

Mirapoint Message Server



M450, M4500s, M4500N, M4500



Integrated, secure and feature-rich email.

- Proven to process millions of messages per day
- Maintain 99.999% uptime combined with world-class performance
- Block 96% of spam with near-zero false positives
- Low TCO and server consolidation advantages
- Employs a hardened operating system with no known exploits

The Challenge

The complexity of providing email service has dramatically increased. Now, in addition to routing, storing and managing millions of messages, network administrators must offer advanced services such as group calendaring, address book, web and wireless access, as well as secure the network from viruses, spam and hacker attacks.

The Mirapoint Solution

The Mirapoint Message Server is a solid foundation for any size message network, providing Internet standards-based message routing, storage, management and multi-mode client access—with the industry's best price-performance and the scalability to handle the most demanding messaging environments. In addition, the Mirapoint appliance offers advanced messaging-based services such as webmail, group calendaring and address book services. For large, multi-tier deployments, the Mirapoint Message Server easily and seamlessly integrates with the Mirapoint Message Director™ and the Mirapoint Directory Server™ appliances.

Features

Hardened Operating System: The Mirapoint Message Server employs the Mirapoint Messaging Operating System™ (MOS) that is specially optimized for performance and reliability—hardened to eliminate the vulnerabilities of general-purpose operating systems and protect against hacker attacks.

Highest Performing Messaging Server:

The Mirapoint Message Server delivers the industry's highest SPECmail (Standard Performance Evaluation Corporation) performance, outstanding storage capacity, and hardware redundancy for reliability.

Built On Industry Standards: The Mirapoint Message Server delivers built-in support for industry-standard protocols, including Post Office Protocol (POP3), Internet Message Access Protocol (IMAP4), HyperText Transfer Protocol (HTTP), Simple Mail Transfer Protocol (SMTP) and Lightweight Directory Access Protocol (LDAP). This allows easy integration with any client device, including Outlook, Wireless Application Protocol (WAP), Short Messaging Service (SMS), and other popular mail access methods.

99.999% Proven Availability: The Mirapoint Message Server supports Redundant Array of Inexpensive Disks (RAID) for dependable data backup and storage with no single points of failure. In fact, the Mirapoint Message Server has proven 99.999% availability, based on the actual monitoring of hundreds of deployed Mirapoint systems.

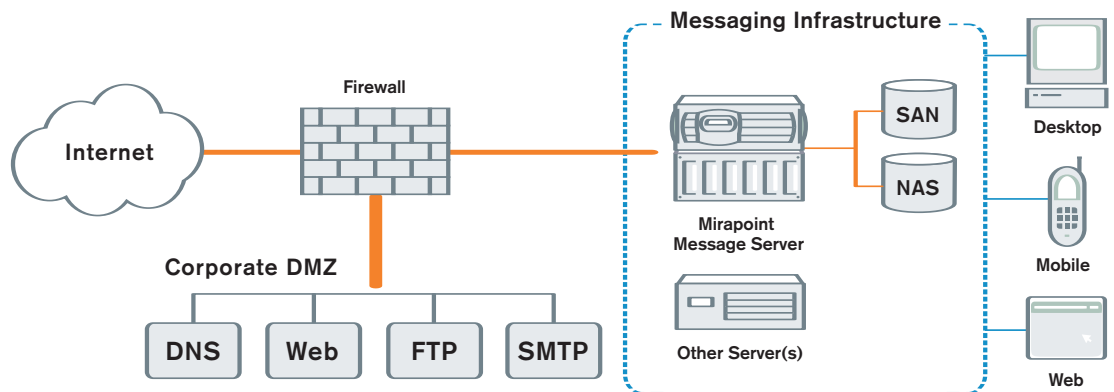
Support for External Storage: To easily expand storage capacity, the Mirapoint architecture supports external Network Attached Storage (NAS) and Storage Area Networks (SAN).

Security By Design: The unique self-contained appliance helps prevent intrusions and stops outsiders from executing commands on the message infrastructure, with additional layers of protection provided by secure protocols such as Secure Sockets Layer (SSL), Secure Shell (SSH-level) support, and Kerberos.

For more information, visit www.mirapoint.com. And put the power of Mirapoint to work for you.

