ecrypt one

data leak prevention and compliance
for the Financial Services industry

ecrypt

*With Ecrypt One financial services providers
are able to remain competitive
while maintaining security and compliance – by default.*

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email is the centerpiece

of the enterprise information system

Email is the centerpiece of an organization's information system. Almost every role in a modern financial organization relies fully on their email system, with its messaging, calendaring and file sharing. For most organizations, their work revolves around the information flow of their email system. They have full trust, and reliance on the services provided by the email system.

The same email systems that let information flow so freely can also be detrimental and allow undesirable information to flow just as freely. Social engineering is the easiest way to get a virus behind the firewall – just send someone an enticing email with a viral payload. As a result, sensitive information can flow outside with the same ease as well.

Numerous add-on and afterthought products exist that attempt to solve the issues that email brings to organizations. Some are effective while some are easily thwarted. The result is a hodgepodge of bolted together parts that leave the IT administrator hoping it might be good enough.

The design of Enterprise email systems needs to be revisited. It needs "Newthink" on the information flow, one that incorporates information security and privacy as core requirements. It needs to be a system that is simple and trustworthy.
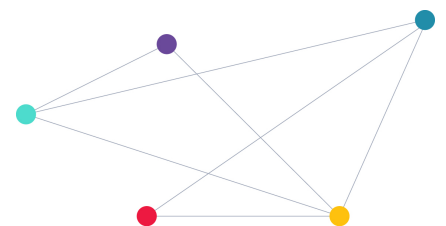
the most effective trade in the market.

Modern financial institutions are facing a dilemma. One side of the coin sees clients demanding the convenience of more virtual access, however, that's a huge threat to security. The other side of the coin shows security regulators are tightening the belt.

Conventional security's ineffective patchwork of add-on solutions show that the total cost of ownership seems to hit the bottom line harder than the threats they are supposed to defend against. These same current systems contribute to the difficulty in maintaining compliance, which impedes business development.

The effects of a breach can be devastating. Not only is an organization harmed financially, reputation and trust are also compromised in an industry where these are valued with such importance.

Our approach is to optimize the system, placing people at the heart of our solutions and making technology work harder. By considering each challenge as a part of a complete business problem, we can solve the dilemma in a cost effective and efficient way, lowering the total cost of ownership and expediting a return on security investment.

"This is really a slap in the face of the American financial services system. Honestly, this is a crisis point."

Gartner security analyst Avivah Litan about JPMorgan Chase hack

A recent study found that financial institutions realize the highest abnormal churn as a result of a data breach[1].

Another reported that financial services companies realize the highest average losses across all industries[2].

[1] Ponemon Institute's "2014 Cost of a Data Breach Study: United States" (2014)
[2] Deloitte Center for Financial Services "*Transforming cyber security New approaches for an evolving threat landscape*" (2014)

the name is one. ecrypt one.

Ecrypt One addresses the need for an information security solution that focuses on the financial industry's increasing regulatory pressures, necessity to adopt new technologies, and the importance of remaining competitive.

Ecrypt One is a security-first full service email system, designed to meet the risk tolerance levels of the most demanding and security-conscious organizations.

ROSI
Ecrypt One's smart engineering and ease of use provide a quicker 'Return On Security Investment' and lower total cost of ownership.

Reinforcing Security Policies
Ecrypt One uses technological means to prevent leaks caused by human factors such as failure to follow policies, judgment errors and criminal intent.

Productivity
Extremely transparent and seamless implementation and deployment, low latency, and excellent human factors interface for efficient workflow experiences.

Ecrypt One optimizes operations and reduces overhead through simplicity of deployment, use and ongoing management. Allows firms to remain competitive and agile by embracing modern methods of doing business, such as virtualization and BYOD, while operating securely within a closed system. Integrates seamlessly into existing workflows, eliminating learning curves.

Secure Visitor Access Point

The visitor access point is a completely secure email interaction portal. It enables organizations to communicate securely with external parties, such as business associates and patients, without compromising security and privacy.

