

New and Changed Information

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The following table lists the new and changed features available with each supported Cisco MDS NX-OS release for the Cisco MDS 9700 Series, with the latest release first.

Table 1: Feature History for the Cisco MDS 9700 Directors

Feature	Description	Changed in Release	Where Documented
Nondisruptive Supervisor-4 Migration on Dual Supervisor Switch	Updated procedure to ensure active sup is in even slot (Step 2) and additional information to verify the supervisor gets correctly powered down (Step 9).	N/A	Nondisruptive Supervisor-4 Migration on Dual Supervisor Switch
Installing a Line Card Module	The Installing a Line Card Module topic is added.	9.4(2)	Installing Fibre Channel Switching Modules (Line cards)
Removing a Line Card Module	The Removing a Line Card Module topic is added.	9.4(2)	Removing Fibre Channel Switching Modules (Line cards)
Support for linecard configuration migration	The migrate configuration linecard exec command is introduced. Use the command when linecards are upgraded in the same slot has been added	9.4(2)	Upgrading Fibre Channel Switching Modules (Line cards)
Reduced allocated power (resverved power) for each fan tray	The maximum power allocated to each fan tray has been reduced by optimizing the fan speed. The following switches: • MDS 9706 • MDS 9710 • MDS 9718	9.4(1)	Technical Specifications

Feature	Description	Changed in Release	Where Documented
Manageability of PSUs in MDS 9700 director switches	Support to power off unneeded PSUs in the following switches has been added: • MDS 9706 • MDS 9710 • MDS 9718 This can be used when there are PSUs in the chassis that are not used based on the power requirements of the switch. It prevents unnecessary alarms in system management software, such as NDFC. For more information, see the Cisco MDS 9000 Series Fundamentals Configuration Guide.	9.4(1)	Installing and Removing Fan Modules or Trays
Cisco MDS 48-Port 64-Gbps Fibre Channel Switching Module	The Cisco MDS 48-Port 64-Gbps Fibre Channel Switching Module (DS-X9748-3072K9) was added for Cisco MDS 9700 Series Multilayer Directors.	9.2(1)	Product Overview
Support for Cisco MDS 9700 Crossbar Fabric-3 Switching Module	Support for Cisco MDS 9700 Crossbar Fabric-3 Switching Module (DS-X9718-FAB3) was added for Cisco MDS 9718 Director.	8.4(2a)	Product Overview
Support for Cisco MDS 9700 Supervisor-4 Module	Support for Cisco MDS 9700 Supervisor-4 Module (DS-X97-SF4-K9) was added for Cisco MDS 9718 Director.	8.4(2a)	Product Overview
Nondisruptive Migration from a Supervisor-1E Module to a Supervisor-4 Module	Support for nondisruptive migration from a Supervisor-1E Module to Supervisor-4 Module was added for Cisco MDS 9718 Director.	8.4(2a)	Nondisruptive Migration from Supervisor-1/1E to Supervisor-4 Modules
Nondisruptive Migration from Crossbar Fabric-1 Switching Modules to Crossbar Fabric-3 Switching Modules	Support for nondisruptive migration from Crossbar Fabric-1 Switching Modules to Crossbar Fabric-3 Switching Modules was added for Cisco MDS 9718 Director.	8.4(2a)	Nondisruptive Migration from Crossbar Fabric-1 Switching Modules to Crossbar Fabric-3 Switching Modules

