

XD Mail™

eMIST



Assured Information Sharing (AIS) Solution

Tresys XD Mail delivers high security and performance in an appliance-based SMTP gateway for inspection, cleansing and filtering of enterprise email.

XD Mail (TM) [USG program name eMIST] implements state-of-the-art content filtering and cleansing in an SMTP gateway solution that can effectively inspect, clean, and filter enterprise scale volumes of email. This includes addressing the complex attachments that are part of the ordinary enterprise transaction flow. XD Mail implements the ultimate in whitelist protection against Zero-Day events by creating an environment in which administrators can permit only known good email content to traverse the domain boundary. Where there is a concern about exfiltration of data from a network via email, the combination of content inspection, cleansing, and dirty word filters can expose attempts to purposely or accidentally move information improperly from the domain.

Isolated Environments Uses SELinux and Tresys VM Fortress to positively isolate the "dirty" side of the application from the "clean" side where sanitized files are stored.

Adaptable Filters Provide state of the art identification of advanced malware and viruses and integrates new filters as other attacks are identified in the future. Filtering features include the following:

- Detect virus or malware infected files
- Clean and verify files are cleansed
- Remove unknown file types
- Remove steganography
- Analyze, remove, and cleanse embedded objects
- Remove or cleanse color or size obfuscated text
- Remove macros from documents
- Remove or cleanse metadata
- Remove unrecognized data
- Validate file formats
- Hidden content identification and cleansing

Supported File Types

XD Mail supports many file types, including the following:

Microsoft® Office (97-2007)

- Word (.doc, .docx, .docm)
- Excel (.xls, .xlsx, .xlsm)
- PowerPoint® (.ppt, pptx, .pptm)

Text and Presentation Files

- ASCII text files (.txt)
- Portable Document Format (.pdf)

Compressed Files

- BWT zip (.bz2)
- UNIX tar (.tar)
- Pkzip (.zip)
- GNU zip (.gz)

Image Files

- Joint Photographic Experts Group (.jpg, .jpeg)
- Windows® Bitmap (.bmp)
- Tagged Image Format (.tif, .tiff)
- Windows® Metafile (.wmf)
- Windows® Enhanced Metafile (.emf)
- Graphics Interchange Format (.gif)
- Portable Network Graphics (.png).

About Tresys

Tresys innovates and applies advanced technologies to quickly solve the needs of customers requiring agile responsiveness to security requirements. By leveraging secure open source software, our products and services support the most sensitive security missions around the world. As a result Tresys enjoys a distinct reputation for shifting the way governments and businesses approach security. For more information, visit: www.tresys.com.

