

# intY MailDefender

Complete managed email security



## Complete managed email security

Email is now a business critical application for many businesses and when their email performs badly, so do they. Ensuring email performance under ever increasing threats from **viruses** and **spam** is a key priority.

Email communications have been targeted by viruses and spam sources for a number of years, to the extent that many users struggle to use the medium productively. The aggressive proliferation of **phishing** mails has only worsened this trend.

MailDefender provides unrivalled email protection from all email borne threats without requiring an investment in hardware or software or incurring an ongoing maintenance overhead.

## The Spam Problem:

Spam is an unpleasant fact of life for all companies that use email extensively. Leaving end users to struggle with endless unsolicited mails is unproductive and demoralising, but installing a simple filter is no longer enough.

Techniques to generate new forms of spam are highly advanced and proliferate rapidly. In addition, phishing emails, which contain no actual malicious software, are typically designed to lure email users into giving their personal data to fake banking web sites or their PC becoming infected simply by browsing a compromised website. By incorporating a range of detection mechanisms including, Cloudmark spam detection technology, MailDefender delivers industry leading performance. It is able to block

spam with an exceptional degree of accuracy: over 98% of spam and phishing attacks with near zero false positives.

## Battling the Virus Problem:

Running anti-virus software in-house, has a high degree of latency in the level of protection provided. Your AV vendor has to identify a new threat, produce an update and make it available so you can download and apply it. This can take up to 24 hours leaving you vulnerable to so-called 'zero day' threats.

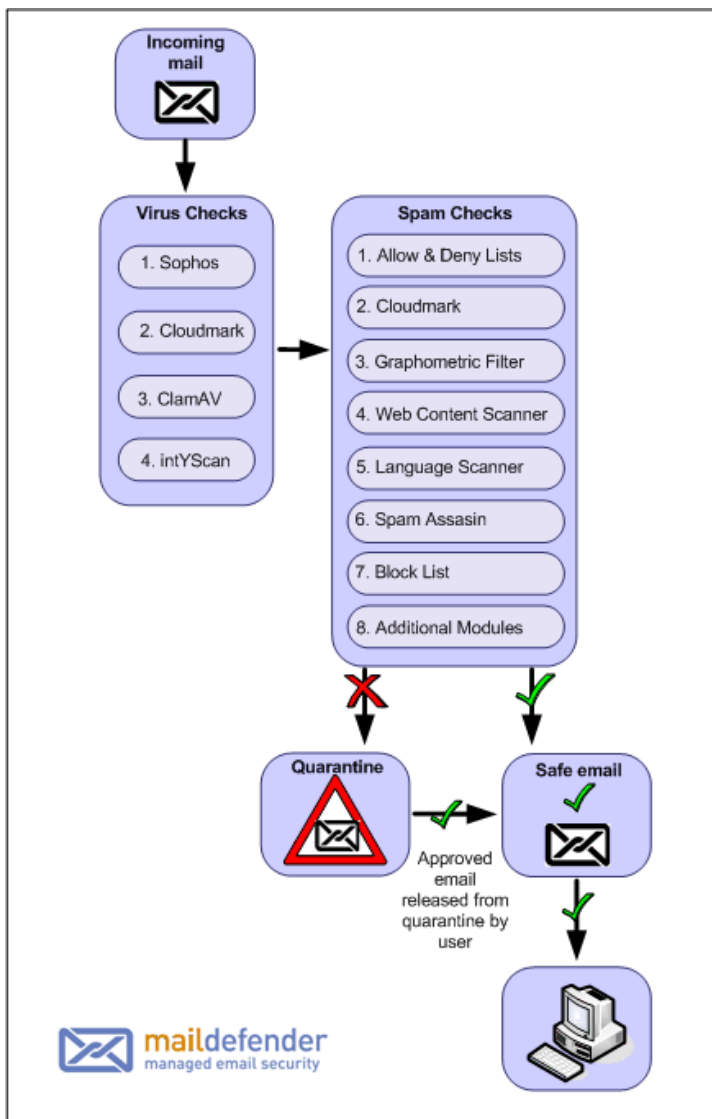
MailDefender uses Cloudmark technology amongst multiple other scanning engines to identify and block new worms and virus strains in near real time. This results in an unparalleled level of protection from mail borne threats.

## Cloudmark: real time protection for online business

intY use Cloudmark technology in MailDefender because it has been proven to be the most advanced approach to blocking spam and malicious software. With several million users and over 100 million sources globally, each capable of reporting a new spam or virus, it has the most sophisticated detection capability available. Because each user's feedback is automatically monitored and verified, only credible, accurate reports are accepted. The system operates in virtually real time, far in advance of conventional techniques. Powerful fingerprinting techniques mean that new spam variants are quickly detected and blocked, closing down a popular method used by spammers.

**MaiDefender makes email useful again** by providing a clean feed of email to your network. It will stop any email that contains a virus or that is classified as spam before it reaches your network. With MailDefender in your arsenal, you can ensure once more that email is a valuable tool in your organisation.

## How MailDefender works:



## Anti-Spam

Identifying spam requires a more modular approach. This is because the interpretation of what makes a virus is standard, whereas what is spam to one person may be another's must have email.

**MailDefender utilises the following methods to identify spam email, each of which can be modified or turned on or off by individual users:**



### •Cloudmark

- Uses unique human recognition feedback from a network consisting of over 120 million sources, including global service provider abuse teams, systems administrators, honeypots and reporters in 163 countries
- Recommended by Paypal to combat phishing emails.
- Provides the lowest rates of false positive in the industry with near real-time response to virus and spam outbreaks

- Allow and deny lists (users can override the system to ensure that specific email addresses are always blocked or always allowed through the system)

- Web content scanner (checks URL links database)

- Graphometric scanner (a precise filter using qualified databases of unique spam characteristics and URLs)

- Language scanner (checks the character-set used)

- Spam Assassin (allows the user to make use of plug-in service for MailDefender)

## MailDefender—multilayered protection from malicious software:

### Anti-Virus

MailDefender uses multiple methods to identify virus emails. The first method is Cloudmark which analyses email payloads for suspicious signs that might indicate that an email is carrying a new form of virus.

On passing this test, email is then passed across to the Sophos anti-virus engine to be analysed for the presence of known viruses.

The Sophos anti-virus engine checks for the latest updates from Sophos every 5 minutes, meaning that it is always up-to-date. In the same way, the email is then passed to the Clam anti-virus engine and intY heuristic scanner for further analysis.



### Quarantine search facility:

- Keyword searching by To, From & Subject fields
- Column sorting by To, From, Subject, Date or alphabetically
- 25-500 search results per page to make large searches easier
- "Select All" buttons to release & delete multiple emails

### Key Features:

- Internet-level system, protecting your network from infection and freeing your Internet connection from the burden of spam
- Automatically updated every 5 minutes against the latest viruses
- Requires no hardware or software installation and is fully managed by intY

### Benefits of MailDefender:

- Internet-level: stops viruses and spam email before they reach the local network
- Automatically updated: requires no effort on behalf of end-user to maintain effectiveness
- Saves bandwidth usage: ensures bandwidth is used for legitimate email only
- Password protected web-based management reporting
- MailDefender quarantine summary sent out daily
- Online management console allows end users to manage their filter settings - minimises false positives
- Multiple tiers of scanning to stop spam, viruses and phishing including Cloudmark technology
- Reduces the legal liability risks associated with inappropriate content being sent via email
- Highly experienced technical support team ready to answer any queries
- Anti-virus software is automatically updated at least every 5 minutes using industry-leaders Sophos, Clam, Cloudmark and intYScan.