

New and Changed Information

The *Cisco MDS 9000 Family Fabric Manager Configuration Guide* provides release-specific information for the Cisco MDS SAN-OS Release 2.x (including Release 2.0(1b) through 2.1(2b) software) and Cisco MDS 9000 FabricWare Release 2.1(2). The latest version of this document is available at the following Cisco Systems website:

<http://www.cisco.com/univercd/cc/td/doc/product/sn5000/mds9000/index.htm>

To check for additional information about this release, refer to the *Cisco MDS 9000 Family Release Notes* available at the following Cisco Systems website:

<http://www.cisco.com/univercd/cc/td/doc/product/sn5000/mds9000/index.htm>

Table 1 summarizes the new and changed features for the *Cisco MDS 9000 Family Fabric Manager Configuration Guide*, and tells you where they are documented. The table includes a brief description of each new feature and the release in which the change occurred.

Table 1 Documented Features for the Cisco MDS 9000 Family Fabric Manager Configuration Guide

Feature	Description	Changed in Release	Where Documented
Fabric Manager Web Services Enhancements	Includes custom report generation, license inventory, TACACS+ authentication, Traffic Analyzer integration, and SNMP user management.	2.1(2)	Chapter 5, “Fabric Manager Web Services”
Performance Manager Enhancements	Supports host-optimized port performance analysis reports.	2.1(2)	Chapter 6, “Performance Manager”
Cisco FabricWare	Supports switches running Cisco FabricWare.	2.1(2)	Appendix C, “Managing Cisco FabricWare”
IVR Enhancements	Supports IVR NAT, IVR auto-topology, and autonomous fabric IDs.	2.1(1a)	Chapter 16, “Inter-VSAN Routing Configuration”
Network-Accelerated Serverless Backup	Offloads data movement to Network-Accelerated Serverless Backup (NASB) devices that use SCSI Xcopy.	2.1(1a)	Chapter 23, “Configuring Intelligent Storage Services”

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Table 1 Documented Features for the Cisco MDS 9000 Family Fabric Manager Configuration Guide (continued)

Feature	Description	Changed in Release	Where Documented
SANTap	Integrates third-party data storage applications into the SAN.	2.1(1a)	Chapter 23, “Configuring Intelligent Storage Services”
Performance Manager Enhancements	Exports Performance Manager reports in comma-separated format. Generates Top10 Reports in Performance Manager.	2.1(1a)	Chapter 33, “Performance Monitoring”
Storage Services Module	Introduces the Storage Services Module or SSM (supported by Device Manager).	2.0(2b)	Chapter 4, “Device Manager”
Fibre Channel Write Acceleration	Minimizes application latency or reduces transactions per second over long distances (supported by Fabric Manager).	2.0(2b)	Chapter 23, “Configuring Intelligent Storage Services”
SCSI Flow Statistics	Collects statistics for configured SCSI flows (supported by Fabric Manager).	2.0(2b)	Chapter 23, “Configuring Intelligent Storage Services”
Fabric Manager Server Enhancements	Supports multiple fabric management, centralized discovery, continuous health monitoring, and roaming user profiles	2.0(1b)	Chapter 2, “Fabric Manager Server”
Fabric Manager Web Services	Performance Manager data, events and inventory information can be viewed remotely through a web browser. Performance baseline thresholds can be defined and monitored; custom report periods can be defined (in addition to day/week/month/year).	2.0(1b)	Chapter 5, “Fabric Manager Web Services”

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Table 1 Documented Features for the Cisco MDS 9000 Family Fabric Manager Configuration Guide (continued)

Feature	Description	Changed in Release	Where Documented
Fabric Manager Enhancements	<p>Displays SANs and multiple fabrics in Fabric pane.</p> <p>View filtering.</p> <p>Rearranged Logical and Physical panes.</p> <p>Detachable tables in Information pane.</p> <p>Persist fabrics for monitoring by Fabric Manager Server.</p> <p>Login screen enhancements include simple versus complex displays, ability to load from the database, ability to sync server to same NIC as client.</p> <p>Enclosures in map bring up customized application when right-clicked.</p> <p>Displays individual, segmented VSAN islands without collapsing into a single VSAN.</p> <p>Enhanced zoning capabilities.</p> <p>AES Support (authentication algorithm).</p> <p>SCSI target IDs are now associated with storage targets.</p> <p>FDMI and name server information is collated for initiators (hosts).</p> <p>Enclosures are global across SANs.</p> <p>FCIP Wizard enhancements include encryption and compression.</p> <p>FICON enhancements include ability to display FICON port numbers on map, and ability to assign FICON ports for FCIP PortChannels.</p> <p>Zoning enhancements include aliases treated as groups; multiple alias types; ability to rename zone sets, zones, and aliases; backup and restore zone database; and enhanced zoning.</p> <p>Release 2.0(1b) feature support, including DPVM Wizard, Cisco Fabric Services, zone-based QoS, IKE/IPsec, port tracking, and DNS.</p>	2.0(1b)	Chapter 3, “Fabric Manager Client”

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Table 1 Documented Features for the Cisco MDS 9000 Family Fabric Manager Configuration Guide (continued)

Feature	Description	Changed in Release	Where Documented
Device Manager Enhancements	<p>MPS 14/2 support.</p> <p>AES support (authentication algorithm).</p> <p>FCIP interfaces displayed in Physical View.</p> <p>Release 2.0(1b) feature support, including auto-trunk, port tracking, DNS, tape acceleration, IPS encryption, Cisco Fabric Services, and DPVM.</p> <p>Gigabit Ethernet TCP statistics.</p> <p>Multicast root.</p> <p>FCID area allocation.</p> <p>Additional (and more accurate) Flash file manipulation capabilities.</p> <p>Ability to read syslog information from FM Server.</p> <p>Summary View enhancements including display of EtherChannel members, which Gigabit Ethernet port is associated with FCIP, and FCIP compression information.</p> <p>Ability to power down a line card.</p>	2.0(1b)	Chapter 4, “Device Manager”
Performance Manager Enhancements	<p>Includes summary and drill down report, Data Collector and Flow Setup wizard enhancements include interpolation, adaptive baseline thresholds, and enhanced collection capabilities</p>	2.0(1b)	Chapter 32, “Network Monitoring”