CISCO

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Smart Monitoring and Alerting (SMA) for Cisco MDS 9000 Series Switches

What is Smart Monitoring and Alerting (SMA)

Smart Monitoring and Alerting (SMA) helps monitor and detect important events or conditions in real-time. SMA provides notifications and helps perform the required actions.

SMA feature is a registration-based feature. You can register this feature when you

- receive SMA feature status notification,

- restart the switch, or

- enable or disable the feature.

What are the benefits of SMA

Benefit	Description
Unified Monitoring	Single feature that enables monitoring of all aspects of the switch.
Timely Detection	• Real time continuous monitoring of data streams and system attributes for errors and anomalies in counters. • Only port counters and protocol counters are monitored for unexpected patterns.
Proactive Notification	• Notifications or alerts are sent by SMA whenever an event of interest is detected. • Alerts such as snmp-notification, system logs or OBFL logs.
Ease of Configuration	• Easy to configure the SMA feature by using the building blocks such as the default policy or entity groups.
Maintain System Health	• SMA helps in maintainin the system health by constantly monitoring the switch that enable in timely actions
History of Events	• SMA maintains a history of events and aims to provide an overall system health report.
Customization of priorities and thresholds	• SMA provides flexibility to set custom thresholds, priorities or conditions based on specific requirements. • Define thresholds based on understanding of the system, • Enables tailored monitoring and alerting such as configuring the monitoring for per port.