Data Resolve

Cyber Security & Intelligence
for Enterprises

INDEFEND BUSINESS

Secure Email Gateway

An Intelligent Approach for Extended Security

www.dataresolve.com

Why Securing Outbound mails is important?

In today's digitally connected world, email (Electronic mail) continues to be the top medium for communication by organizations. With heavy usage and reliance on email as a medium of corporate data communication and exchange, the presence of security threats continues to be a major concern. Hence, it is important for organizations to protect their important and critical data against leakage or confidentiality breaches happening through corporate email.

On a daily basis, a large number of mails are sent by the organization's employees from their official mail accounts. With increased acceptance of enterprise mobility, end users are now able to access corporate email via personally owned mobile devices as well. Organizations need to safeguard themselves against any employee that may have an intention to leak data outside office hours, from any other personal device.

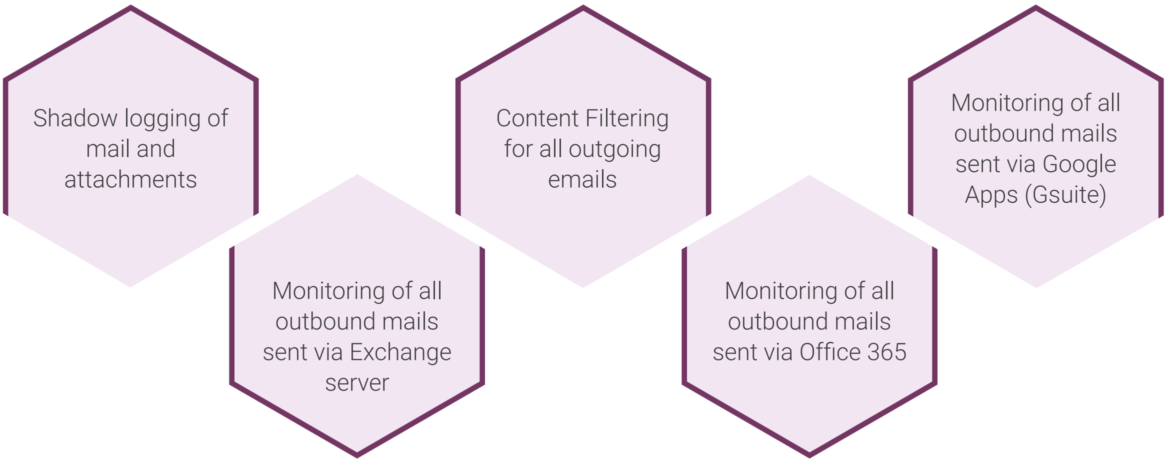
Secure Email Gateway (SEG) Approach

Secure Email Gateway (SEG) provides a protection layer on sensitive content going via corporate email channel to any third party, via agentless approach.

Data Resolve offers the capability to monitor and block outgoing emails with sensitive content via a gateway based approach, christened as inDefend Secure Email Gateway (SEG).

inDefend-SEG analyses all outgoing email content, applies security policies as defined on the inDefend Server and transmits the generated logs along with shadow copy of the email content, to the inDefend Server.

Secure Email Gateway (SEG) Approach



Shadow logging of mail and attachments

Monitoring of all outbound mails sent via Exchange server

Content Filtering for all outgoing emails

Monitoring of all outbound mails sent via Office 365

Monitoring of all outbound mails sent via Google Apps (Gsuite)

Secure Email Gateway (SEG) Approach

inDefend-SEG deployed in inline (MTA) mode

The below diagrams illustrate a typical network topology where inDefend-SEG is deployed in inline mode.

In such a configuration, the organization's mail server relays a copy of each outgoing email to inDefend-SEG, which then takes a suitable action, namely allow, block or notify on the email based on content analysis.

