

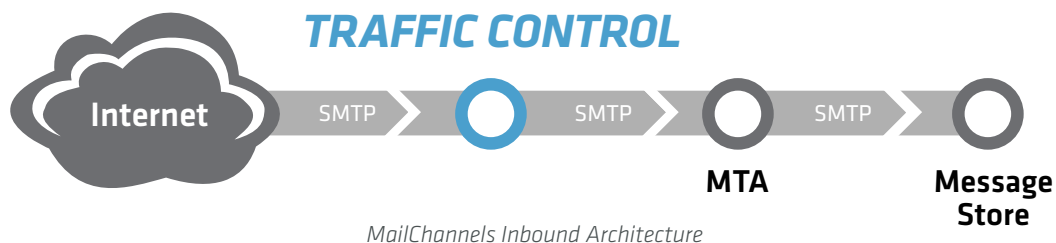
# MAILCHANNELS TRAFFIC CONTROL™ FOR SERVICE PROVIDERS

Datasheet

Email Gateway Security

## ELIMINATE EXCESSIVE MTA LOAD AND REDUCE SPAM

MailChannels Traffic Control is an ultra high performance SMTP proxy that delivers 15 million messages per hour on a single eight-core Intel® Xeon® server. It's the most efficient way to eliminate excessive load caused by spam traffic on MTAs, messages stores, and network equipment.



### Completely Transparent

Simply insert into your existing infrastructure without any configuration changes and cut spam traffic by up to 90%. MailChannels Traffic Control restricts SMTP traffic from bad senders while giving priority service to good senders.

### Simple, Yet Effective

Suspicious or unknown senders are reduced in bandwidth to just a few bytes per second, reducing spam volumes and protecting downstream mail servers. This approach is up to 90% more effective than RBL blocklists and eliminates 99.6% of botnet spam at the edge of the network.

### Zero-Hour Spam Protection

Blacklists and spam filters take time to learn about new spam campaigns and spam sources. Tier-1 ISPs have told us that botnets have begun exploiting this "window of opportunity" by sending spam in small bursts lasting less than 2 minutes. These concerted attacks directed at specific ISPs allow spammers to flood mail servers and disappear before new rule definitions can be established. MailChannels Traffic Control closes this gap and forces suspicious senders to prove themselves innocent.

### Reputation Feedback

Traffic Control identifies bad senders according to behavior and reputation data gathered from MailChannels customers around the world. Reputation scores are adjusted in near real-time to provide the fastest possible response to changes in sender behavior.

### High Performance

The latest Traffic Control delivers up to 1,000x the SMTP concurrency over previous generation multi-process or multi-threaded mail transfer agents (MTA).

### Patent-Pending Queue-Less Design

Standard mail servers receive inbound mail, queue it to disk, and then re-transmit it for final delivery. Queuing messages is inefficient when you need to process millions of messages per hour. Enter Traffic Control 4. It's a fully transparent SMTP proxy built on a rock-solid event-driven architecture - and everything is done in real-time. The result is ultra-fast message delivery with the minimum impact on server resources.

### More SMTP Concurrency

Because spam steals your server's focus and attention, Connection Pooling allows Traffic Control to handle 100,000 inbound requests at a time in under 1GB of RAM. That means that Traffic Control can handle the most aggressive botnet attacks without skipping a beat. By carefully multiplexing downstream connections, Traffic Control protects your mail storage infrastructure.

### Extensive Logging

Take control of your email security with a centralized management console that lets you view and analyze your email traffic in a smarter way. MailChannels Log Search indexes email delivery logs in real-time so that you can pinpoint problems across all machines. Find out why a message delivery failed by searching through billions of transactions in seconds.

# QUICK FACTS

## SUMMARY

MailChannels Traffic Control™ adds a first layer of defense against spam by managing email traffic and keeping spam off of the network. Traffic Control uses traffic shaping technology to restrict SMTP traffic from bad senders while giving server priority to good senders. Real-time filtering eliminates spam before other approaches like blacklists and content filters have had time to identify.

## BUSINESS CHALLENGES

**Email delays** caused by heavy spam traffic and message queues  
**Excessive SMTP connections** from bad senders wasting bandwidth and connections  
**New spam outbreaks** making it through content filters

## KEY FEATURES

**Transparent proxying** – Filter SMTP traffic at wire speeds without obscuring the source or destination IP address

**Email traffic shaping** reduces bandwidth for bad senders/connecting hosts

**Event-driven architecture** handles the most aggressive botnet attacks with ease  
**Identifies bad senders** according to global reputation feedback to incoming SMTP traffic

**Generates logs** to give you rich insights into SMTP traffic

### Able to manage heavy traffic volume

- 100,000 simultaneous connections per server
- 15 million messages per hour per server

## BUSINESS BENEFITS

**Reduces spam volumes and lowers CPU load** for MTA appliances

**Stops 90% of total incoming spam to reduce load** on second layer content filters and network devices

**Lowers storage requirements**

## FOR MORE INFORMATION

To learn more about MailChannels Outbound™, please contact a product specialist +1 604 685 7488 or visit [www.mailchannels.com](http://www.mailchannels.com).

## SUPPORTED PLATFORMS

Linux (x86 32 and 64-bit)

- RedHat Enterprise Linux 4+
- CentOS 4.6+
- SUSE Linux Enterprise Server 9+
- Debian
- Ubuntu

## RECOMMENDED HARDWARE

- Multi-processor x86 (32 or 64-bit)
- 2GB RAM

## NEXT STEPS

Contact a product specialist:

Call +1 604 685 7488

[info@mailchannels.com](mailto:info@mailchannels.com)

## SIGN UP FOR A DEMO

[www.mailchannels.com/demo](http://www.mailchannels.com/demo)

*Peter Cassar  
CEO, SherWeb*



» 602 W. Hastings St, Suite 601  
Vancouver, BC V6B 1P2

+1 604 685 7488 tel  
+1 604 608 9490 fax

[www.mailchannels.com](http://www.mailchannels.com)  
[info@mailchannels.com](mailto:info@mailchannels.com)

© 2010 MailChannels Corporation. All Rights Reserved.  
MailChannels and Traffic Control are trademarks and/or registered trademarks of MailChannels Corporation.