
SME	<b>cluster</b> command ( <b>Cluster</b> command is replaced by the <b>feature</b> command)	<a href="#">C Commands</a>
	<b>show tech-support sme</b> command (Added the command output)	<a href="#">Show Commands</a>
	<b>show role</b> command (Added the command output)	
	<b>show sme cluster</b> (Added the syntax description)	
	<b>show sme transport</b> command (Added the syntax description)	
	<b>show debug</b> command (Added the syntax description)	
	<b>delete</b> command (Added the syntax description)	