

MXtreme – Security Appliance Technology

Setting the Benchmark for Email Security

Corporate mail administrators are responsible for content filtration, anti-spam, anti-virus, MTA (Mail Transfer Agent) security and scalability, as well as reporting on email usage. Since point solutions used to administer each of these functions run on separate servers and have their own operating system, management, and software update requirements, the potential for failure is high.

Making matters worse, existing MTA's and mail gateways like Sendmail, and Qmail are not keeping up with increasing email loads. As of July 2004, spam now represents up to 80% of inbound corporate mail traffic, a 300% growth rate over the previous six months. The bottom line with this scenario is that an organization's existing email infrastructure is not up to task. Enterprises ultimately require a robust, scalable and secure MTA replacement.

MXtreme Mail Firewall provides advanced security for your email infrastructure. It is the only Certified Secure™ mail firewall to obtain the Common Criteria EAL4+ security certification – the security certification demanded by the US Department of Defense, the US Department of Homeland Security, NATO and 16 other first-world nations.

BorderWare Understands Email Security

BorderWare has been securing organizations for over 10 years. BorderWare's MXtreme Mail Firewall is more than an anti-spam, content filter, and anti-virus filter – it is an enterprise-class MTA and mail firewall that provides the most comprehensive protection.

S-Core™ OS and Optimized MTA

MXtreme is based on S-Core™ OS, which is designed to protect the MTA and your vulnerable email servers from attack. The S-Core™ OS was originally developed for the BorderWare Firewall Server and is being used today by over 5,000 Global 2000 and sensitive military installations.

MXtreme's optimized MTA manages and filters your corporate email flows. It defends against malicious SMTP commands, malformed messages, denial-of-service attacks, buffer overflows, and a range of threats that would otherwise affect your central email servers directly. With support for thousands of concurrent connections and email flows in excess of 100,000 messages per hour, MXtreme supports the most demanding environments and provides the scalability enterprises require.

MXtreme's powerful, centralized and tiered administration capabilities enable you to control your entire email infrastructure for all users globally – by domain, user-group or individual – from a single, secure, web-based interface.

MXtreme is designed to meet the needs of every organization and is available in four models:

MXtreme MX-1000

The MXtreme MX-1000 is deployed in some of the largest enterprises in the world. A single MX-1000 can sustain throughputs of over 100,000 messages per hour with all security and content filters active. The MX-1000 provides complete hardware redundancy with optional "Stateful Failover" and queue replication and, the MX-1000 can be clustered to increase throughput or to support additional users.

MXtreme MX-800

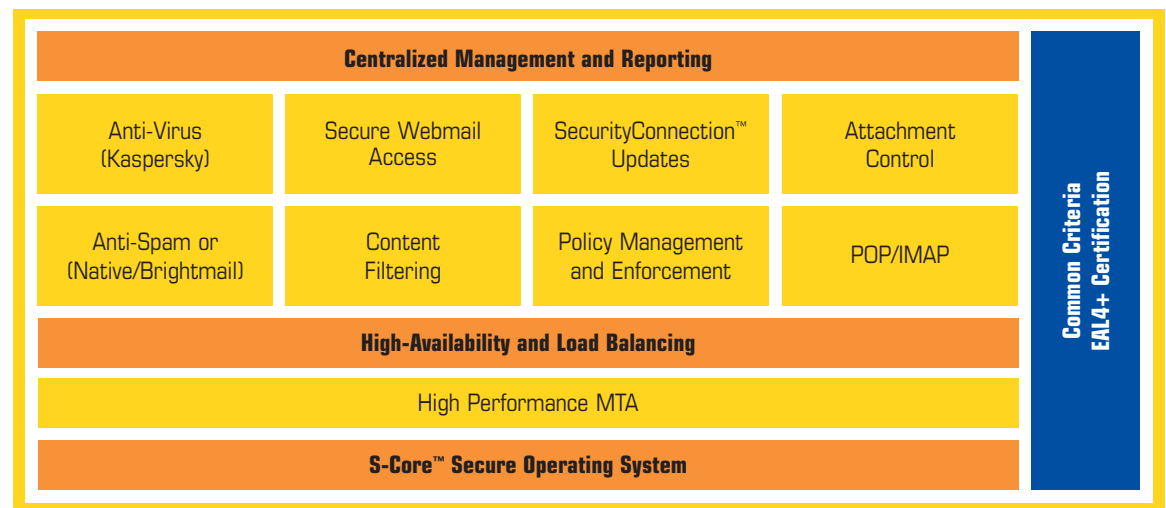
The MXtreme MX-800 is deployed in numerous large enterprises globally. A single MX-800 can sustain throughputs of over 50,000 messages per hour with all security and content filters active. The MX-800 provides complete hardware redundancy with optional "Stateful Failover" and queue replication and can be clustered to increase throughput or support additional users.

