



MX Logic®

## The Benefits of MX Logic Intelligent Message Processing

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Spam now accounts for  
more than 85% of all  
email traffic.

MX LOGIC® THREAT CENTER

93% of organizations have  
had a virus, worm or  
Trojan Horse successfully  
infiltrate their network  
through email.

OSTERMAN RESEARCH, INC.

The MX Logic® fully-managed Email Defense Service relies on the more secure and risk-free proxy-based technology to create an environment based on Intelligent Message Processing.

Email protection and security service companies traditionally leverage one of two methods for filtering email: the 'proxy-based' method and the 'store-and-forward' method. Unlike other email service providers, our service does not rely on the store-and-forward filtering method because it is potentially more insecure and introduces unnecessary risk into the process.

### THE FLOW OF EMAIL MAKES THE DIFFERENCE

While both methods utilize the domain's mail exchange (MX) record for filtering, the proxy-based method is clearly superior in its email delivery performance – removing domain-level vulnerabilities and increasing overall network security. In general, the difference in the methods comes down to how the email flows through the filtering process: the proxy-based method does not disturb the normal flow of email, while the store-and-forward method significantly alters the message flow.

### EMAIL VULNERABILITY RISKS ARE VIRTUALLY ELIMINATED

MX Logic does not use the store-and-forward method because of the risks of message loss and interception inherent to the process. The store-and-forward filtering process writes and stores all email messages to disk outside the corporate firewall, filters them in succession, and then forwards them onto their intended recipients.

The vulnerability with the store-and-forward method exists within the message queue. Because messages are stored, filtered and then forwarded, email messages are subject to loss through systems outages, message interception, or corruption from an infected email base. Using Intelligent Message Processing technology, MX Logic's proxy-based filtering virtually eliminates message delivery risks.



## KEY BENEFITS

- Superior email delivery performance
- Virtually eliminates vulnerability risks
- Removes the risk of delivery failure
- Real-time filtering reduces latency

### REMOVING THE RISK OF DELIVERY FAILURE

The proxy-based filtering approach also removes the risk of delivery failure that results from 'network islanding.' Network islanding occurs when the destination server identifies a message as undeliverable and the message becomes stranded between the originating server and its destination. Unlike the store-and-forward method, proxy-based filtering removes this risk by never accepting responsibility for the delivery of legitimate message traffic.

MX Logic® Fail Safe Service is available to ensure that your business never loses an email by providing automatic email backup protection in the event of an unplanned server or network outage, or during planned maintenance. Fail Safe will automatically engage email spooling when it detects a loss of connectivity to your email server(s). Once the connection with your email server(s) is restored, current and spooled email is delivered in a controlled stream to prevent subsequent overload.

### PROTECTION FROM INFORMATION LOSS AND BUSINESS DISRUPTION

MX Logic® Disaster Recovery Services – MX Logic® Message Continuity and the MX Logic® Fail Safe Service – are available to ensure that your business never loses an email by providing automatic email backup protection in the event of an unplanned server or network outage, or during planned maintenance. Both services automatically engage email spooling when we detect a loss of connectivity to your email server(s). Your business can keep communications flowing with Message Continuity, which provides Web-based email access, management and use. Once the connection with your email server(s) is restored, current and spooled email is intelligently synchronized to your email server.

### REAL-TIME MULTILAYERED MESSAGE FILTERING REDUCES LATENCY

The MX Logic proxy-based method delivers sub-second message latency as it does not accept and store the messages in order to filter them. Generally, MX Logic acts as a conduit between the email sender and recipient – filtering the message in-stream, real-time as it passes from the sender to the recipient. Because messages are generally not stored during the in-line filtering process, emails filtered by MX Logic experience sub-second delivery – avoiding the latency issues from high-traffic and overburdened queues commonly experienced with the pure store-and-forward method employed by other providers.

Integrating an email defense service that employs proxy-based filtering technology is the most effective way to defend your network from unwanted email without introducing security risks. Find out more by calling 1.877.MXLOGIC or visiting us at [www.mxlogic.com](http://www.mxlogic.com).



#### ABOUT MX LOGIC

MX Logic is a leading provider of managed email and Web security services that deliver enterprise-grade performance without enterprise-level complexity and cost. Our easy-to-use, award-winning services reduce risk and liability, lower overall IT costs, and increase productivity. MX Logic services are available through our industry-leading partner network. For more information, visit [www.mxlogic.com](http://www.mxlogic.com).

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