Symantec by Broadcom

SOLUTION BRIEF

Comprehensive Data Protection for a Zero Trust World

KEY BENEFITS

- Ensure continuous protection of sensitive data, preventing unauthorized access and reducing breach risks
- Reduce operational burden, ensuring encryption is consistently applied without user intervention
- Help organizations achieve compliance and qualify for Safe Harbor protections, avoiding costly breach notifications
- Minimize data exposure even during unauthorized access, limiting financial and reputational damage.

KEY FEATURES

- Encrypt data at rest, in use, and in motion across endpoints, emails, file shares, and data transfers
- Centralized encryption management with automated policy-based controls
- Meets global standards such as GDPR, HIPAA, PCI DSS, and CDM with auditable encryption
- Assumes breaches will occur and integrates encryption as a proactive defense layer

Overview

Data breaches continue to rise, with the average cost reaching nearly $5 million globally in 2024—a 10% increase from the previous year—driven largely by financially motivated attacks and sophisticated social engineering scams. The rapid expansion of the digital economy has led to an explosion in data creation, expected to grow from 120 ZB in 2023 to 181 ZB by 2025, further increasing the challenge of securing sensitive information. Despite advanced security measures, the Zero Trust principle assumes that breaches will still occur, making encryption a critical safeguard. Regulatory compliance with standards such as CDM, PCI DSS, HIPAA, and GDPR mandates auditable encryption to protect customer data and, in the event of a breach, may grant Safe Harbor protections—eliminating the need for costly disclosure and mitigating reputational damage.

Secure Data in a Mobile and Collaborative World

The modern workforce relies on mobile devices, cloud sync services, and shared file servers for flexibility and collaboration—but these conveniences come with heightened security risks. Lost or stolen devices, unprotected cloud storage, and legacy data transfer systems create opportunities for both accidental leaks and malicious breaches. Without proper safeguards, sensitive data becomes an easy target for cyber threats. Organizations must enforce strict access controls, encryption, and secure data transfer protocols to mitigate these risks. The Symantec® Encryption portfolio provides comprehensive solutions to protect data across devices, shared environments, and business-critical transfer systems, ensuring security without compromising productivity.

Introducing the Symantec Encryption Portfolio

The Symantec Encryption Portfolio delivers flexible and robust data protection through three core solutions: PGP® Encryption Suite, Gateway Email Encryption, and PGP Command Line Encryption. Together, these offerings secure sensitive information at rest, in use, and in motion while providing centralized management, automated policy enforcement, and seamless compliance reporting. Integration with Symantec Data Loss Prevention further enhances security by automatically encrypting sensitive data across devices, emails, and shared environments.

THE SYMANTEC ENCRYPTION PORTFOLIO

Symantec Encryption Portfolio delivers flexible and robust data protection through three core solutions. These offerings secure sensitive information at rest, in use, and in motion while providing centralized management, automated policy enforcement, and seamless compliance reporting:

- **PGP Encryption Suite:** End-to-end protection for endpoints
- **Gateway Email Encryption:** Seamless email security
- **PGP Command Line Encryption:** Enterprise-grade security for automated processes

PGP Encryption Suite: End-to-End Protection for Endpoints

The PGP Encryption Suite safeguards data at rest and in motion across endpoints, email, and file shares, ensuring comprehensive encryption for remote and mobile users. Key components include:

- **Endpoint Encryption:** This technology protects sensitive data on laptops and removable media with full-disk and media encryption, helping organizations prevent data loss or theft while maintaining user productivity.
- **Desktop Email Encryption:** This software automatically encrypts, decrypts, signs, and verifies emails, ensuring messages remain secure before they traverse networks or cloud storage.
- **File Share Encryption:** This software extends access controls with end-to-end encryption for shared files and folders, maintaining security even when moving files. Policies can enforce automatic encryption for specific applications or locations.
- **Key Management Server:** This server centralizes encryption key storage, eliminating the need for local key installations and simplifying enterprise-wide encryption management.
- **PGP Encryption Server Admin Console:** This console provides a unified management platform, enabling efficient deployment and policy enforcement across endpoint encryption clients.

Gateway Email Encryption: Seamless Email Security

With email as a primary collaboration tool, Gateway Email Encryption ensures sensitive information—such as financial data, health records, or intellectual property—remains protected without end-user intervention.

- **Policy-based encryption:** This capability automatically encrypts messages using configurable rules, eliminating the need for client-side software or manual encryption.
- **Web email protection:** This feature securely delivers encrypted emails to external recipients via a web-based portal, enabling protected communication even without PGP software.
- **PDF message encryption:** This capability stores encrypted email copies as secure PDFs, ensuring data confidentiality during transmission.
- **Integrated threat protection:** This feature integrates with Symantec Messaging Gateway to enhance email security by filtering advanced malware, spam, and viruses.

PGP Command Line Encryption: Enterprise-Grade Security for Automated Processes

For organizations handling large-scale data transfers, PGP Command Line Encryption offers seamless and automated protection for mission-critical information.

- **Secure data exchange:** Encrypts bulk data stored on servers, preventing unauthorized access and supporting regulatory compliance.
- **Audit-ready digital signatures:** Generates audit trails through digital signatures, ensuring data integrity across business processes.
- **Minimal disruption, maximum security:** Integrates effortlessly into existing workflows, extending the lifespan of business applications while providing a proven cryptographic standard.
- **Cross-platform compatibility:** Supports multiple operating systems, securing enterprise-wide data transfers with minimal operational impact.

Summary

The Symantec Encryption Portfolio offers a comprehensive, scalable, and automated approach to securing sensitive data at rest, in use, and in motion. Whether safeguarding endpoints, email communications, shared files, or large-scale data transfers, these encryption solutions ensure confidentiality, compliance, and operational continuity—without disrupting business processes.

Why Choose Symantec Encryption?

- **End-to-end data protection:** Secure files, emails, and devices with industry-leading encryption technology.
- **Seamless policy enforcement:** Automate encryption based on centralized policies, reducing user burden and ensuring compliance.
- **Regulatory compliance made easy:** Meet strict data protection regulations (GDPR, HIPAA, PCI DSS) with auditable encryption controls.
- **Integrated security:** Combine encryption with Symantec Data Loss Prevention and Symantec Messaging Gateway for enhanced protection against cyber threats.
- **Minimal business disruption:** Deploy encryption with easy management tools and automated workflows, ensuring secure collaboration without complexity.

With PGP Encryption Suite, Gateway Email Encryption, and PGP Command Line Encryption, Broadcom delivers a trusted, proven solution for businesses looking to protect their most valuable digital assets—everywhere, at all times.

For more information, visit broadcom.com/Symantec-encryption.

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For more information, visit our website at: www.broadcom.com

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