

# Email Encryption

## Secure messaging

### Compliance and Policy Driven Secure Email Delivery Service

#### Email encryption overview

Email Encryption from BAE Systems makes it easy to send secure, encrypted messages to anyone, no matter what email system they use. Password-protected, secure web portal access ensures delivery integrity and confidentiality. Once a message is delivered, the recipient must login to retrieve it. The service is administered via our Security Management Console where a dashboard tab shows real-time information, a Message List tab that provides a comprehensive audit trail of every message, and a Reporting tab that shows useful information for current and prior months that can be saved as a PDF for later use. There are also tabs for Rules Management and an Exempt List.

#### Email encryption from BAE Systems

When an email user is subscribed to our service, each outgoing message is scanned by a content filtering engine. The filtering engine checks for "Secure:" in the Subject: field as well as any other Available Rules or Custom Rules to which the client is subscribed. The email is encrypted, stored in a secure server, and a notification is sent to the recipient(s) that a secure email is available for viewing. The notified recipient must then click on the link and is taken via SSL, a secure Web communications protocol, to a registration page to create login credentials, or a login page if previously registered. The server infrastructure is well-protected inside our secure data center by multiple layers of intrusion defense systems.

Email administrators have access to our portal to review important information about all users' activity and can access some useful configuration features there as well. If the client is subscribed to the Email Compliance Archiving service from BAE Systems, all messages including replies are stored for compliance purposes.

## How our email encryption works

### Sender

**A:** Two options to send secure email:

1. User Defined – in the subject line, simply type in the word Secure:
2. Pre-defined per company:
  - Domain of recipients
  - By sender
  - Keywords (i.e., password, confidential)
  - Number patterns (i.e. Social Security and Bank Account numbers)

**B:** Sender receives two notifications

1. Upon message being received by portal
2. Upon message being viewed by recipient

### Recipient

1. Email notification arrives in the inbox with the subject line: Email Encryption New Message Notification. The notification will link recipient to login page (or the registration page – for new recipients)
2. Upon registration the recipient simply logs into the portal
3. Recipient can then view their secure messages in their Encryption mailbox
4. Recipient can reply securely through the portal, creating a secure closed-loop communication

## Benefits of email encryption from BAE Systems

Key features	Benefits
The infrastructure is owned and operated by BAE Systems and requires no software at your location	No software to install or public/private keys to keep track of
A variety of tracking and reporting capabilities including: <ul style="list-style-type: none"> <li>+ Daily Message Volumes</li> <li>+ Top Senders</li> <li>+ Message Details</li> <li>+ Subscribed Senders</li> </ul>	Know who is sending and be able to provide tracking on all secure emails for reporting and compliance purposes
Encrypted handling of all sensitive content determined by rules covering: <ul style="list-style-type: none"> <li>+ Senders</li> <li>+ Number Formats and Keywords</li> <li>+ Recipients or Domain</li> <li>+ Document Types</li> </ul>	A variety of rules to be able to flag a message as secure. Prevents people from sending out secure data such as SSN and credit card numbers without it first being sent securely
Secure facility for recipients to “reply to” the secure message	The recipient of a secure email can only reply back to the sender. They can not forward the message or copy anybody else. This keeps the message secure
Online web portal with customization and branding	You are able to brand the system as if it is being sent by your company instead of a third party

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