MXtreme MX-400

The MXtreme MX-400 is deployed in numerous mid-sized organizations globally. A single MX-400 can sustain throughputs of over 25,000 messages per hour with all security and content filters active. Plus, the MX-400 can be clustered to increase throughput or support additional users.

MXtreme MX-200

The MXtreme MX-200 is designed to meet the mail security needs of small businesses or departments within a larger organization. A single MX-200 can sustain throughputs of over 12,000 messages per hour with all security and content filters active. The MX-200 can also be clustered to increase throughput or to support additional users.



Implementation Methodology



SPECIFICATIONS	MX-200	MX-400	MX-800	MX-1000
Performance* Per Hour	10,000 Messages Per Hour	25,000 Messages Per Hour	50,000 Messages Per Hour	100,000 Messages Per Hour
System				
Form Factor	1 U Rackmount	1 U Rackmount	2 U Rackmount	2 U Rackmount
Dimensions	11"x1.75"x8"	16.7"x1.7"x25.7"	16.7"x3.5"x25.7"	16.7"x3.5"x25.7"
Processor	Intel P4 2GHz	Intel Xeon 2.4GHz	Intel Xeon 2.4GHz	2x Intel Xeon 3GHz
Memory	256 MB	512 MB	1024 MB	2048 MB
Power	150 W	400 W	2x400 W	2x400 W
LCD	N/A	Front mounted LCD screen displays configuration, startup and shutdown, system reset and error messages.		
Storage				
RAID	N/A	RAID 1	RAID 10	RAID 10
Hard Drives	40 GB	2 x 40GB ATA	4 x 36 GB SCSI	4 x 73 GB SCSI
Connectivity				
NIC	2 10/100	3 10/100/1000	4 x 10/100/1000	4 x 10/100/1000
Serial/USB/PS2 Parallel, 2x PS2	2 x USB Ports, Serial, 2x PS2	2 x USB Ports, Serial, 2x PS2	2 x USB Ports, Serial, 2x PS2	2 x USB Ports, Serial, 2x PS2

*All systems may be clustered together to increase performance, capacity and provide Stateful Failover with queue replication.

MXtreme Mail Firewall Features:

Threat Detection and Response	MXtreme is designed from the ground up to protect your corporate email servers from Denial-of-Service Attacks, Buffer Overflow Attacks and Directory Harvest Attacks – all of which are designed to halt your business operations. MXtreme is also “invisible” and impervious to port scans. MXtreme protects you from the threats you know about as well as unexpected blended threats.
Content and Policy Enforcement	MXtreme provides the most advanced unified content and policy enforcement capabilities, blocking all email threats at the email gateway. With MXtreme’s sophisticated inbound and outbound policy tools, administrators can manage and enforce corporate policies by using keyword-searches to manage email attachments and messages. MXtreme helps organizations comply with industry regulations such as the Sarbanes Oxley Act, HIPAA and PIPEDA. MXtreme’s Content and Policy tools dramatically reduce a company’s risk exposure by restricting the transfer of inappropriate or confidential information.
WebMail Proxy and Secure Remote Access	MXtreme secures Microsoft Outlook Web Access (OWA) and Lotus iNotes with a secure access proxy. MXtreme also includes BorderPost, a full-featured WebMail client that provides secure WebMail access.
Spam Detection	MXtreme uses a combination of objective and subjective spam filters to maximize spam fighting power with minimal false positives. MXtreme also offers Brightmail® Anti-Spam as a value-added option for accurate, managed spam filtering. MXtreme’s spam detection tools greatly increase employee productivity by filtering out harmful or inappropriate content before it gets to their mailbox. Spam tools also reduce the cost of operating your network by increasing network quality of service; internal bandwidth is not used to transfer spam.
Virus Detection	MXtreme scans all inbound and outbound email using the Kaspersky™ Anti-Virus engine. MXtreme’s anti-virus pattern files are updated every 10 minutes so you are always up to date with the most recent virus pattern files.
Reporting	MXtreme’s built-in database and reporting engine provide comprehensive intelligence for all mail firewalls within a cluster, enabling your organization to better manage your email infrastructure. Reporting tools enable you to more intelligently deploy network resources and decrease the cost of operating your email infrastructure.
High-Availability	Fault-tolerant hardware and clustered deployment with patent-pending “Stateful Failover” and queue replication ensure zero downtime, zero delays and zero lost messages for your enterprise. This means increased quality of service for your corporate email.



PARTNERS



BorderWare Technologies Inc. > To learn more about MXtreme, or to register for a **FREE** webinar, visit www.mxtreme.com today!

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