Vi-5990A *Virtual Tape Appliance*

The Vi-5990A Virtual Tape Appliance for mainframes provides an excellent combination of price, performance and scalability. The Vi-5990A is focused on providing centralized management for local and remote tape resources that enables enterprise-wide data management and security strategies for backup and archiving.

Vi-5990A Features

- Supports multiple operating systems

- No JCL changes

- Replication
  - Synchronous and Asynchronous

- Up to 4 FICON channels per Appliance
  - 8Gb and 16Gb data rates

- Up to 16,384 logical paths

- Fully compatible with SMS and HSM

- Eliminates recurring maintenance costs of tape libraries & drives

- Significant reduction in datacenter floor space, electrical usage and HVAC requirements

Virtual Tape Technology

The Vi-5990A Virtual Tape Appliance transparently appears to the mainframe applications as standard 3490/3590 tape drives. The Vi-5990A is a Virtual Tape Appliance with up to 42TB of internal Storage or up to 10 PB of external storage when used with the VI-7755 Mainframe storage array.

The Vi-5990A Appliance emulates 256 virtual tape drives simultaneously while providing up to 16,384 paths to the virtual drives. Vi-5990A is fully compatible with SMS and HSM.
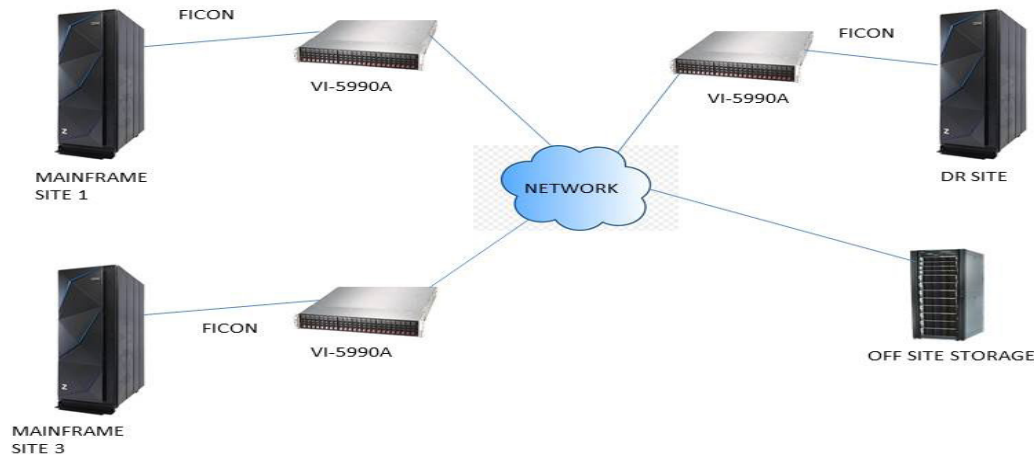
Configuration

A web-based graphical user interface (GUI) is provided to configure and monitor the Vi-5990A. The GUI can be used to access information such as the current system status and resource usage statistics. This interface has been designed to make more efficient use of a storage administrator's time in configuring and managing the Vi-5990A while also helping reduce the time needed to train new administrators. All status panels are color coded for simple ease of use and determining the current operating status of the Vi-5990A. Establishing libraries/pools as well as configuring paths to the drives is made simple and easy with this intuitive interface. The Vi-5990A is defined as a MTL to SMS.

Migration

To ease migration the Vi-5990A will work together with any of the following: Z/OS, OS/390 tape management applications, CA-1, ZARA & RMM. Importantly there is no need to make any changes on the mainframe or the applications to access the Vi-5990A; all popular VSE tape management systems are also supported. The Vi-5990A can be installed along side existing tape systems and implemented at your own pace without the need to do a complete conversion.

DR and Replication

The VI-5990A replicates data using secure SSL transmission. Data can be replicated to multiple sites if necessary assuring that multiple copies can be maintained. Replication can be scheduled to automatically run at specified times. Additionally, the VI-5990A supports parallel replication which allows the data to be sent to multiple sites simultanously while automatically adjusting the number of replication jobs running to fill up the available bandwith for efficient utilization of the available communications resources.

Vi-5990A Appliance System Specifications

Supported Operating Systems
- IBM Z/OS, Z/MVS, Z/VM, Z/VSE, OS/390

Connectivity
- Up to 4 FICON channels
  - 8Gb and 16Gb data rates
- Up to 16,384 virtual paths

Virtual Tape System
- 256 virtual tape drives emulating 3480/3490/3590 drives
- Any size Virtual volumes
- RAID redundancy

Tape Management
- Support for most tape systems including: CA-1, ZARA & RMM. For VSE: Dynam-T and EPIC are supported but not required

Real Tape and Library Support
- Compatible with Open System Tape libraries through an Open System Backup server

Vi-5990A Appliance Physical Specifications

Base Chassis
- 19" Rack mount, 2U Height, 25.5" Depth, Weight 65 lbs

Power Supply
- Redundant hot swappable

System Cooling
- Multiple hot swappable Fans

AC Power
- 110-240V, 50-60Hz, 10-4A