Role Based Access Controls

Provides agencies with absolute ability to control and limit access to the system, preventing the unauthorized access to, and distribution, of data.

Compliance

Ecrypt One provides a comprehensive compliance toolset including full, easy-to-manage audit and reporting capabilities. HIPAA compliant, it exceeds current regulations keeping you ahead of the curve and frequent changes.

The system demonstrates compliance with acts, standards and regulations, including the Sarbanes-Oxley Act (SOX); Gramm-Leach-Bliley Act (GLB) Act; Personal Information Protection and Electronic Documents Act (PIPED Act, or PIPEDA); and the European Union Data Protection Directive.

Seamless Integration

Ecrypt One easily conforms and integrates into existing network enterprise equipment.

The use of open standards where possible, ensures the highest levels of interoperability, availability and compatibility, with existing and future enterprise infrastructures.
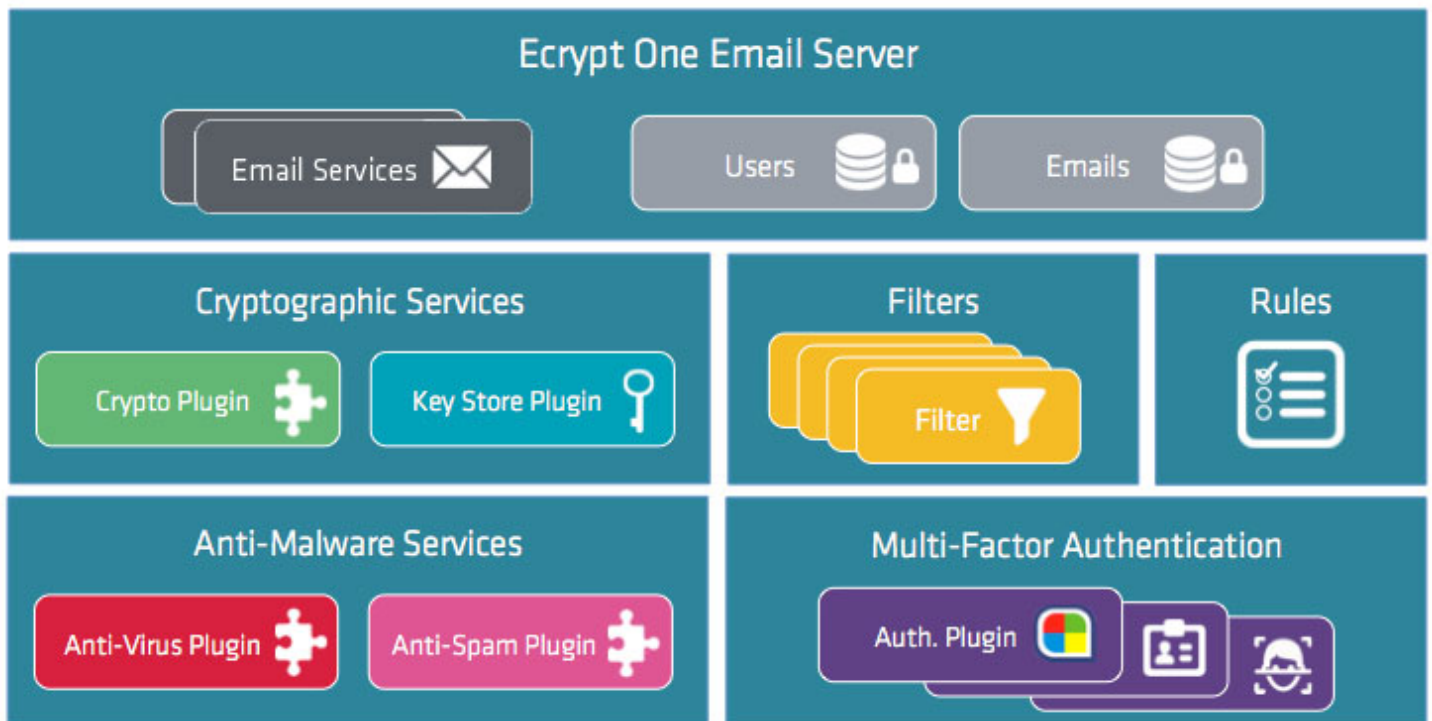
ecrypt one. editions.

