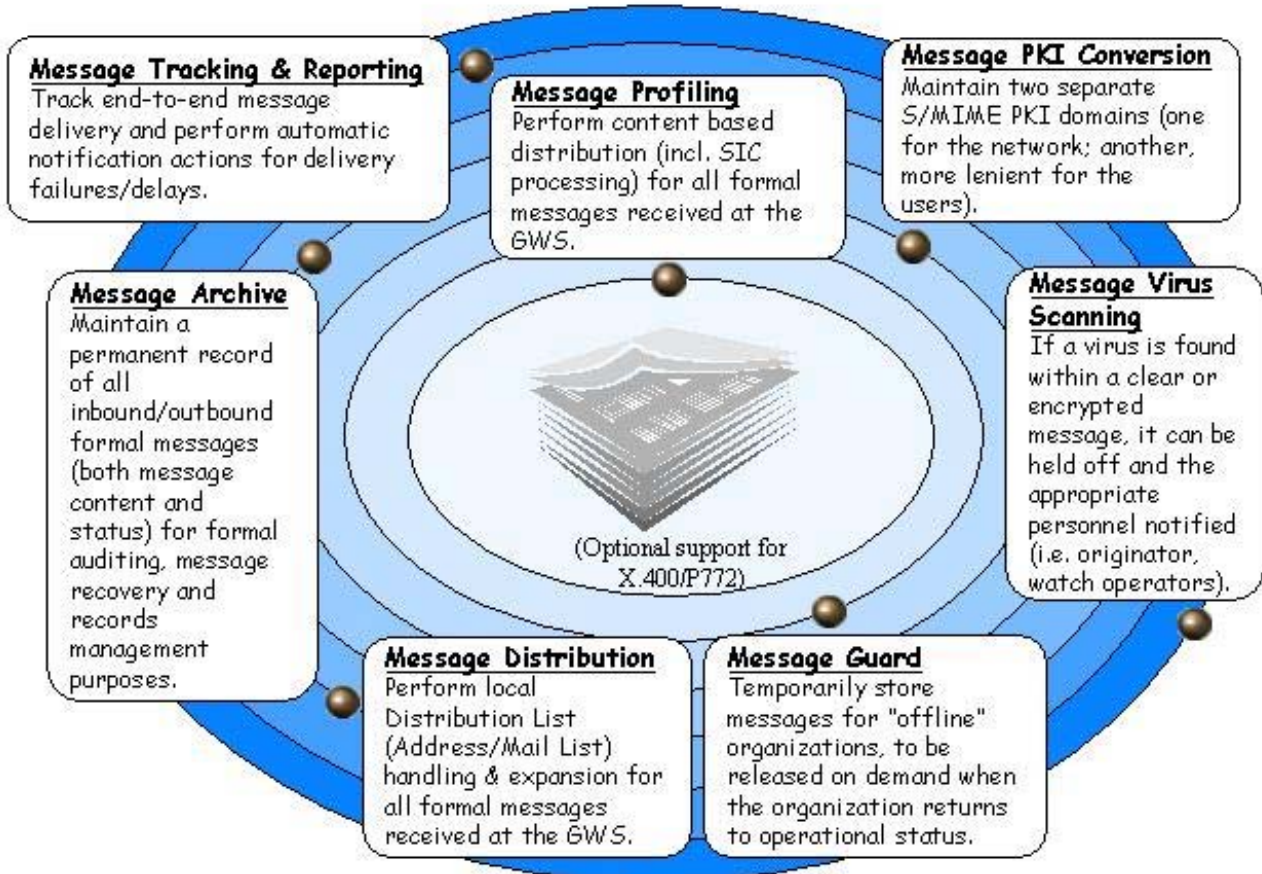




Within military as well as corporate environments, commercial e-mail and workflow systems have become the core components around which critical command & control and collaborative business models are built. Though these systems are comprehensive in their function, they lack many of the specialized formalities upon which military and business organizations rely such as automatic end-to-end message tracking & notification, encryption server functions, content based intelligent distribution, secure mass mailings, and encrypted content virus checking. As such, there is a need for a server supplemental component that can provide these customizable and specialized military/corporate formalities without interfering with the ease of use and diverse workflow capabilities offered by these commercial e-mail products.

In response to this need, CommPower proudly presents “Trusted Exchange 2003” (TREX-2003™), a revolutionary new “bolt-on” product to the standard Microsoft Exchange 2003™ Groupware Server that offers centralized functional, intelligence, and security capabilities. With more than 16 years of direct involvement in developing highly secure messaging software for the U.S. Department of Defense and NATO Allies, CommPower has launched this innovative product for broad use in military, federal, state, public, as well as the private sector.

TREX-2003™ is a layer that surrounds the commercial Microsoft Exchange 2003™ and performs active/passive intercepts of each message for tracking and/or additional processing. Value-added message processing capabilities provided by TREX-2003™ include the following:



The rules that govern which messages are to be subject to TREX-2003™ value-added processing and which are to flow through untouched are completely configurable on a per address or organization basis. Following TREX- 2003™ processing, the message is returned to Microsoft Exchange 2003™ for normal, onward processing and distribution.

- **PKI conversion:** For many installations, military and corporate alike, it is desirable to support a relaxed or even no PKI at the user level and utilize stronger encryption services only when the traffic leaves the local enclave. TREX-2003™ supports this configuration and performs PKI conversion processing for all messages passing from one PKI domain to another.
- **Mail/Address List Processing:** Messages addressed to Mail/Address Lists are distributed per the membership lists defined within the X.500 directory. In addition, authorized submitter checks, per recipient token generation, and removal of specified exempt addresses is also performed.
- **Profiling & SIC Distribution:** As a supplement to traditional address-based delivery services, TREX-2003™ also supports content based distribution based upon key-words and/or SIC codes found within the message header/body. For this capability, an extensive set of profile/SIC GUIs is provided for creation/maintenance of the key-word/SIC “rules” and associated distribution lists.
- **Virus Checking:** Message attachments within clear and/or encrypted messages are checked for viruses. Messages containing contaminated attachments are moved to a designated “infected” folder for manual handling.
- **Fire and Forget message tracking** TREX-2003™ supports guaranteed end-to-end message tracking and notification. As TREX “sniffs” all messages/reports passing through or originated from Exchange 2003™, an internal audit is created for each message noting key items about the message such as expiry time and the intended recipients. From this point forward, it will continually track the progress of the message, coordinating with other TREX-2003™ servers, until the message is delivered, a delivery error is encountered, or the message expires. For delivery failures of any kind, TREX-2003™ will perform automatic user and/or administrator notification actions.
- **Message Archive:** Messages passing through TREX-2003™ can be archived to a designated public folder. Standard Exchange/Outlook capabilities are used to manage this folder and its contents with regard to folder permissions and message operations such as print/view/sort/resent/etc.
- **Message Guard:** For organizations and/or individuals who are temporarily “offline” and thus unable to receive mail, TREX-2003™ provides temporary mail storage. These guarded messages are held internally within TREX until they are released, deleted, archived, or expire. In addition, TREX-2003™ notifies message originators of delayed delivery for all guarded messages.
- **Other Miscellaneous Capabilities:** (1) TREX supports SNMP for remote product monitoring. Statistics and “traps” are supported; (2) TREX verifies the SMIME signature of all received messages prior to any distribution processing. Invalid signature actions (accept/reject) are configurable.

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