

Storage Concentrator Virtual Machine (SCVM™)

Consolidate Mission Critical Servers & Storage Into One Appliance



StoneFly SCVM™ (Storage Concentrator Virtual Machine)

The StoneFly SCVM Virtual IP SAN Software Appliance creates a virtual IPSAN using the existing resources of your virtual server. It is a Virtual IP SAN appliance Software for VMWare environments. It provides an advanced, fully featured iSCSI SAN/Storage within a VMWare Virtual Machine. You do not need another box for your storage. Create an iSCSI Virtual SAN Appliance along with your Server Virtual Machines within the same Hardware platform. Increase your productivity, simplify your management, and reduce your power and rack space by simply loading an SCVM in a Virtual Machine.

By creating a StoneFly iSCSI Target within a VMWare Virtual Server, StoneFly customers may reallocate existing hardware resources to create business continuity and disaster recovery solution. Using StoneFly synchronous mirroring within the datacenter and distributed campus, or using asynchronous mirroring (replication) between remote facilities, enables StoneFly customers to have an instantaneous recovery, and eliminate loss of access to storage during disasters.

This tool enables our customers to lower operational datacenter costs plus provide a quick RTO (Return to Operation) in the event of a local site failure. In essence the SCVM™ is giving our customers the ability to create their own "DR Site in a box".

If you are looking for all the functionality of an IPSAN, but lack of budget and space holding you off from buying an external SAN, StoneFly SCVM is the product you want.

These SCVMs can be clustered together to transform your existing server storage into a clustered storage system that is managed as a single SAN. This allows you to use all VMWare ESX advanced features that need shared storage. You can use SCVM to provide storage to multiple servers without disruption and you can also increase the storage as needed.

Installed easily on any VMWare ESX or ESXi server, the SCVM gives the consolidation of server and storage into one platform resulting in saving in space, power, cooling and overall management.



StoneFly SCVM™ For Remote Replication & Business Continuity

SCVM Usages:

- As a primary IP SAN Storage
- As a secondary Storage
- As a target for local mirroring/replication
- As a target for remote mirroring/replication
- As a backend storage for an archive appliance
- As a backend storage for a security appliance
- As a backend storage for a cloud appliance
- As a backend storage for a De-dup appliance

Features and benefits of SCVM as an IP SAN:

- Gain the benefits of an IP SAN without requiring a physical SAN infrastructure
- Installs easily on any VMware ESX or ESXi server with few system requirements
- Provides shared storage for VMware ESX environments leveraging your server's current disk storage
- Provides the best in class iSCSI provisioning storage appliance
- Thin Provisioning with Space Reclamation
- Advanced Copy-on-write, delta based Snapshot technology with:
 - Read/Write snapshots
 - Scheduling and Rollback
 - Stonefly VSS agents
- Scalable without disruption
- Offers cost effective disaster recovery using physical SAN replication to virtual SAN
- Synchronous, Campus or Asynchronous mirroring with delta transfer and schedules
- Comprehensive performance reporting and statistics
- Multi-thread block level access to storage
- Web based Intuitive User Interface
- Multi-SCVM management
- No downtime volume or storage expansion
- No capacity limits
- Easy to deploy and use
- Fully integrated with the Stonefly IPSAN appliances
- US patent #s: 7,302,500; 7,555,586; 7,558,885

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