Email	Ecrypt One MI	Ecrypt One Gov.	Ecrypt One	Ecrypt One Light
Multiple server support with Encrypted Link	✓	✓	✓	
Multiple server support with Variable Crypto Encrypted Link	✓			
IMAP/SMTP protocols (pull)	✓	✓	✓	✓
ActiveSync protocol (push)	✓	✓	✓	✓
Contacts and Calendar synchronization	✓	✓	✓	✓
Web Mail and Visitor Access Portal				✓
Embeddable Web Mail and Visitor Access Portal	✓	✓	✓	
Standard Content Filtering	✓	✓	✓	✓
Custom Content Filtering	✓	✓	✓	
Rules Engine for Information Rights Management	✓	✓	✓	✓
Cryptographic Key Storage				
Windows Keystore	✓	✓	✓	✓
Ecrypt Encrypted Keystore	✓	✓	✓	✓
Hardware Encrypted Keystore compatibility	✓	✓	✓	
Custom Keystore plug-in support	✓			
Data Encryption				
AES data encryption	✓	✓	✓	✓
AES, Blowfish and Elliptic Curve encryption	✓	✓	✓	✓
Custom encryption plug-in support	✓			
Authentication				
Two-factor authentication via SMS	✓	✓	✓	✓
Two-factor authentication via email	✓	✓	✓	✓
Google Authenticator integration	✓	✓	✓	
Smartcard authentication integration	✓	✓	✓	
Biometric authentication support	✓	✓	✓	
Custom two-factor authentication support	✓	✓	✓	
Security				
Outlook Public Key integration (PGP)	✓			
Public Key security services	✓			
Standards and Compliance				
Basic auditing and reporting				✓
Enhanced, extensible auditing and reporting	✓	✓	✓	
FIPS compliance mode	✓	✓	✓	
Government Cloud hosting option	✓	✓		
Security standards compliance	✓	✓	✓	
Mobility				
iOS, Android, Windows Phone, and BlackBerry OS compatibility	✓	✓	✓	✓
Mobile Device Management system integration	✓	✓	✓	
MDM PKI security support	✓	✓	✓	

our service.

We will work alongside your management and technical teams to ensure the solution is fine tuned to meet your unique needs and that installation is undisruptive to your operations.

Once you are up and running, our support staff will be available should you need any assistance with using or managing the system.

Discovery Phase
This includes assembling a comprehensive understanding of an enterprises current system infrastructure. We will explore both technology and operational needs to gain a 360° understanding of the business purpose for the security deployment.

We will work with you to define system requirements, outlining what will need to be added, removed or changed in the existing technical infrastructure.

Customization Phase
This is where the system is tailored to meet all your enterprise needs in a fully bespoke solution.

This includes tasks like applying your security policies to core system rules, and branding of user facing interfaces.

Implementation Phase
Our engineers will work with IT on installation, integration into your existing infrastructure, and system orientation.

Service specialists will work with other necessary departments on deployment, and orientation of relevant employees.

Post-Sale
Included in our service are unlimited access to help desk assistance, and product updates.

Added Benefit Options
We also offer complimentary technologies - through trusted partnerships - to optimize your system for things like data integrity assurance and user authentication.

