

Overview

The Cisco SANTap application is an Intelligent Storage Services feature. This application is supported on the Storage Services Module (SSM), MDS 9222i Multiservice Modular Switch, and MDS 9000 18/4-Port Multiservice Module (MSM-18/4). The Storage Services Module (SSM) supports SANTap in Cisco MDS SAN-OS Release 3.0(2a) or higher, and in Cisco NX-OS Release 4.1(1b) or higher.

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About RecoverPoint with SANTap

EMC RecoverPoint offers a single product solution for local data protection, remote replication, and disaster recovery. Based on scalable out-of-band appliances that leverage intelligent write-splitting, EMC RecoverPoint delivers Continuous Data Protection (CDP), Continuous Remote Replication (CRR), and Concurrent Local and Remote (CLR) data protection of the same data with recovery to any point in time.

The Cisco MDS 9000 SANTap service is part of the intelligent fabric applications offered by the Cisco MDS 9000 Family. SANTap allows the deployment of EMC RecoverPoint on Cisco MDS 9000 Family switches. The SANTap service functions as a network splitter (by replicating write I/Os to the RecoverPoint appliance).

EMC RecoverPoint with Cisco SANTap provides protection of heterogeneous storage without compromising the integrity, availability, and performance of the I/Os between the host and primary target.

New Platform Availability

The RecoverPoint with SANTap solution was initially supported only on the Cisco MDS 9000 Storage Services Module (SSM). Starting with NX-OS Release 4.1(1i) and RecoverPoint 3.1.1, two new platforms can be used to deploy the solution: MDS 9000 18/4-Port Multiservice Module (MSM-18/4) and MDS 9222i Multiservice Modular Switch. The solution can now be deployed on the following platforms:

- MDS 9000 Storage Services Module (SSM) — The SSM is a Generation 1 module that has 32 2-Gbps Fibre Channel switching ports.

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- MDS 9000 18/4-Port Multiservice Module (MSM-18/4) — The MSM-18/4 is a Generation 2 module with 18 4-Gbps Fibre Channel switching ports and 4 Gigabit Ethernet IP storage services ports.
- MDS 9222i Multiservice Modular Switch — The MDS 9222i switch is a Generation 2 fabric switch offering 18 4-Gbps Fibre Channel ports and 4 Gigabit Ethernet IP storage services ports, and an expansion slot to host Cisco switching and services modules. Slot 1 of the MDS 9222i switch has a nonremovable supervisor module with and integrated MSM-18/4.

Migrating to New Platforms

RecoverPoint with SANTap was previously deployed using the SSM module. With the introduction of the new platforms, if you already are running SANTap, you can migrate to the new Generation 2 MSM-18/4 or MDS 9222i switch.

Migration Requirements

[Table 1-1](#) lists the product evaluation requirements for migrating from the RecoverPoint environment to the new Cisco platform.

Table 1-1 Product Evaluation Requirements

Product Evaluation Requirement	Description
Cisco SANTap with EMC RecoverPoint	<ul style="list-style-type: none"> • Migrate with minimal impact from currently provisioned SANTap environment running on an SSM to the following hardware: <ul style="list-style-type: none"> – MSM-18/4 — Same slot in the same chassis – MSM-18/4 — Different slot in the same chassis – Base MDS 9222i switch— Same chassis – Chassis to chassis (SSM to MSM-18/4 or MDS 9222i switch)