

# Sentrion MPV™

High-Performance Virtual Message Processor

## OVERVIEW

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

Sentrion 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

*See the Sentrion MP datasheet for additional information on Sentrion Appliances*

## VIRTUAL APPLIANCE BENEFITS

- Complete Sentrion Message Processing Engine in a "Virtual Machine"
- Ideal for "green data centers"
- Reduces power consumption
- Provides higher utilization rate per/server
- Increases operational efficiency
- Lowers total cost of ownership of servers
- Runs on existing X86 hardware

## SENTRION BENEFITS

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



## SENTRION MPV SYSTEM REQUIREMENTS

### HOST

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

Host Minimum System Requirements
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 Sentrion 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 guest instances

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

Recommended Host System Requirements
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 Sentrion MPV instance:

Guest Minimum System Requirements
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:

Recommended Guest System Requirements
Two Virtual CPUs
At least 4 GB RAM

Sendmail ships the following default VMware configuration:

Default Guest Recommendations
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.

## ABOUT SENDMAIL

Sendmail is the leading global provider of trusted messaging. With 25 years of leadership delivering innovative messaging technology, Sendmail ensures the protection and trust of employee and customer communications. Sendmail technology, driven by the industry's most powerful and flexible policy engine, provides protection where 80% of security and compliance violations occur - within inbound and outbound messaging. Large enterprises in 33 countries, and the majority of the Fortune 1000 trust Sendmail to shield users from unwanted messages, defend the messaging infrastructure, stop data and privacy leaks and effectively manage messaging to maintain brand and shareholder value and support regulatory compliance. Sendmail is headquartered in Emeryville, CA with offices and distributors in Europe, Asia and North America.

## CONTACT US

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