Mirapoint Message Server

The Message Server is built for service delivery for all of your messaging needs.



MIRAPPOINT	M450	M4500 SERVICE DISK SHELVES	M4500
SPECIFICATIONS			
Processor	2.80 GHz Intel® Xeon™ Processor	600 MHz Intel® StrongArm	Dual 2.80 GHz Intel® Xeon™ Processors
Memory	1 GB ECC DDR SDRAM	32 MB Processor memory, 256 MB cache memory	2 GB ECC DDR SDRAM
Networking	10/100/1000 gigabit ethernet port, 10/100 fast ethernet port. Additional gigabit ports optional.	N/A	10/100/1000 gigabit ethernet port, 10/100 fast ethernet port). Additional gigabit ports optional.
Storage Capacity	10K RPM Ultra160 SCSI hard drives: 53 GB of available MessageBase (2 RAID-1 drives plus 1 hot spare) 113 GB of available MessageBase (4 RAID-1 drives plus 1 hot spare)	360 GB system consisting of 6 drive RAID-10 with 1 hot spare in one 14 slot storage or 770 GB system consisting of 13 drive RAID-10 with 1 hot spare in one 14 slot storage	External fibre channel (FC-AL) RAID subsystem with up to 770 GB of available MessageBase
Storage Interface	Ultra160 SCSI RAID controller with 64 MB cache and battery backup	Fiber channel RAID adapter controller with 256 MB cache and battery backup. Dual independent fibre channel interfaces in Mirapoint failover cluster	2 Gb/sec optical fibre-channel host bus adapter interface to M4500 disk shelves
Redundancy	4 redundant hot-swap cooling fans, 2 redundant hot-swap auto ranging power supplies, hot spare SCSI disk drive	2 RAID controllers (standard failover cluster configurations), 2 loop resiliency and SES modules, RAID disk drives, 2 redundant hot swap cooling fans, 2 redundant hot swap auto ranging power supplies	Mirapoint failover cluster operation, 4 redundant hot-swap cooling fans, 2 redundant hot-swap auto ranging power supplies, RAID fibre-channel disk drives with hot spare
Backup Interface	U320 SCSI Interface (LVD)	Provided by Mirapoint host system	U320 SCSI Interface (LVD)
PHYSICAL			
Form Factor	3U; 19" rack-mountable unit size (U)	3U; 19" rack-mountable unit size (U)	3U; 19" rack-mountable unit size (U)
POWER			
Power Unit Connection/ Requirements	Dual IEC 320/ 90 to 132 VAC, 200 to 264 VAC	Dual IEC 320/ 85 to 264 VAC	Dual IEC 320/ 90 to 132 VAC, 200 to 264 VAC
INTERNATIONAL/AGENCY APPROVALS			
Product Safety	CSA, Canada /USA	CSA, Canada UL, USA TUV-GS, Germany PSB, Singapore CCIB, China	CSA, Canada, USA
EMC (Electromagnetic Compatibility)	FCC-part 15, USA; VCCI-A, Japan; BSMI, Taiwan; C-Tick, Australia; CE, Europe	FCC-part 15, USA; VCCI-A, Japan; BCIQ, Taiwan; C-Tick, Australia; CE, Europe	FCC-part 15, USA; VCCI-A, Japan; BSMI, Taiwan; C-Tick, Australia; CE, Europe
WARRANTY	Hardware: 1 year warranty Software: 90 day warranty include email only support and updates Support: Annual contracts offered for 9X5 or 24X7 support including software updates		
ALTERNATIVES			
	M4500s	M4500n	
SPECIFICATIONS			
External Storage	Popular 3rd party SAN products from HP and others	NetApp 7 series	
Local Storage Capacity	10K RPM Ultra320 SCSI hard drives with 53 GB (2 RAID-1 drives plus 1 hot spare)		
Local Storage Interface	Ultra320 high Performance SCSI Host controller		
External Storage Interface	2 Gb/sec optical fibre-channel host bus adapter interfaces to M4500 series disk shelves	Two ethernet connections (RJ45) standard (one 10/100/1000 Gb ethernet port, one 10/100 fast ethernet port). Additional Gb ethernet ports optional.	