

# Norman Virus Control for Marshal

**Norman Virus Control (NVC) is a specialty anti-virus module that integrates seamlessly with Marshal solutions such as MailMarshal and WebMarshal. When combined with Marshal solutions, Norman provides real-time anti-virus scanning of emails and Web files at the Internet gateway. Norman creates a critical layer of anti-virus protection at the gateway and server level, preventing viruses from entering your organization before they can reach users' desktops.**

## THE BUSINESS ISSUE

Email and the Internet are vital business tools, allowing your organization to communicate and access information efficiently. However, they also present vulnerable entry points for viruses and malicious code into your organization, diminishing the benefits that email and the Internet were intended to provide.

The 2006 CSI/FBI Computer Crime and Security Survey reported that 65% of the 615 companies surveyed suffered significant financial losses as a result of virus infection during the year. The average reported cost of these virus infections was US\$69,125 per company. Other industry experts have estimated that as many as 80% of the world's computers are infected with some form of malicious code, such as spyware.

Managing virus security risk in a corporate environment can be very difficult. Users bring all manner of external devices into the office to connect to their computers. They download unknown files and applications from the Internet. They connect their laptops to unsecured networks outside the office. They open email attachments sent to them by complete strangers. A layered approach to anti-virus security incorporating user education, active desktop anti-virus and "always on" gateway virus monitoring is fast becoming best practice.

## THE SOLUTION

With Norman Virus Control, you can apply anti-virus from one of the world's leading anti-virus providers to email and Internet activity before viruses reach the trusted, internal network.

MailMarshal SMTP integrates Norman scanning at the email content inspection level. As messages are filtered for spam and other non-business content, MailMarshal employs Norman to scan each message for viruses and malicious code. Scanning is essentially instant thanks to MailMarshal's multi-threaded design and tight product integration. Infected emails are identified and quarantined. Notification messages can be automatically sent to IT staff, and detailed reports can be generated -- identifying how many and what viruses MailMarshal has blocked over any given period.

Norman also works with MailMarshal Exchange, providing real-time anti-virus protection on inter-office Exchange email.

WebMarshal integrates Norman at the Web proxy level. Any files requested by users are virus scanned by Norman before they are passed to the user's browser. Users are informed in realtime of suspected virus-infected files and any offending files are automatically blocked. Reports are available detailing how many and what viruses WebMarshal has blocked and what the offending URLs were.

## NORMAN SANDBOX TECHNOLOGY

Norman Virus Control now features Norman's innovative "SandBox" technology. Conventional anti-virus solutions rely on signature files that are created when a new virus is discovered in the wild. This requires that the anti-virus solution be regularly updated to be effective against the latest virus threats. If it is not, it will not recognize a new virus.

The Norman SandBox technology is designed to identify new viruses that have not been seen before. When a file is passed to Norman

Virus Control for checking by MailMarshal or WebMarshal, it is first tested using the virus signature file to see if it is a known virus. If it's not found in the known virus list, it is passed on to the SandBox where the file is let loose to reveal its intentions. The SandBox is a simulated environment controlled by the Norman virus scanner; so, if it is a virus, it cannot actually do any harm.

The SandBox assesses the behavior of the file as it executes. If the file behaves suspiciously or exhibits virus-like qualities, it is classified as harmful.

If the file is harmless, it is delivered to the application that requested the check. If it is harmful, it is placed in quarantine thus preventing the network from being infected.

The Norman SandBox feature is not only effective against viruses but also spyware and other malicious content.

## TECHNICAL FEATURES AND BENEFITS OF NORMAN VIRUS CONTROL

- Detects and blocks viruses at the Internet gateway before reaching your internal computer network.
- Protects users from opening virus-infected emails, by blocking the emails before they reach individual mailboxes.
- Prevents users from accidentally accessing virus infected Web sites or files by blocking downloads in realtime.
- Provides high-speed virus scanning via multi-threaded message unpacking design.
- Features Norman's innovative new SandBox technology to identify potentially

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harmful files based on behavior. Provides greater virus detection, particularly against new viruses never seen before.

- Controls viruses in a total policy-based framework. You can choose what happens when viruses are detected. They can be quarantined for investigation or automatically deleted. You can also send notification messages to the administrator or email sender, informing them of the detected virus. Essentially any policy-related measures that you wish to take regarding viruses are possible with MailMarshal and WebMarshal. (Options for email and Web scanning differ.)
- Creates detailed virus incident reports that clearly demonstrate Return on Investment for your staff and executive management. You know when and where a virus was detected, how many viruses have been blocked, and what types of viruses you are blocking.
- Shows real-time monitoring of viruses quarantined in the MailMarshal Today page.
- Provides 24x7x365, always-on virus protection. Users cannot turn off virus protection.
- Scans both incoming and outgoing email. Scans both downloaded and uploaded files to and from the Web.

## SYSTEM REQUIREMENTS

### HARDWARE

- Processor - Pentium 4
- Disk Space - 20GB HDD (NTFS) or higher
- Memory - 512MB RAM or higher

### SOFTWARE

- Operating System - Windows 2000/XP/2003
- Database – MSDE 2000 SP3a or later, SQL 2005 Express, Microsoft SQL Server 2000 SP3a or later, or SQL Server 2005
- MailMarshal SMTP (6.2.x.x) or later
- OR, MailMarshal for Exchange 5.5 or later
- OR, WebMarshal (3.7.x.x) or later
- Optional Web Interfaces (MailMarshal SMTP only) require Internet Information Services (IIS) 5.0 or later, and ASP .NET 1.1.

## TRY BEFORE YOU BUY.

Try Norman Anti-Virus for free with any evaluation version of MailMarshal or WebMarshal for 30 days. Simply visit [www.marshal.com](http://www.marshal.com), and click on our Evaluation Center.

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