



Cisco MDS 16G Multilayer Fabric Switch

Versatile, Flexible, and Affordable Solution for Next-Generation SANs

The Cisco® MDS 9396S 16G Multilayer Fabric Switch combines high performance with exceptional flexibility and cost effectiveness. An extension of the Cisco MDS 9148S 16G Multilayer Fabric Switch, it scales from 48 to 96 line-rate 16-Gbps Fibre Channel ports in 12-port increments. Highly versatile and designed for next-generation data center SAN solutions, it delivers advanced storage networking features and functions with simplified management.

- High performance and flexibility at an affordable price
- High availability for mission-critical deployments
- Simplified storage management with sophisticated diagnostics
- Intelligent network services and advanced traffic management
- Comprehensive network security framework

Benefits

- A single switch solution for small SAN deployments
- Easy deployment and management
- High performance and high density
- Flexibility for growth
- Enterprise-class features at an affordable price
- Reliable, end-to-end connectivity
- Compatible with the entire Cisco MDS 9000 Family portfolio

Cisco MDS 9396S



Cisco MDS 9148S



MDS Multilayer Fabric Switch Use Cases

For small and medium-sized businesses, the Cisco MDS 9396S serves as a standalone SAN switch. For large enterprises it complements the top-of-rack Cisco MDS 9148S as a middle-of-row switch. Overall, it's an excellent choice for a standalone SAN in large departmental storage environments.

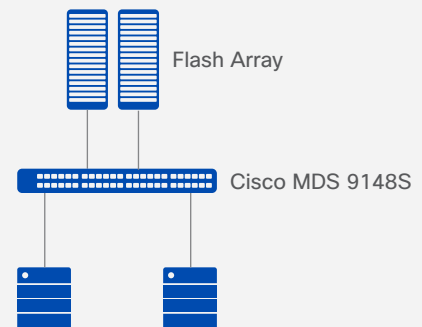
Use Case 1

The Cisco MDS 9148S Used for an SMB Entry-Level SAN

Start with 12-port
16-Gbps Fibre
Channel base

Grow in 12-port
increments from
12 to 48 ports

Two base configurations
available: 12 or 48 ports





Next Steps

- For more information on Cisco MDS 9396S 16G Multilayer Fabric Switch, visit <http://www.cisco.com/c/en/us/products/storage-networking/mds-9396s-16g-multilayer-fabric-switch/index.html>.
- For more information on Cisco MDS 9148S 16G Multilayer Fabric Switch, visit <http://www.cisco.com/c/en/us/products/storage-networking/mds-9148s-16g-multilayer-fabric-switch/index.html>.

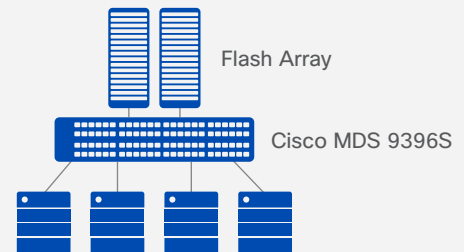
Use Case 2

The Cisco MDS 9396S as a Middle-of-Row or Top-of-Rack Switch in a Commercial midtier SAN

Sweet spot is 60 to 80 ports

Grow in 12-port increments from 48 to 96 ports

Two base configurations available: 48 or 96 ports

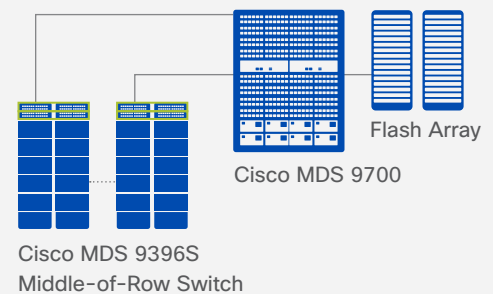


Use Case 3

The Cisco MDS 9396S as an Edge Switch in an Enterprise Private Cloud SAN

Deploy Cisco MDS 9396S across two racks as an MoR switch: connect to end-of-row Cisco MDS 9700 Multilayer Director

Deploy in N-Port Virtualization (NPV) mode to reduce the number of managed switches



Built for High Performance and High Availability

The Cisco MDS 9396S delivers high performance, high density, pay-as-you-grow flexibility, and scale – all at a compelling value. It features:

- Up to 96 autosensing Fibre Channel ports
- Speeds up to 16 Gbps
- Power On Auto Provisioning (POAP) and intelligent diagnostics
- In Service Software Upgrade (ISSU)
- Dual redundant hot-swappable power supplies for high availability
- Role-based authentication, authorization, and accounting services to support regulatory requirements
- High-performance interswitch links with multipath load balancing
- Smart zoning and virtual output queuing
- Hardware-based slow-port detection and recovery