



Enterprise Anti-Spam

Overview

Sentrion Enterprise Anti-Spam combines two complementary anti-spam engines—Cloudmark Authority and the Commtouch CTEngine—to block up to 99.7% of spam with industry-leading low false positive rates. And because it works on Sentrion, Enterprise Anti-Spam keeps unwanted messages from clogging up your network without the expense and management burdens of a third-party gateway anti-spam appliance.

Audience

Every enterprise that wants to block unwanted email to keep end-users safe and productive, and to preserve network bandwidth for legitimate business traffic.

Key Features and Functionality Overview

The best way to fight spam is to use a series of solutions in a “funnel” that progresses from the least computationally intensive action to the most. For example, the first-line defense may be traffic shaping to block onslaughts of spam originating from a single server. A significant number of messages may still get through, however, and that’s when applying relay controls, IP reputation scores and sender authentication can help reduce the flood of spam to a trickle.

But since even a trickle of spam isn’t acceptable, you need a final line of defense. Sentrion Enterprise Anti-Spam blocks up to 99.7% of spam with false positive rates on the order of two messages per million. These are industry-leading figures for blocking spam effectively while ensuring that good messages get through. That’s the key to keeping users connected and productive—and also to keeping a lid on unnecessary storage and infrastructure expenses.

These outstanding success rates result from the combination of two balancing technologies:

- Commtouch CTEngine uses an automated Recurrent Pattern Detection (RPD)[™] system to statistically identify spam and malicious content outbreaks. It works by examining approximately 16% of worldwide Internet traffic every day, looking for distribution patterns over time and geography that are characteristic of botnets, illicit bulk mailings and other patterns typical of spam and virus distribution. Mail that fits these patterns is examined to derive signatures that the system can use to identify a spam message by its envelope, header and/or content. This method provides effective detection and blocking of messages associated with large-scale bulk email exploits.
- Cloudmark Authority primarily uses an “eyeballs on screens” approach, basing its spam scoring on data provided by actual users when they click on their provider’s “Report this Message as Spam” feature. This method complements the Commtouch CTEngine approach by catching lower-volume spam that tends to be targeted to specific lists.

Sentrion Enterprise Anti-Spam combines the strengths of these two content-based spam detection techniques—automatic examination to stop spammers that use botnets and other brute-force methods, and human examination to catch the spammers who use a more personal approach.

Either way, you don’t want what the spammers are pitching, and Sentrion Enterprise Anti-Spam makes sure you don’t get it.