



■ MailControl Encryption Technology Overview

BlackSpider MailControl Encryption is an on-demand policy-driven service that enables the delivery of secure email communications between business partners and to individuals.

Simplicity & Low Total Cost of Ownership

Many organisations value the benefits that can be realised by encrypting email communications, but for most the cost and complexity of implementation and ongoing management is too high. The result is that the risks associated with sending sensitive emails unencrypted and vulnerable are often accepted.

MailControl Encryption provides a cost effective alternative to implementing a full desktop-to-desktop solution. It requires no additional hardware or software and is simple to deploy and manage for both administrators and end users.

Policy Driven Encryption Rules

With MailControl Encryption the email administrator establishes a policy for the organisations for which secure email communications has to be established. This enables the creation of communities for which encrypted email exchanges are enforced. The standards-based TLS protocol is used to encrypt the communication tunnel between MailControl customers and recipients specified in the policy.

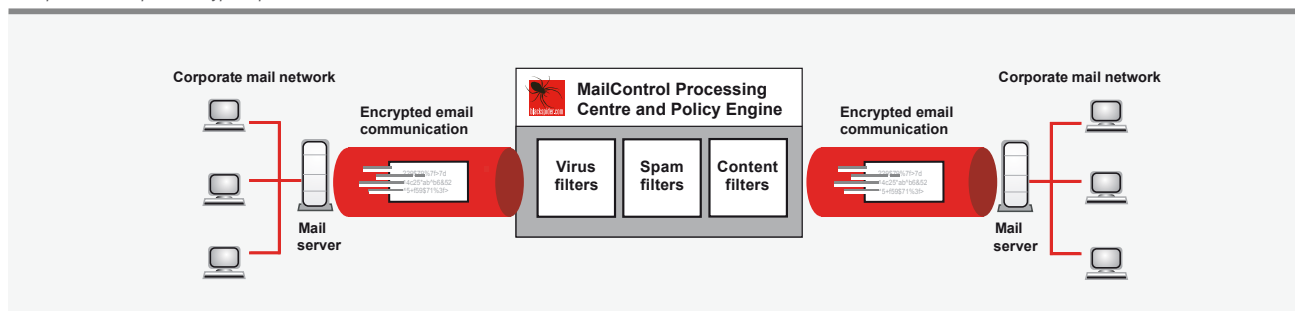
To encrypt emails to a recipient who is outside the TLS-based encryption policy the user simply specifies a pre-defined trigger in the email subject. The email is saved into an encrypted quarantine store from where the recipient can access the email over a secure web-based connection using a password supplied by the sender. This removes the requirement for complex key management and exchanges.

Integration with other MailControl Services for Uncompromised Security

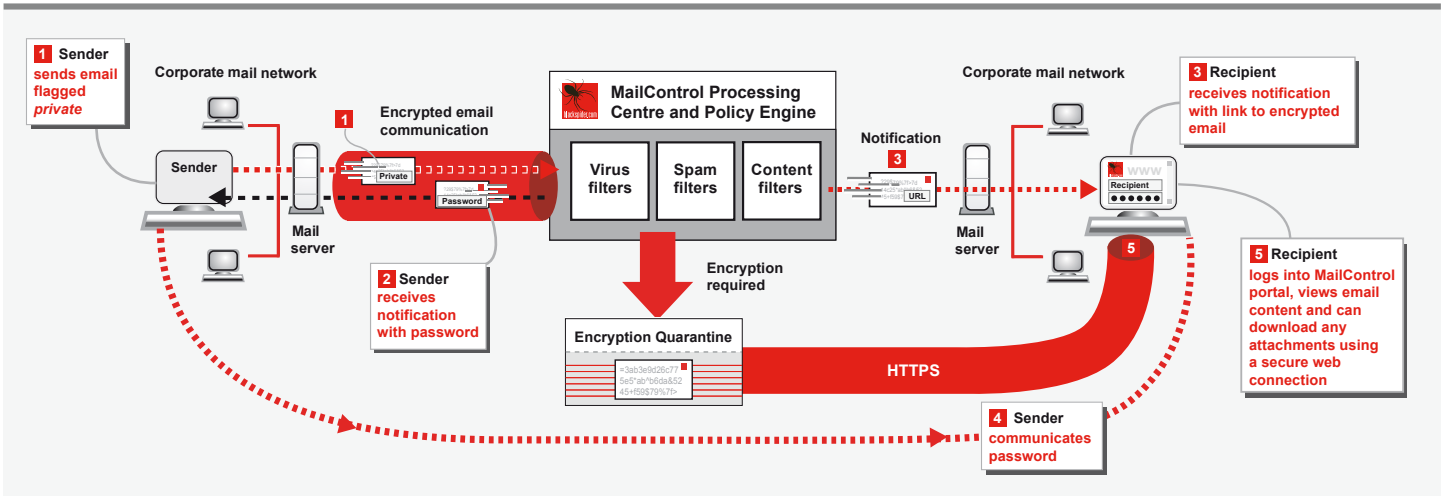
The problem with traditional desktop-to-desktop encryption solutions is that all existing email security policies are compromised since no centralised AV, spam or content filtering engines can scan the email.

MailControl Encryption acts as a trusted third party and is seamlessly integrated with MailControl Anti-Virus, Spam and Content filtering services. This ensures that your email security policy is implemented on all inbound or outbound emails prior to them being encrypted for onward delivery.

Enterprise-to-enterprise encryption process



Enterprise-to-individual encryption process



Key Benefits of MailControl Encryption

- Enhanced privacy of communication
- Enhanced message integrity
- Provides authentication
- Low total cost of ownership
- Enforces security policy on secured email
- Simple to implement and manage
- Transparent operation – no user training required
- No additional hardware or software required
- Drive compliance with key regulatory requirements

Key Features of MailControl Encryption

- Centralised control of encryption policy
- Enterprise-to-enterprise and enterprise-to-individual encryption
- Integration with other MailControl services for uncompromised email security

Enterprise-to-enterprise encryption

- Force encryption to specified domains
- Create encryption communities
- Industry standard TLS protocol provides interoperability with standard email gateways
- Outbound emails will never be delivered unencrypted

Enterprise-to-individual encryption

- Send ad-hoc encrypted emails
- Requires no email client plug-ins for sender or recipient
- Email saved to encrypted quarantine store
- Recipient requires secure link and time-bound password to access email