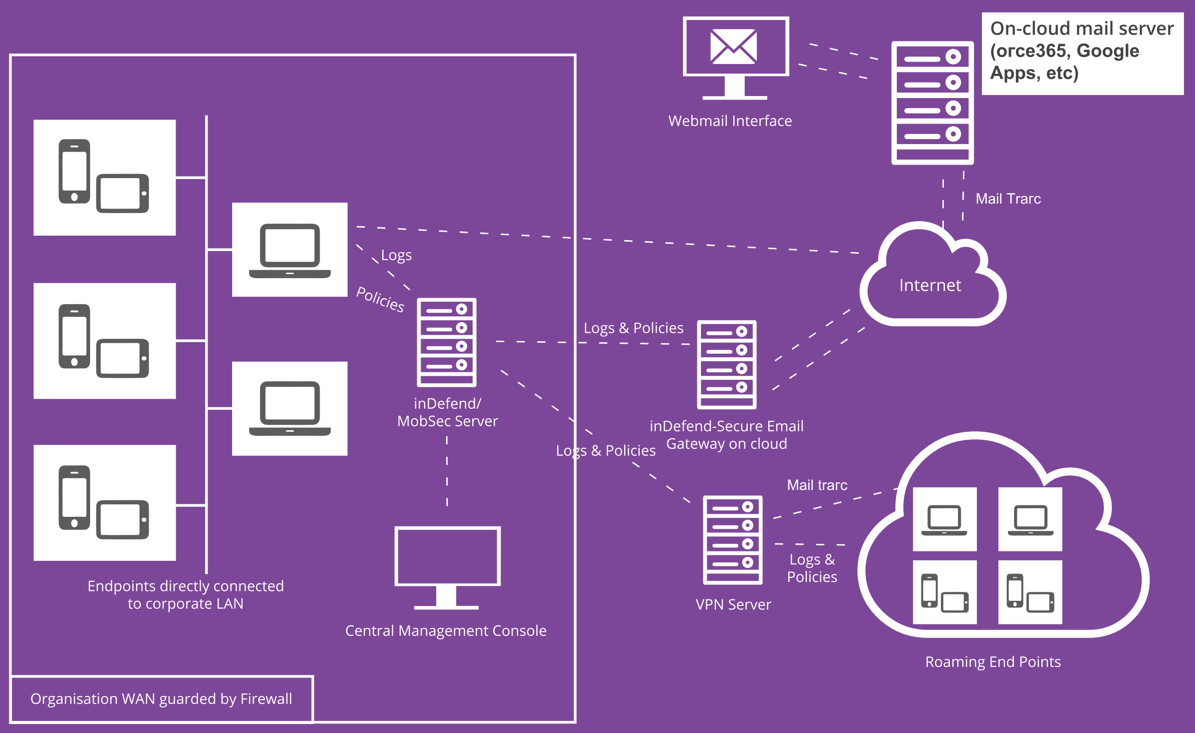
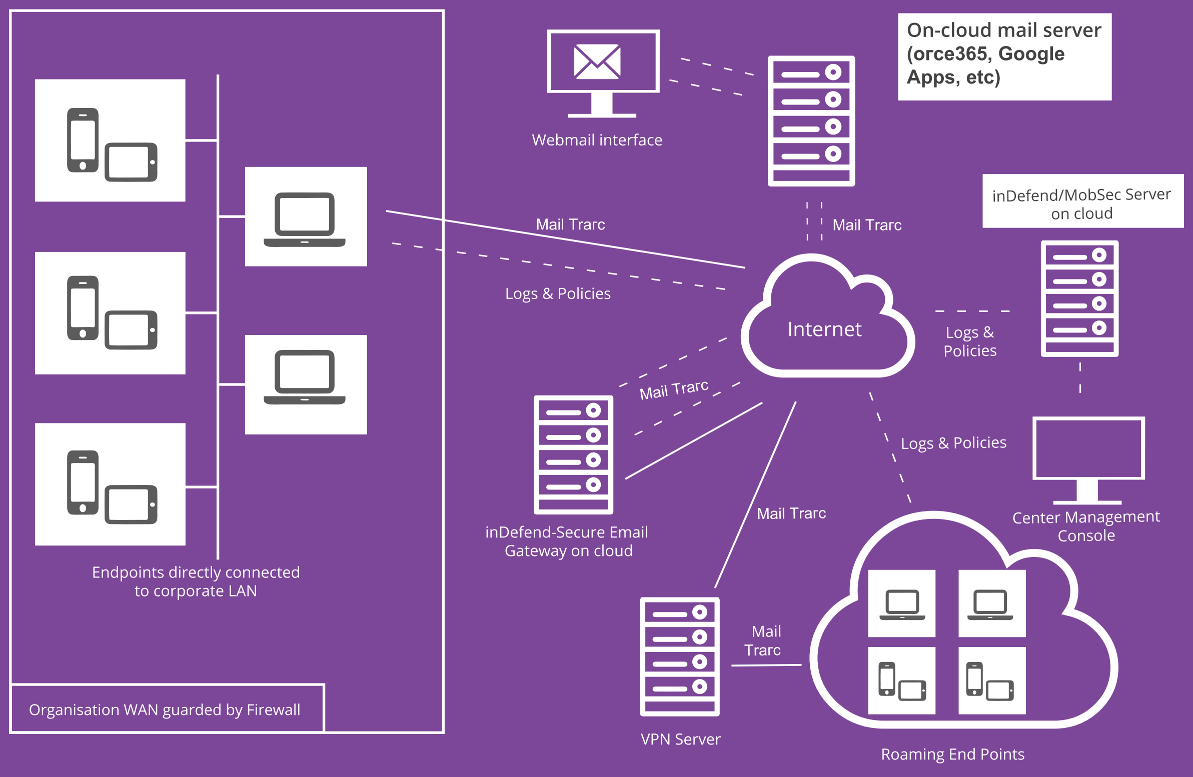

Webmail Interface
On-cloud mail server (orce365, Google Apps, etc)
Mail Trarc
Internet
Logs
Policies
inDefend/ MobSec Server
Logs & Policies
inDefend-Secure Email Gateway on cloud
Logs & Policies
Mail trarc
Logs & Policies
VPN Server
Roaming End Points
Endpoints directly connected to corporate LAN
Central Management Console
Organisation WAN guarded by Firewall

Figure 1.0: Typical network topology diagram for email analysis in inline (MTA) mode for cloud-based mail servers


On-cloud mail server (orce365, Google Apps, etc)
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Logs & Policies
Center Management Console
Mail Tarc
Endpoints directly connected to corporate LAN
Mail Tarc
Organisation WAN guarded by Firewall
VPN Server
Roaming End Points

Figure 1.1: Typical network topology diagram for email analysis in inline (MTA) mode for cloud-based mail servers for roaming end points

System Requirements

Hardware & Software Requirements

64-bit operating systems of the following flavors of Linux are supported viz:

- Ubuntu (14.04 LTS and above)
- RHEL 7.x
- CentOS 7.x
- Fedora 19 and above

RAM- 8 GB free (minimum) **Storage -** 50 GB free (minimum)

System Requirements

- Deployment supported either on customer's private cloud, or Data Resolve's managed cloud
- Compatible with both on-premise and on-cloud deployments of inDefend server

Key Benefits

- Visibility for all outgoing corporate e-mails, even from alien devices
- Helps to know details of the o ender in the organization in case of data leakage scenario
- In-depth analysis of outgoing corporate emails with information about sender, recipient and mail content

Data **Resolve**

*Terms and conditions are applicable on the features as mentioned in this document. For any clarification, please connect with team Data Resolve

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