We can, of course, also integrate with your existing solutions already in place.
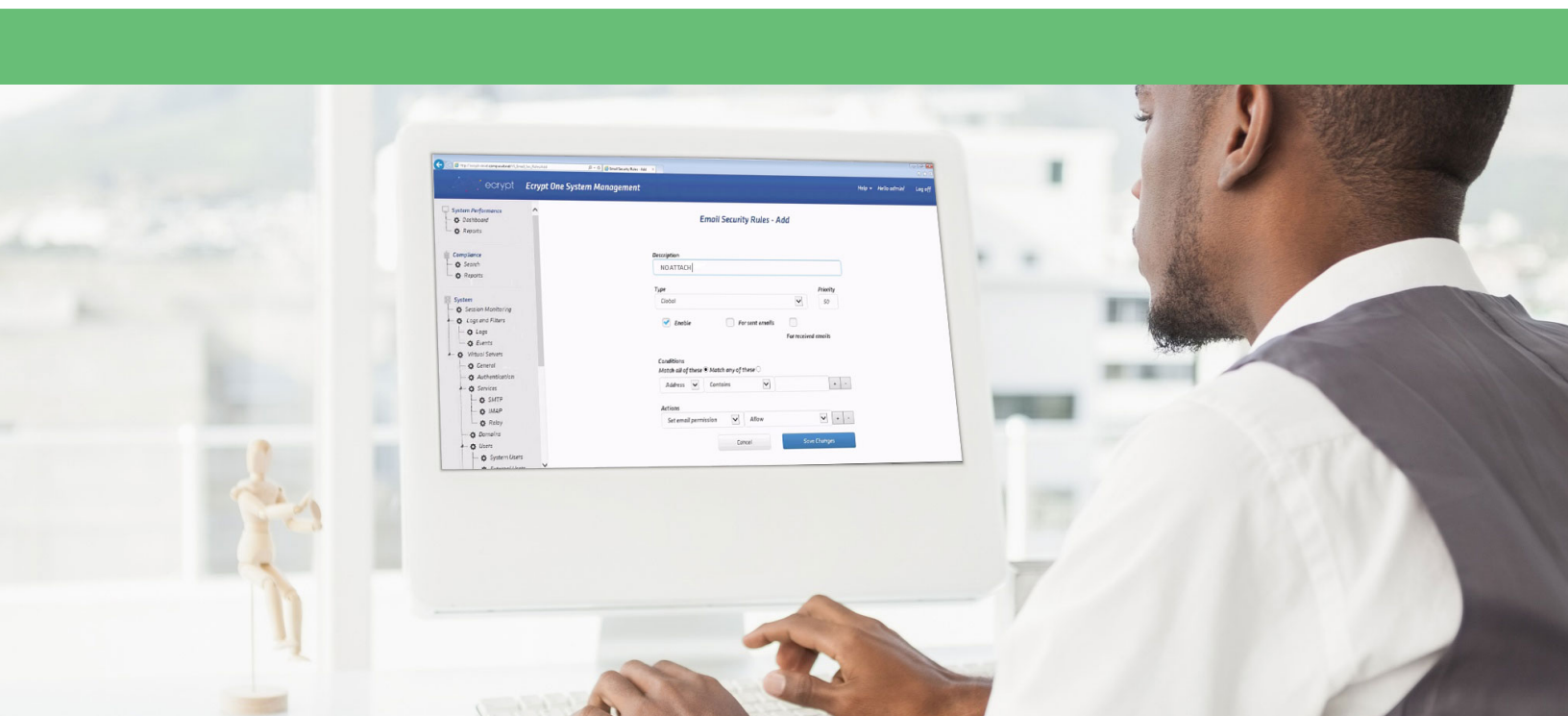
what's next?

Let's talk about your security and innovation initiatives, and how our solution might fit in.

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sales@ecryptinc.com

Visit our website for more information about Ecrypt One, and the other great products in our portfolio.

ecryptinc.com/ecrypt-one

Share and socialize - check out our other informative content:

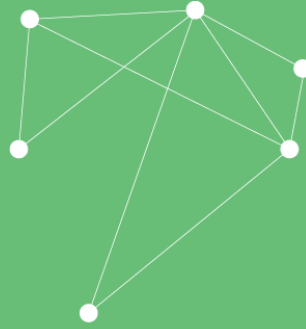twitter.com/ecrypt

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smart simple security

About Ecrypt Technologies

Ecrypt Technologies, Inc. is a high technology security solutions portfolio provider that assists corporate entities, governments and individuals protect their organizations against both physical and cyber-attacks through its offering of the most technically-advanced, cost-effective and reliable software, tools and systems.

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