Feature	Description	Changed in Release	Where Documented
Support for Cisco MDS 9700 Crossbar Fabric-3 Switching Module	Support for Cisco MDS 9700 Crossbar Fabric-3 Switching Module (DS-X9710-FAB3) was added for Cisco MDS 9710 Director. Support for Cisco MDS 9700 Crossbar Fabric-3 Switching Module (DS-X9706-FAB3) was added for Cisco MDS 9706 Director.	8.4(1)	Product Overview
Support for Cisco MDS 9700 Supervisor-4 Module	Support for Cisco MDS 9700 Supervisor-4 Module (DS-X97-SF4-K9) was added for Cisco MDS 9710 and 9706 Directors.	8.4(1)	Product Overview
Nondisruptive Migration from a Supervisor-1 Module to a Supervisor-4 Module	Support for nondisruptive migration from a Supervisor-1 Module to Supervisor-4 Module was added for Cisco MDS 9710 and 9706 Directors.	8.4(1)	Nondisruptive Migration from Supervisor-1/1E to Supervisor-4 Modules
Nondisruptive Migration from Crossbar Fabric-1 Switching Modules to Crossbar Fabric-3 Switching Modules	Support for nondisruptive migration from Crossbar Fabric-1 Switching Modules to Crossbar Fabric-3 Switching Modules was added for Cisco MDS 9710 and 9706 Directors.	8.4(1)	Nondisruptive Migration from Crossbar Fabric-1 Switching Modules to Crossbar Fabric-3 Switching Modules
Support for Cisco MDS 9700 HVDC PSU (DS-CHV-3.5KW)	Support for Cisco MDS 9700 HVDC PSU (DS-CHV-3.5KW) was added.	8.1(1b)	Product Overview
Cisco MDS 48-Port 32-Gbps Fibre Channel Switching Module	The Cisco MDS 48-Port 32-Gbps Fibre Channel Switching Module is supported on Cisco MDS 9700 Series Multilayer Directors.	8.1(1)	Cisco MDS 48-Port 32-Gbps Fiber Channel Switching Module
High-Voltage DC PSU	A 3500W High-Voltage DC (HVDC) Power Supply Unit (DS-CHV-3.5KW) is supported on Cisco MDS 9706 and Cisco MDS 9710 Directors.	6.2(19)	Power Supplies
Cisco MDS 24/10 port SAN Extension Module	The Cisco MDS 24/10 port SAN Extension Module is supported on Cisco MDS 9700 Series Multilayer Directors. With 24 line rate 2, 4, 8, 10, and 16-Gbps Fibre Channel ports and eight 1 and 10GE or two 40GE Fibre Channel over IP (FCIP) ports, this module enables large and scalable deployment of SAN extension solutions.	7.3(0)DY(1)	Cisco MDS 24/10 port SAN Extension Module

Feature	Description	Changed in Release	Where Documented
Cisco MDS 9718 Multilayer Director	The Cisco MDS 9718 chassis has 18 slots for one or two supervisor modules and up to 16 I/O modules. The chassis also holds up to six fabric modules, up to 16 AC or DC 3-kW power supplies, and three fan trays.	7.3(0)D1(1)	Cisco MDS 9718 Director and Technical Specifications
Cisco MDS-24 port 40-Gbps Fibre Channel over Ethernet Module	The Cisco MDS 9700 24-Port 40-Gbps Fibre Channel over Ethernet (FCoE) Module provides Cisco Unified fabric connectivity to the SAN core.	7.3(0)	Cisco MDS 24-Port 40-Gbps Fiber Channel over Ethernet Module
Cisco MDS 9706 Multilayer Director	Added the Cisco MDS 9706 Multilayer Director (DS-C9706). The chassis consists of 6 horizontal slots, where slots 1, 2, 5, and 6 are reserved for switching, services, and slots 3 and 4 for supervisor modules only.	6.2(9)	Cisco MDS 9706 Director and Technical Specifications
Cisco MDS 48-Port 10-Gigabit Fibre Channel over Ethernet Module	Added the Cisco MDS 48-Port 10-Gigabit Fibre Channel over Ethernet module (DS-X9848-480K9).	6.2(7)	Cisco MDS 48-Port 10-Gbps Fiber Channel over Ethernet Module
Supported SFP+ Transceiver	Added Supported 10-Gbps SFP+ Transceiver.	6.2(7)	Technical Specifications