

Cisco MDS 9000 Storage Services Enabler Package

Package Description

When used with the Cisco® MDS 9000 Storage Services Module (SSM) the Cisco MDS 9000 Storage Services Enabler (SSE) package provides the underlying infrastructure and programmatic interface to enable intelligent fabric applications. Without the SSE package, the SSM can be used for normal Fibre Channel storage-area-network (SAN) switching. The SSE package enables the following features:

- **Network-hosted storage applications:** An SSM within the Cisco MDS 9500 multilayer directors and Cisco MDS 9200 Series multilayer fabric switches enables network-hosted storage applications. The SSE package enables the SSM to host network-hosted storage applications by enabling the Intelligent Storage Application Programmatic Interface. The SSM intends to host the following applications; they require the SSE package to enable the SSM to host the storage applications:
 - **EMC INVISTA®:** In order for a licensed version of EMC's Invista® to run on an SSM, the SSE package must be installed on the SSM. Without the SSE package, the 32-port SSM provides only basic Fibre Channel switching functions.
 - **Incipient Network Storage Platform:** In order for a licensed version of Incipient's Network Storage Platform to run on an SSM, the SSE package must be installed on the SSM. Without the SSE package, the 32-port SSM provides only basic Fibre Channel switching functions.
- **Network-assisted storage applications (SANTap):** An SSM within the Cisco MDS 9500 multilayer directors and Cisco MDS 9200 Series multilayer fabric switches enables SANTap-enabled storage applications. The SSE package enables the SSM to interface with storage applications by enabling the SANTap interface. SANTap intends to integrate with the following storage applications; they require the SSE package to enable the SSM to interface with the applications.
 - **EMC Alacritus:** In order for a licensed version of Alacritus' Chronospan to interface with an SSM, the SSE package must be installed on the SSM. Without the SSE package, the 32-port Storage Services Module only provides only basic Fibre Channel switching functions.
 - **EMC RecoverPoint KBX5000:** In order for a licensed version of EMC RecoverPoint's KBX5000 to interface with an SSM, the SSE package must be installed on the SSM. Without the SSE package, the 32-port SSM provides only basic Fibre Channel switching functions.
 - **NetApp ReplicatorX TDPS Fabric Edition:** In order for a licensed version of NetApp ReplicatorX's TDPS Fabric Edition to interface with an SSM, the SSE package must be installed on the SSM. Without the SSE package, the 32-port SSM provides only basic Fibre Channel switching functions.
 - **Xiotech TimeScale™ Replication Appliance:** In order for a licensed version of Xiotech's TimeScale™ Replication Appliance to interface with an SSM, the SSE package

must be installed on the SSM. Without the SSE package, the 32-port SSM provides only basic Fibre Channel switching functions.

- **Network-accelerated serverless backup:** An SSM within the Cisco MDS 9500 multilayer directors and Cisco MDS 9200 Series multilayer fabric switches enables network-accelerated serverless backup applications. The SSE package enables the SSM to interface with backup applications by enabling the network-accelerated serverless backup interface. In order for a licensed version of backup software to interface with the network-accelerated serverless backup engines in an SSM, the SSE package must be installed on the SSM. Without the SSE package, the 32-port SSM provides basic switching function.

The Cisco MDS 9000 SSE package can be used with Cisco MDS 9500 multilayer directors and Cisco MDS 9200 Series multilayer fabric switches.

Software Release

To use the Cisco SSE package, Cisco SAN-OS 1.3(5) or later must be installed on the Cisco MDS switch.

License Information

This package is licensed on a per-module basis. The number of licenses that a customer needs to purchase is equal to the number of SSMs on which the intelligent fabric application feature is used.

Ordering Information

The product identification numbers associated with this package follow:

- **M9500SSE1K9=:** Spare for part number M9500SSE1K9
- **M9200SSE1K9=:** Spare for part number M9200SSE1K9

Caveats

The Enterprise Package is required for enabling Fibre Channel Write Acceleration (FC-WA) on the SSM. The SSE package does not enable FC-WA.

Additional References

For more information, refer to the Cisco SAN-OS data sheet at

http://www.cisco.com/en/US/products/hw/ps4159/ps4358/products_data_sheets_list.html.



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