

# Microsoft Forefront Security for SharePoint

## Protection and Control for Collaboration Servers

Microsoft® Forefront™ Security for SharePoint® manages and integrates multiple scan engines from industry-leading vendors to help protect Microsoft Office SharePoint Server 2007 and Windows® SharePoint Services 3.0 collaboration environments against the latest threats. It provides controls for blocking unwanted content, optimizes server performance, and simplifies security management.

Forefront Security for SharePoint with Service Pack 2 (SP2) now includes support for Windows Server® 2008 and includes installable keyword lists in 11 languages for automatically blocking documents containing profanity and discriminatory content.

Companies are rapidly adopting SharePoint products and technologies as important and effective tools for conducting business and getting closer to customers, prospects, and business partners.

Unfortunately, malicious code, inappropriate content, and confidential information can find their way onto SharePoint servers through uploaded documents, HTML pages, and mapped network drives. As use of these servers grows and as threats become more sophisticated and rampant, the surface area that's vulnerable to attack increases. And although nearly 97 percent of businesses used antivirus software, 65 percent of them still suffered virus attacks.\*

One reason is that companies try to protect collaboration servers using software that has only one antivirus scan engine, which exposes the system to a potential single point of failure. If the engine fails to recognize a new threat quickly, organizations are immediately vulnerable.

Secondly, most standard file-server antivirus products can't adequately scan the SQL databases of SharePoint document libraries without risking damage to the software, the database, or the SharePoint environment. Neither do these products scan the content of documents to ensure that the files support company policies before they are posted on SharePoint servers.

IT must find ways to easily manage the content and security of information that's stored and shared using SharePoint servers. At the same time, they must minimize costs, maximize business productivity, and protect corporate information and interests.

### Maximize SharePoint Server Protection

Microsoft Forefront Security for SharePoint helps solve these problems by providing comprehensive antivirus protection. It also offers defense against infected files and unsuitable content, while optimizing server performance and simplifying the management of SharePoint products and technologies.

#### Comprehensive protection against the latest threats and unwanted content

Forefront Security for SharePoint ships with several antivirus engines from leading security vendors. IT can run up to five scan engines at once to inspect documents as they are saved to and retrieved from SharePoint document libraries. When one engine goes offline for an update, the others are available to scan the database so servers are always under protection.

The program's content filters help keep users from posting or retrieving ethically questionable material and confidential company information. Configurable

file-filtering rules help block file types known for carrying viruses or opening organizations to legal exposure.

#### Optimized performance to keep servers available

Forefront Security for SharePoint provides deep integration with Microsoft Office SharePoint Server 2007 and Windows SharePoint Services 3.0 environments, while helping to optimize server performance. With efficient scanning features, performance controls, and the ability to reduce redundant scanning, businesses can make smart use of available processing time and server capability.

#### Simplified management to ease the IT burden

Automated signature and engine updates, migration protection to SharePoint 2007 servers, and centralized control and management all lead to greater cost efficiencies and ease. Forefront Security for SharePoint can be centrally configured, deployed, and updated in multi-server environments using Microsoft Forefront Server Security Management Console. It also supports Microsoft Security Center Operations Manager (formerly MOM), for corporate-wide monitoring of SharePoint servers.

### How Microsoft Forefront Security for SharePoint Works

Forefront Security for SharePoint is a server-based antivirus and content filtering solution that provides comprehensive protection for SharePoint 2007. Real-time scanning is performed using Microsoft Virus Scanning API 1.4 to help ensure that documents are safe before they are stored and shared in the SQL document library. Forefront Security for SharePoint also offers manual and scheduled scanning options.

## Provides comprehensive protection

- **Multi-engine scanning, no single point of failure.** Provides ability to automatically apply and manage up to five antivirus scan engines at a time, from industry-leading security companies. Even if one engine is offline or overlooks a threat, the library is scanned by the others, so there's no single point of failure. The product ships with engines from AhnLab, Authentium, CA, Kaspersky Labs, Microsoft, Norman Data Defense, Sophos, and VirusBuster.
- **Protection against inappropriate content.** Scans for administrator-defined keywords and phrases within most Microsoft Office documents—including Open XML documents and IRM-protected files—to help enforce compliance with corporate policy for language usage and confidentiality. On-the-fly encryption and decryption allows documents to be checked for malware and unwanted text while retaining security settings applied by IRM.

