

Sophos and Sun for Secure Messaging

Seamless protection against email threats including spam and viruses.



SOPHOS

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ISV Overview

Sophos is a world leader in protecting businesses against viruses and spam. Over 35 million users benefit from Sophos solutions and 24 x 7 support.

Industry Solution

All enterprise organizations

Key Business Needs

- Eliminating spam and virus threats
- Ensuring compliance with internal and federal communications policies and regulations

Business Results

- Detect up to 98 percent of spam
- Stop viruses and other malicious code at the gateway
- Establish, monitor, and enforce appropriate use policies
- Keep help desk costs low with end-user quarantine review

Spam and virus threats are putting the viability of email communications at risk. Solving this problem is the number one priority for email administrators globally.

With spam nearing 60 percent of all email traffic and the near weekly release of new email worms, high-volume email environments are under siege. According to a 2005 study by the University of Maryland, the loss in productivity caused by deleting junk email costs American businesses nearly \$22 billion a year and Ferris Research predicts a cost of \$50 billion worldwide.

To help enterprises reduce or eliminate these costs, Sophos and Sun Microsystems deliver comprehensive spam and virus protection with integrated code between Sophos PureMessage and the Sun Java™ System Messaging Server. This new Sophos PureMessage module enables a unified solution to protect against spam, viruses, and other security threats for high-volume messaging environments.

Large organizations must address email-borne security without introducing another layer of management complexity or a new communications bottleneck to their network. The integrated Sophos and Sun solution enables the Java Enterprise System to communicate directly with PureMessage via channel architecture in the Java System Messaging Server. This provides customers with high performance message processing and consolidated protection, through a seamless administrative experience, without requiring a third-party message transfer agent to broker the communication.

Delivering systems with scalability and high availability services capable of processing millions of email message per day, while simultaneously helping to protect users from unwanted spam and viruses, enables organizations to realize the full potential of their messaging and collaboration systems. The new solution from Sophos and Sun further enhances the proven scalability and content capabilities of the Java Enterprise System, enabling enterprises and Internet service providers to increase user productivity by reducing spam in their inbox.

Java System Messaging Server and Sophos PureMessage

As a critical component of the Java Enterprise System, the Java System Messaging Server is the market leading platform in the independent software vendor (ISV) market with more than 220 million licenses sold and provides a high-performance, highly secure messaging offering.

Sun and Sophos — increasing users' productivity by reducing spam in their inbox.

“Given the business-critical nature of email, organizations must develop a comprehensive approach to mail hygiene and message control, while also ensuring compliance with internal and federal communication policies and regulations,” said Matt Cain, vice president with analyst firm META Group’s Technology Research Services. “Ideally, they should choose a solution that provides multiple areas of protection at the server or gateway level. This type of approach to email management creates procurement, operational, and functional efficiencies and results in the lowest TCO for large organizations.”

Scaling from thousands to millions of users, it is integrated with the Java System Calendar Server and Java System Instant Messaging software and is ideal for service providers, enterprises, academic institutions and government agencies.

The Java Enterprise System provides extensive security features that help ensure the integrity of communications through user authentication, session encryption, and content filtering to help prevent spam and viruses so enterprises and service providers can provide secure, reliable messaging services for entire communities of employees, partners, students, faculty, and customers.

Sophos PureMessage protects organizations against viruses, spam, and other email-borne security threats. Combining industry-leading anti-virus and anti-spam technologies with flexible policy management and world-class support, PureMessage offers comprehensive mail filtering to help protect organizations from network downtime, productivity loss, and threats to their email infrastructure.

How Sophos PureMessage Works

PureMessage interfaces with the Java System Messaging Server through a JSMS connector to filter inbound and outbound messages and enforce an organization’s email policies with the following features:

- **Anti-spam** — Leading anti-spam technology including a range of leading spam detection techniques that are automatically balanced to deliver consistent accuracy, including

Genotype technology to catch evolving spam campaigns.

