

New and Changed Information

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Change Summary

The following table summarizes the new and changed information in this document, and provides information about the releases in which each feature is supported.

Note that your software release might not support all the features described in this document. For the latest caveats and feature information, see the Bug Search Tool at https://bst.cloudapps.cisco.com/bugsearch, and the release notes document pertaining to your software release.

Table 1: New and Changed Features

Feature Name	Description	Release	Where Documented
--evaluate-systemload	A new keyword **--evaluate-systemload** is replacing the **--evaluate-npuload** keyword.	9.4(5)	Examples: Using the ShowAnalytics --evaluate-systemload Overlay CLI
SAN Analytics	Added support for SAN Analytics and SAN Telemetry Streaming on MDS 9396V	9.4(2)	Configuring SAN Analytics
SAN Analytics	Added support for SAN Analytics and SAN Telemetry Streaming on the following switches: • MDS 9124V • MDS 9148V	9.4(1)	Configuring SAN Analytics

Feature Name	Description	Release	Where Documented
Reset AMC	Added support for non-disruptive recovery of analytics by resetting the AMC.	9.3(1)	Troubleshooting SAN Analytics
SAN Analytics	Added the Cisco MDS 9700 48-Port 64-Gbps Fibre Channel Switching Module to the list of supported hardware. Some flow metrics were added and some flow metrics were deprecated.	9.2(2)	Appendix
Virtual Machine Identifier (VMID) Analytics	The VMID Analytics feature is introduced to monitor, analyze, identify, and troubleshoot performance issues at VM level.	8.5(1)	Configuring SAN Analytics
SAN Analytics	Added support for Non-Volatile Memory Express (NVMe) analytics type.	8.4(1)	Configuring SAN Analytics
SAN Telemetry Streaming	Updated the *fabric_telemetry.proto* file with NVMe flow metrics.	8.4(1)	Configuring SAN Telemetry Streaming
SAN Analytics Support for Cisco MDS 9396T 32-Gbps 96-Port Fibre Channel Fabric Switch and Cisco MDS 9148T 32-Gbps 48-Port Fibre Channel Fabric Switch	The SAN Analytics and SAN Telemetry Streaming features are supported on the Cisco MDS 9396T 32-Gbps 96-Port Fibre Channel Fabric Switch and Cisco MDS 9148T 32-Gbps 48-Port Fibre Channel Fabric Switch.	8.4(1)	Configuring SAN Analytics
Query Syntax	Added support for sorting metrics and metadata fields in ascending or descending order.	8.3(2)	Configuring SAN Analytics
SAN Telemetry Streaming	Added support for compact Google Protocol Buffers (GPB-Compact) encoding.	8.3(2)	Configuring SAN Telemetry Streaming

Feature Name	Description	Release	Where Documented
SAN Telemetry Streaming	The SAN Telemetry Streaming feature provides the capability to stream analytics and interface statistics to receivers such as Cisco Data Center Network Manager (DCNM).	8.3(1)	Configuring SAN Telemetry Streaming
SAN Analytics Support for Cisco MDS 9132T 32 Gbps 32-Port Fibre Channel Switch	The SAN Analytics and SAN Telemetry Streaming features are supported on the Cisco MDS 9132T 32-Gbps 32-Port Fibre Channel Switch.	8.3(1)	Configuring SAN Analytics
SAN Analytics Support for Cisco N-Port Virtualizer (Cisco NPV) Switch	The SAN Analytics and SAN Telemetry Streaming features are supported on the Cisco MDS 9132T 32-Gbps 32-Port Fibre Channel Switch operating in Cisco NPV mode.	8.3(1)	Configuring SAN Analytics
SAN Analytics Support for Cisco MDS 9700 48-Port 32-Gbps Fibre Channel Switching Module	The SAN Analytics feature is supported on the Cisco MDS 9700 48-Port 32-Gbps Fibre Channel Switching module.	8.2(1)	Configuring SAN Analytics
SAN Analytics	The SAN Analytics feature allows you to monitor, analyze, identify, and troubleshoot performance issues on supported Cisco MDS switches.	8.2(1)	Configuring SAN Analytics