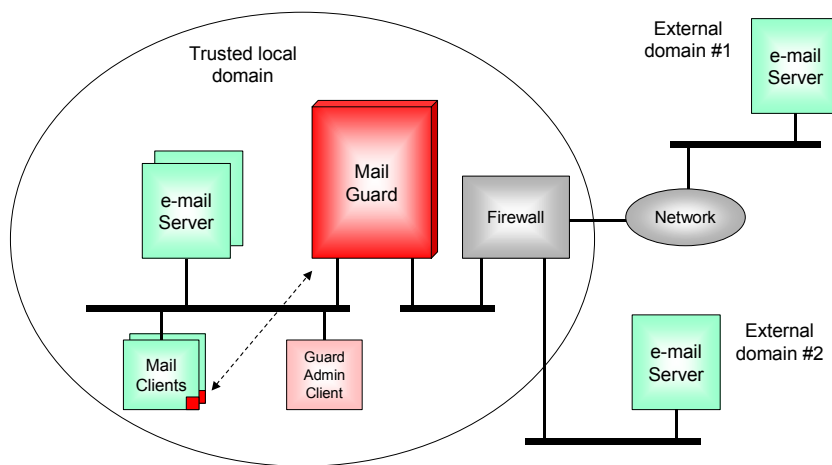


# XOmail/Guard

The MLS-certified *X.400 Mail Guard* variant

The XOmail/Guard family comprises multiple product variants based on the XOmail platform. The Multi-Level Secure characteristics of XOmail make it suitable as a secure messaging gateway ("Mail Guard") between networks with different security characteristics. The *X.400 Mail Guard* variant was MLS-certified in June 2000 and is a proven solution used by e.g. many NATO-led operations.

Mail Guard configurations allow a minimum connectivity using message-based information between domains that cannot be directly connected. A typical scenario is a national or NATO domain on one side and one or more mission networks on the other side.

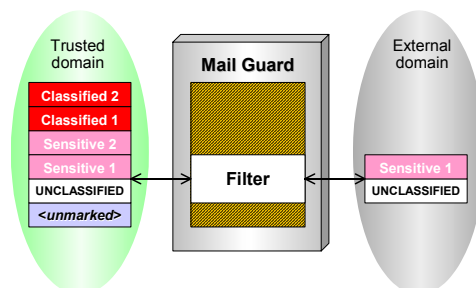


A minimal configuration has a trusted local classified segment and an external segment controlled by another party. The Mail Guard ensures that only properly labelled messages within an allowed range can pass. A Firewall is typically used to further protect the Mail Guard from hostile attacks at the network level.

The off-the-shelf configuration is prepared for Microsoft Exchange® with a built-in X.400 Connector as the e-mail servers and Microsoft Outlook® as the Mail Clients.

## Mandatory use of Security Labels

The Mail Guard concept relies on mandatory use of Classifications or Security Labels. Only properly labelled messages are allowed to pass through the Guard. The labels must be within configurable limits.



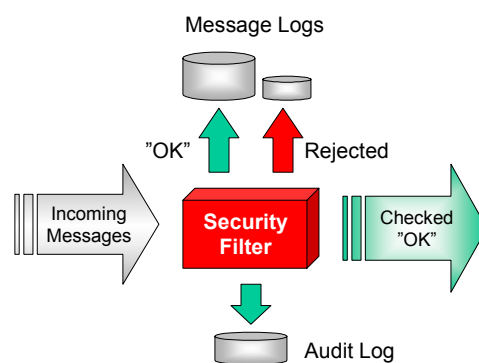
Messages with specific classifications can be allowed to pass, while all other messages are stopped. E.g. "KFOR RESTRICTED" can pass, while "NATO RESTRICTED" can be stopped. Markings like "... RELEASEABLE TO ..." can also be part of the criteria.

An add-on to Microsoft Outlook® is available to ensure that the classification is always set when a new message is created. Two alternatives for the plug-in can be used:

- Thales Trusted Mail
- The Classify® utility

## Logging

The Mail Guard maintains Logs and Audits to ensure traceability. Separate Logs are maintained for messages that successfully pass through the Mail Guard and for Invalid Labels, Missing Labels or other errors.



## Administration

A Mail Guard Client running on Windows® 2000/XP/2003 is available for daily administration of the Mail Guard inside the Trusted Domain. This Client gives access to

- The Audit Log
- The Message Log
- The Alarm List

Mail Guard Server administration is available via *telnet* (or similar) inside the Trusted Domain using a character oriented menu driven user interface.

## Certification/Platforms

The combination of XMail software version 8.6.2 and the certified Unix System V/MLS running on Pentium-based hardware has been certified by the Norwegian Security Authorities for conformance to Trusted Computer Systems Evaluation Criteria (TCSEC) class B1+ (e.g. including class B2 Covert Channel Analysis).

The Unix System V/MLS requires specific hardware and the MLS-certified *X.400 Mail Guard* is only available as a bundled hardware/software product from Thales.

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