

Secure Email Service



e-Solutions Secure Email Service (SES) enables organisations and individuals to send and receive secure and encrypted email directly from their email client software, such as Outlook, Notes or Webmail.

What does SES provide?

Confidentiality—SES ensures that data or information is not made available or disclosed to unauthorised persons or processes.

Authentication—SES implements user authentication, corroborating that a user is who they claim to be. This is needed to prevent the improper identification of a user trying to access secure data.

Data integrity—SES uses a security mechanism to ensure the validity of the information being sent or stored. SES provides corroboration that data moving over the network has not been altered or destroyed in an unauthorised way.

Access Control—SES restricts access only to authorised users.

The benefits of SES

Cost effective: Secure email significantly decreases paper, postal and overhead costs (up to 90%) associated with mailing paper documents.

Secure Data: Only designated recipients can access the encrypted information. Concerns regarding interception and eavesdropping in transit are eliminated.

Operational: Because of security concerns regarding email, many businesses do not use email to communicate with their customers and business partners. Secure email closes this gap.

Flexibility: SES is a solution suitable for individuals, small and medium-sized organisations, and large corporations such as banks and insurance companies. Tailored offerings are available and SES can interoperate with all major encryption standards.

Benefits for users:

- ◆ Easy one-time registration.
- ◆ Transparent to users.
- ◆ Supports all SMTP email clients.
- ◆ Encryption based on password or digital certificate.
- ◆ Optional web-based or PDF encrypted email delivery.
- ◆ Clientless email decryption.
- ◆ Supports PGP, S/MIME (PKI) and symmetric keys
- ◆ Optional plug-in for the email client software.
- ◆ Anti-virus and malicious code detection and removal (outgoing email).
- ◆ Facilitates Sarbanes-Oxley, HIPAA, GLBA, Basel II compliance.

Genie Appliance

- ◆ 2u appliance which can be rack-mounted or positioned on a desk
- ◆ Configured to read all email—inbound and outbound.
- ◆ Decides whether email should be encrypted based on pre-configured rules or user activated “button” and automatically forwards to SES Centre
- ◆ Decrypts inbound email automatically



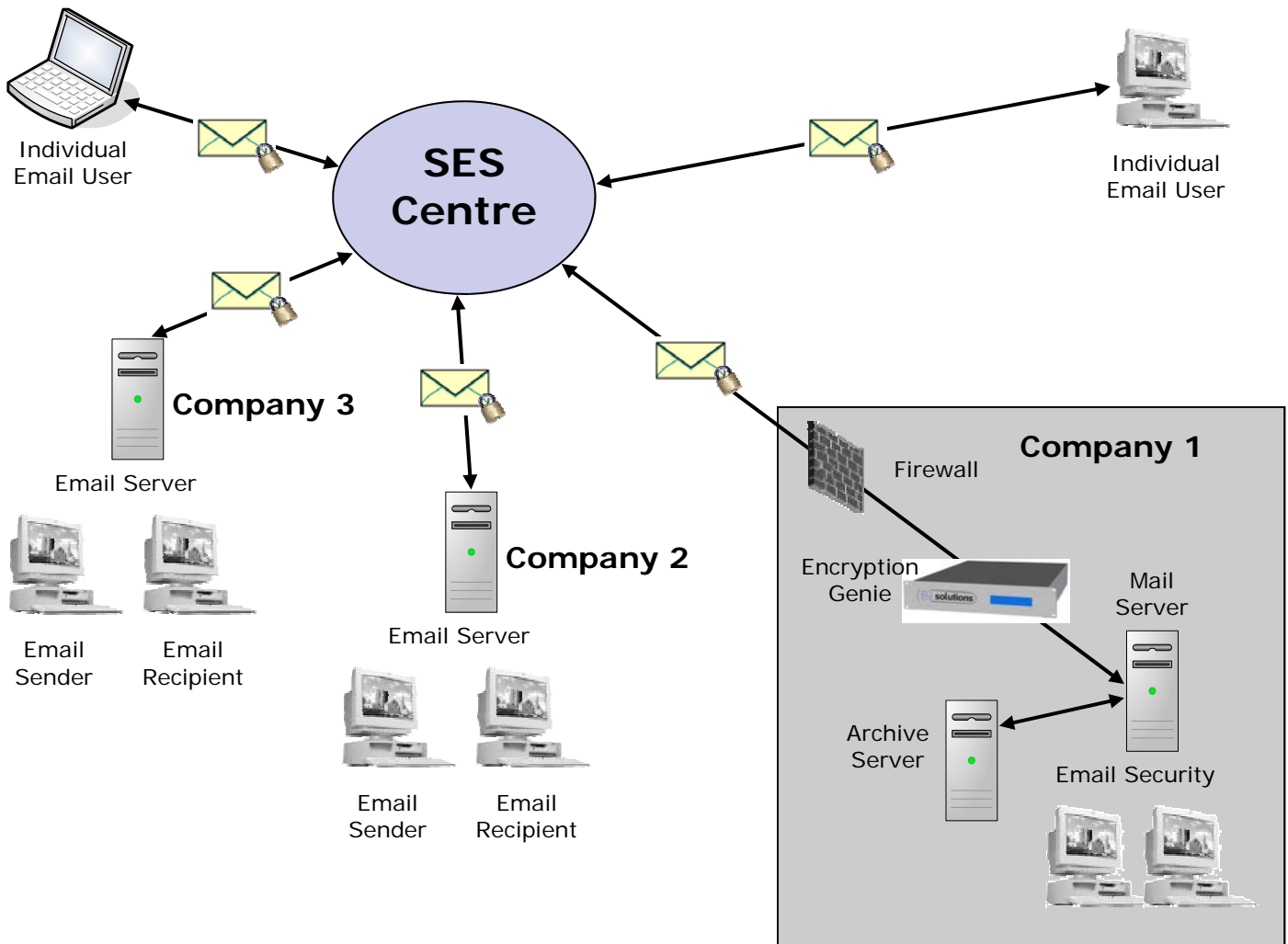
How does SES work?

The exact configuration for each client is different and depends upon:

- ◆ The number of users.
- ◆ The amount of email traffic expected.
- ◆ Whether a Genie appliance is beneficial.
- ◆ The user's choice of email client and/or email service provider.

For example, the typical configuration, shown right, would permit Company 1 to:

- ◆ Archive all mail sent and received to their own internal archive server.
- ◆ Examine all outbound mail and encrypt automatically based upon pre-agreed rules.
- ◆ Receive encrypted emails from clients, customers and suppliers.
- ◆ Examine all inbound emails and route as required to improve operational effectiveness.



Further information Please contact us for more detailed information on our range of email management solutions and how they can be tailored to meet your specific business requirements.

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