Egress Switch and
Microsoft Office 365

Microsoft Office 365 offers significant benefits and cost savings to organisations across all industries, however one of the biggest barriers to adoption is the concern around the security of data stored and released from the Office 365 environment.

Egress Software Technologies has been working with Office 365 to address many of these wider concerns and has deployed Egress Switch within the Office 365 environment in order to provide a highly integrated and scalable security solution.

The benefits

- Secure your information in an Office 365 environment

- Data is encrypted at rest as well as in transit

- Flexible deployment supports hybrid and fully hosted implementations

- Encryption at the desktop secures inbox data and sent items

- Seamless integration into hosted Microsoft Outlook

- Control and audit all information leaving your organisation

- Revoke access to information, even after it has left your network

- Support a fully mobile workforce using secure mobile apps

- Remain compliant with industry or government regulations regarding secure data exchange

Seamless integration

Egress Switch Secure Email and File Transfer can be seamlessly integrated into any Office 365 environment. There are a number of ways this can be achieved:

- Outlook add-in
  For Office 365 environments that utilise a Microsoft Outlook desktop client, Switch can be deployed directly into Outlook via a fully customisable add-in. The add-in can provide policy-based encryption for both internal and external recipients.

- App / online portal
  For organisations looking to simplify end-user experience using Outlook Web Access, Switch can provide customisation and policy-driven encryption via the Switch Office 365 app.

Flexible deployment

Switch offers flexible deployment options that provide organisations with the confidence and security they need in order to adopt a fully hosted Office 365 environment.
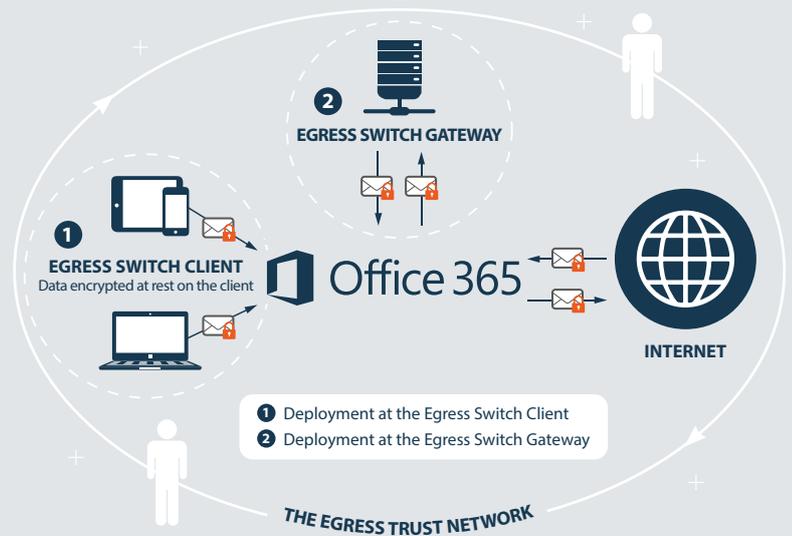
By performing encryption at the desktop, sent items and inbox content can be stored in encrypted format and therefore secured at all times, regardless of where the underlying data is stored. Policies can be applied so that sensitive content can be transparently decrypted for authorised viewing and always re-encrypted at rest.

The unique Switch encryption key management ensures that data and keys are kept separate at all times, providing users with high levels of assurance around who is able to access their data.

Flexible deployment at the gateway

The Switch Client can also operate in a hybrid mode, with the Outlook Add-in configured to tag messages for encryption. Messages tagged for encryption either by policy or user selection can be automatically encrypted by Egress Switch Gateway at the boundary before exit from the Office 365 environment.

Switch Gateway provides seamless encryption and decryption on the SMTP protocol. Utilising the comprehensive rules engine in Office 365, email encryption and decryption can be tightly integrated into the Office 365 platform. Switch Gateway can either be self-hosted or hosted by Egress, with the option to store email in encrypted or decrypted format based on classification or sensitivity.

In the diagram:

② EGRESS SWITCH GATEWAY

① EGRESS SWITCH CLIENT
Data encrypted at rest on the client

Office 365

INTERNET

① Deployment at the Egress Switch Client
② Deployment at the Egress Switch Gateway

THE EGRESS TRUST NETWORK

Authenticated access control

Switch provides the capability to set up additional authentication protocols for accessing secure content or tying into existing authentication, such as Active Directory via Active Directory Federation Services (ADFS). Switch also supports Secure Assertion Mark-up Language (SAML) 2.0 protocol, which enables easy integration with third party identity and cloud SSO providers.

Features and technical specification

- Provide transparent encryption of email in transit and at rest utilising AES-256 bit encryption

- MS Outlook Add-in for Outlook 2003/2007/2010/2013 provides local and gateway-based encryption

- Office 365 App available for integrated browser experience

- Encrypt sensitive content at rest within Office 365 cloud and local client cache

- Mobile apps for MS Windows Phone, iOS and Android for seamless email encryption

- Integrates seamlessly with Microsoft Office 365 data loss prevention and content filter policies

- Egress Switch gateway integrates seamlessly with Office 365 and provides infinitely scalable cloud architecture

- Integrate with Office 365 hybrid mode

- Provide email and document classification

- Real-time access control and auditing of all encrypted content

About Egress Software Technologies Ltd

Egress Software Technologies is the leading provider of information security services designed to secure shared data from start to finish and delivered to customers in the Public and Private Sectors using a single platform: Egress Switch.

Taking a holistic approach to information security, the Switch platform is made up of highly integrated and flexible service lines that enable users to securely share and collaborate on sensitive data. These award-winning services include email and document classification, the only email and file encryption product to be CPA certified by CESG, secure managed file transfer, and secure online collaboration.

Using patented key management, the platform utilises a unique community-based licensing model that consists of paying and free Switch subscribers, who are able share information securely with one another using a single global identity.

CESG Certified Product
Foundation Grade
35512043DGEE

Common Criteria

FIPS VALIDATED 140-2
FIPS 140-2 Inside

bsi. ISO/IEC 27001 Information Security Management

CYBER ESSENTIALS PLUS