- **Anti-virus** — Anti-virus technology, including Genotyping to catch new virus variants, scans all email at the gateway for specific file types, subject lines, executables, and mass-mailing emails to protect the entire organization from email-borne viruses, Trojans, worms, and malicious spyware.
- **Automatic updates** — Anti-virus and anti-spam updates are automatically delivered and seamlessly deployed as new threats arise.
- **Policy management** — PureMessage’s flexible policy framework tests and enforces inbound and outbound message filtering policies to meet an organization’s security, communication, and regulatory compliance needs.
- **Central administration** — A Web-based administrative interface provides flexible control over mail filtering. It enables the administrator to configure and manage filtering policies and quarantined messages, and to manage synchronization and reporting across multiple servers.
- **End-user control** — Optional, multilingual end-user interfaces enable end-users to review their personal spam quarantines through scheduled, email-based quarantine review and Web-based, on-demand access to personal quarantines, whitelists, and filtering preferences, helping to reduce call-center costs.

Benefits of Sophos PureMessage

PureMessage helps solve the unique email filtering and spam management challenges faced by today’s large organizations:

- Protects global organizations against spam and viruses in multiple language message streams.
- Updates automatically with the latest protection from SophosLabs, a global network of threat analysis centers.

- Detects up to 98 percent of spam and protects against scams, including phishing (identity theft) attacks.
- Stops malicious code at the gateway before it can proliferate within the corporate network.
- Helps protect against the costs of confidentiality breaches, legal liability, and damage to a company's reputation.
- Incorporates a rich policy environment to support complex security or regulatory compliance requirements.
- Provides end-user quarantine review for quick retrieval of legitimate messages through both scheduled email digests and on-demand Web access.

- Filters millions of messages per day with a scalable message processing and quarantine architecture.
- Includes unlimited 24-hour telephone, email, and on-line support, 365 days a year.

Sophos PureMessage on Sun Servers

PureMessage supports the Java System Messaging Server on the Solaris™ Operating System, x86 and SPARC® Platform Editions. In fact, over 20 percent of registered Sophos PureMessage customers are on Sun™ platforms.

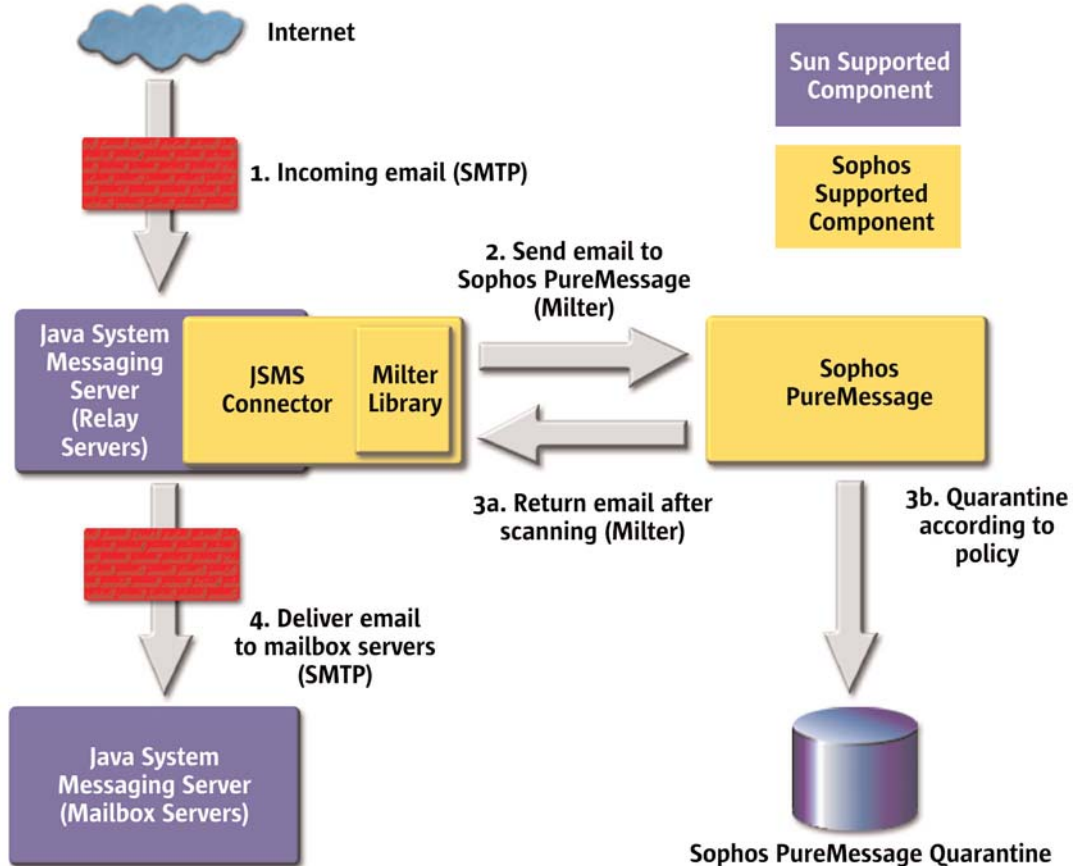
Web-centric workloads such as email filtering and virus scanning are highly threaded, network intensive, packet process-