Forefront Security for SharePoint with SP2 also includes installable keyword lists in eleven languages for automatically blocking documents containing profanity and discriminatory content.
- **Document filtering.** Uses filters to help eliminate file types known for carrying viruses (for example, .exe) or opening organizations to legal exposure (for example, .mp3). Forefront Security for SharePoint can also unpack and selectively repack compressed files, such as .zip, after removing infected or unwanted files.
- **Protection against new and hidden threats.** Blocks malicious code based on behavioral characteristics using built-in heuristics technology, and catches unwanted file types even if the file extension has been changed. Forefront Security for SharePoint inspects files by their header information, not just file extensions.
- **Multi-vendor response to new threats.** Increases the odds of a quick resolution to new attacks. With Forefront Security for SharePoint, multiple vendors

are busy working on your behalf to block the latest virus, and automatic downloads help ensure that the first valid solution gets loaded as soon as it's available.

## Optimizes performance

- **Performance controls.** Improves server performance and throughput with in-memory scanning (to avoid spooling data to disk) and multiple scanning threads (to process more documents at once). Forefront Security for SharePoint also helps strike the right balance of server performance and security with performance controls that can dynamically manage the number of engines used for a given scan job.
- **SharePoint VSAPI integration.** Leverages the SharePoint-specific Microsoft Virus Scanning API (VSAPI) 1.4 to help ensure faster scanning in a SQL environment. This API also tracks the scan status of documents, so clean documents don't need to be rescanned.
- **Out-of-policy file blocking.** Avoids the server glut of unwanted files. Forefront Security for SharePoint prevents users from uploading unwanted and out-of-policy file types to SharePoint collaboration servers, so they don't consume valuable disk space.

## Simplifies management

- **Forefront Server Security Administrator.** Provides a built-in management console to fully configure Forefront Security for SharePoint locally or remotely.
- **Centralized Web-based control.** Enables administrators to easily manage servers remotely, generate comprehensive reports, and receive outbreak alerts from across the infrastructure using Forefront Server Security Management Console. This browser-based console provides central configuration, deployment, and updating for all Forefront server security products.
- **One-stop, automated updates.** Updates multiple scan engines without IT effort. Microsoft constantly monitors its antivirus vendors for new signatures and engine updates. Within minutes, these updates are tested against a

virus database, confirmed, and posted for automatic download by Forefront Security for SharePoint or Forefront Server Security Management Console systems.

- **Migration protection.** Helps keep the entire collaboration environment protected during migration to SharePoint 2007. Customers who purchase Forefront Security for SharePoint will also be licensed to use Antigen for SharePoint to protect Microsoft SharePoint Portal Server 2003 and Microsoft Windows SharePoint Services 2.0 environments.
- **Localized in 11 languages.** Manages collaboration server security in English, Chinese (Simplified), Chinese (Traditional), French, German, Italian, Japanese, Korean, Portuguese (Brazil), Russian, or Spanish.
- **Integrated monitoring.** Enables administrators to monitor the health of Forefront Security for SharePoint environments as part of corporate operational management practices using a management pack for System Center Operations Manager.

## Microsoft Forefront Security for SharePoint with SP2 System Requirements

Features and functionality described require Microsoft Windows Server 2003 (Standard, Enterprise, Datacenter, or Web Edition) with Service Pack 1 or Windows Server 2008; Microsoft Office SharePoint Server 2007 or Microsoft Windows SharePoint Services version 3; a dual-processor computer (minimum 2.5 GHz clock speed); 1GB of RAM (2GB recommended); and 550MB of disk space.

For more information about Microsoft Forefront Security for SharePoint, visit <http://www.microsoft.com/forefront>