



# 120-Day Free Trial: MDS 9000 Family Software Products

At-A-Glance

All MDS 9000 directors and switches ship with built-in 120 day trial licenses, which temporarily enable advanced features and intelligent storage applications.

## How do I turn on a trial license?

### STEP 1:

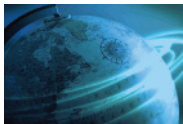






By default each licensed feature has a 120 day trial license period. You can make sure the grace period has not expired by running the command "show license usage"

### STEP 2:

Turning on the grace period of the license is as simple as using the feature. There is no specific command to turn on the trial license. Once you start using a licensed feature or enable a licensed feature or start configuring a licensed feature, NX-OS will start the clock on the 120 day trial usage period for that feature.

NX-OS will turn on the default 120 day period.



Intelligent Fabric Applications	Description	Features
<b>Enterprise License Package</b> 	Cisco MDS 9000 Family Enterprise package includes advanced traffic engineering and advanced security features for enterprise SANs.	Includes advanced traffic management (Inter-VSAN Routing, QoS, Extended Credits) and security features (Switch-Switch and Host-Switch authentication, LUN Zoning, Read-Only Zones, Port Security, VSAN Based Access Control, IPsec for iSCSI and FCIP), IKE Digital Certificates, and Fabric Binding for Fibre Channel.
<b>SAN Extension over IP</b> 	Cisco MDS 9000 Family SAN Extension over IP package provides an integrated, cost-effective, and reliable business continuance solution that uses the existing IP infrastructure.	FCIP Protocol Support, FCIP Compression, Inter-VSAN Routing for FCIP, FCIP Write Acceleration, FCIP Read/Write Tape Acceleration, SAN Extension Tuner.
<b>Storage Media Encryption (SME)</b> 	The Cisco Storage Media Encryption feature for Cisco MDS 9000 family switches encrypts data at rest on heterogeneous tape devices and virtual tape libraries.	Securely encrypts data at rest on heterogeneous tape drives and virtual tape libraries, integrates seamlessly into SAN as a transparent fabric service, requires no SAN rewiring or reconfiguration, offers high availability with clustering and fail-over capabilities, provides comprehensive key management with integration to enterprise key managers, sure role-based managed using CLI and Cisco Fabric Manager.
<b>Data Mobility Manager (DMM)</b> 	This license is required to enable Cisco's MDS-based data migration feature. Customers can use this feature for their data mobility needs across heterogeneous storage arrays.	Transparent insertion of service—MDS customers can turn on this service and proceed to move data from one Array to another without any disruption to Host Applications. Other capabilities include ability to schedule the cutover to the new array (point at which old array is phased out) and rate control of administrative traffic. DMM also supports migration across large geographical distances and the ability to migrate across unequal LUN sizes.
<b>Mainframe Package</b> 	This package includes features required in mainframe environments. FICON, an architecture for high-speed connectivity between mainframe and I/O devices, is supported in Software version 1.3(4a) or later.	VSAN for FICON and FCP inter-mixing, FICON Control Unit Protocol (CUP), Fabric Binding, Switch Cascading, IBM TotalStorage Virtual Tape Server, IBM TotalStorage Extended Remote Copy (XRC), FICON Native Mode and Native Mode Channel-to-Channel Operation, Persistent FICON FCID assignment, Port Swapping for host channel cable connectors, and FICON Tape Acceleration.
<b>Fabric Manager Server (FMS)</b> 	Cisco Fabric Manager Server (FMS) package extends the features and functionality in Cisco Fabric Manager by providing historical performance monitoring for network traffic hot-spot analysis, centralized management services, and advanced application integration.	Fibre Channel Statistics Monitoring, Reporting and Graphing, Intelligent Setup, Performance Database, Management Server, Multiple Fabric Management, Continuous Health and event monitoring, Common discovery, roaming user profiles, Cisco traffic analyzer integration, Performance Threshold, Web Client, FMS Proxy Services, Data collection auto-update; Customized analytics, performance charts, and reporting; and filtering by user defined groups.
<b>Storage Services Enabler (SSE)</b> 	Cisco MDS 9000 Storage Services Enabler (SSE) package provides the underlying infrastructure and programmatic interface to enable intelligent fabric applications.	Network-hosted storage applications (such as storage virtualization for heterogeneous volume management, non-disruptive data migration, and heterogeneous data replication and snapshots) with FAIS-based Intelligent Storage API, SANTap Protocol for network-assisted storage applications, and Secure Erase.