ing workloads that also require high security, reliability, and the ability to scale horizontally. Sun's UltraSPARC IIIi and Opteron systems are specifically designed and optimized to meet the needs of Web-centric workloads.

The UltraSPARC IIIi processor-based Sun Fire™ V210 and V240 servers, with the J-Bus SMP system architecture, offer high memory capacity (up to eight GB) and I/O connectivity, including four built-in 10/100/1000BaseT Ethernet ports, as well as Advanced Lights Out Management.

The Opteron processor-based Sun Fire V20z and V40z servers features 64-bit performance with 32-bit x86 compatibility, large memory support (up to 16 GB), I/O capability to support low-latency, high-bandwidth

Sophos PureMessage with the Java System Messaging Server



interconnects for compute clusters, and Lights Out Management.

Typical Sophos deployments consist of a forward resource pool of lower-cost, Web-centric servers for scanning that are clustered together for horizontal scalability and managed by a single console. This pool is then connected to a secondary tier of enterprise-class servers, such as the Sun Fire V490 server with dual core UltraSPARC IV processors, for quarantine storage and management.

Solution Components

- Solaris Operating System, x86 and SPARC Platform Editions
- Sun Java System Messaging Server
- Sun Fire servers or Sun Opteron servers
- Sophos PureMessage

About Java Enterprise System

Serious software made simple, the Java Enterprise System seamlessly integrates award-winning and market-leading enterprise network services that are needed by every organization to successfully build and deploy their own business-critical applications. This comprehensive, standards-based software system is delivered as a single, pre-integrated entity on a predictable release cycle, at an affordable cost. Radically simplified customer pricing — \$100 per employee per year (U.S. list price) — delivers the peace of mind CIOs need so they can focus on achieving business goals.

Conclusion

Enterprises require the highest level of email-borne threat protection both to protect their assets and eliminate the cost of network downtime and lost user productivity caused by dealing with spam. The combination of Sophos PureMessage and the high-volume Java System Messaging Server on Sun servers helps enterprises better manage the email security threats and the chaos they create, providing users with unobstructed access to legitimate email and reducing spam-related costs.

About Sophos

Sophos is a leading developer of anti-virus and anti-spam software with offices, distribution partners, and support in over 150 countries. Sophos dedicates its resources to supporting corporate clients, which includes 24 x 7 x 365 support with every license they sell.

Get the details.

For more information on the Java System Messaging Server visit sun.com/software/products/.

For more information on Sun systems designed for Web-centric workloads visit sun.com/servers/entry/.

For more information on Sophos PureMessage visit www.sophos.com/pm/.

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