

Sentriion MPVTM

High-Performance Virtual Message Processor

Overview

The Sentriion Virtual Message Processor (MPV) is a VMware-based version of the Sendmail high-performance Sentriion MP messaging security appliance. With Sentriion MPV, organizations get all of the benefits of Sentriion MP secure messaging capabilities plus the additional benefits of a virtual appliance. Sentriion appliances provide:

- **Gateway Management:** Bi-directional message encryption and sophisticated connection controls prior to inbound processing
- **Email Authentication:** Authenticates all incoming messages and digitally signs all outgoing messages with DomainKeys Identified Mail (DKIM) and other authentication mechanisms that authenticate email senders
- **Inbound Message Processing:** Spam, virus, and malware protection after Gateway processing
- **Outbound Data Leak Prevention:** Highly accurate, in-line content monitoring and enforcement to prevent data loss and compliance breaches
- **Intra-company Message Management:** Enforces acceptable use policies. Front-ends and protects Microsoft Exchange environments
- **Email Backbone Infrastructure:** Enables efficient cloud/on-premises hybrid architectures

See the Sentriion MP datasheet for additional information on Sentriion Appliances

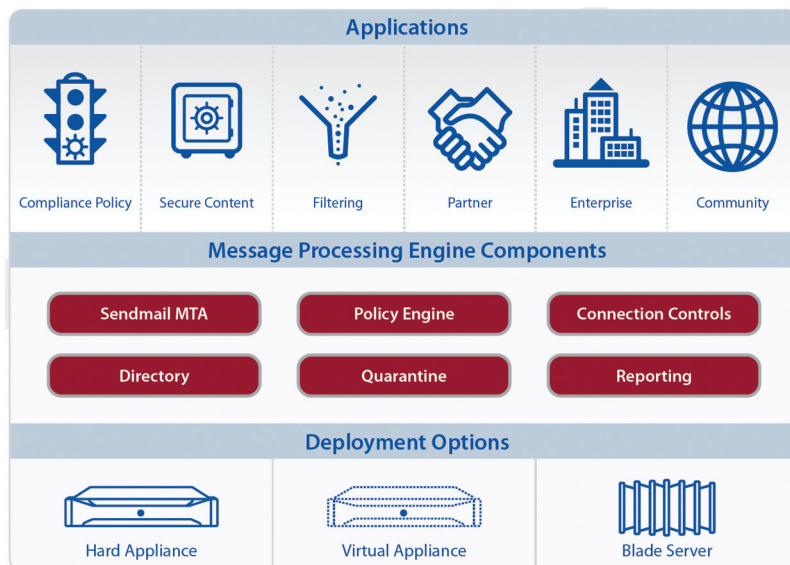
Sentriion Benefits

- Accuracy and protection where 80% of violations occur
- Platform architecture gives proven high ROI
- Platform for future growth and integration with messaging infrastructure
- Immediate policy enforcement with compliance applications

Sentriion Message Processors

- External Protection/Gateway Management
- Inbound Message Processing
- Internal Policy and Routing
- Outbound Data Leak Prevention
- Intra-company Groupware Routing and Policy Enforcement
- SMTP Backbone for Hybrid Architectures

Sentriion Architecture



Sentriion MPV System Requirements

Host

The following host machine minimum requirements must be met for running a Sentriion MPV instance in a production environment:

- VMware ESX 3.0.2 or later
- Virtualization support enabled
- Adaptive power management disabled
- Dual-core Xeon 64-bit processors at 2.66 GHz
- 6 GB/533 MHz RAM required to run one Sentriion MPV instance on VMware ESX
- Local RAID-based storage, 20 GB available disk capacity per instance
- Two 100/1000M NIC ports; one for ESX administration and one for use by the guests instances

Sendmail recommends the following specification enhancements for host systems running three or more Sentriion MPV instances in a production environment:

- VMware ESX 3.5 or later
- Two quad-core processors at 3.0 GHz (eight cores total)
- 16 GB/667 MHz RAM
- SAN storage (such as iSCSI or Fibre Channel) for use with ESX's VMotion
- Four 100/1000M NIC ports, allowing a dedicated ESX administration port and three addressable ports for the virtual machines

Guest

The following minimum resources must be allocated to each Sentriion MPV instance:

- Single Virtual CPU
- 3 GB RAM

- 20 GB drive space (requires adjusting disks, see Installing the MPV Distribution). Additional 16 GB per snapshot, if snapshots are to be used. (Snapshots function is discouraged for production server use, but is acceptable for non-production testing.)
- Two 100/1000M full-duplex NIC ports. Primary NIC is required and should be configured as “bridged.” Second NIC is required, but does not need to be connected.

The following additional resources are recommended for each Sentrion MPV instance:

- Two Virtual CPUs
- At least 4 GB RAM

Sendmail ships the following default VMware configuration:

- Two Virtual CPUs
- 3072 MB (3 GB) of RAM
- Four Ethernet NICs
- USB enabled (where available)
- CD-ROM drive attached to the included MPV.iso boot image
- Two LSI Logic SCSI drives set to grow as needed with 3 GB split files
- 25 GB root (/) drive; 50 GB data (/var) drive.

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