

Trusted Exchange 2000:

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 2000” (TREX-2000™), a revolutionary new “bolt-on” product to the standard Microsoft Exchange 2000™ Groupware Server that offers centralized functional, intelligence, and security capabilities. With more than 15 years of direct involvement in developing highly secure messaging software for the U.S. Department of Defense and NATO Allies, CommPower breaks out of the box with this innovative product for broad use in military, federal, state, public, as well as the private sector.

TREX-2000™ is a layer that surrounds the commercial Microsoft Exchange 2000™ and performs active/passive intercepts of each message for tracking and/or additional processing. Capabilities provided by TREX-2000™ include the following:

- 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-2000™ supports this configuration and performs PKI conversion processing for all messages passing from one PKI domain to another.
- Mail List Processing: Secure mass mailings of individual e-mails (including per recipient token generation and exempt address handling).
- Profiling: Automatic content based key-word distribution, known as profiling. For this capability, an extensive profile generation GUI is provided for creation/maintenance of the key-word “rules” and associated distribution list.
- Virus Checking: For encrypted as well as clear (unencrypted) message contents.
- Fire and Forget message tracking: Guaranteed end-to-end message tracking and notification. As TREX-2000™ “sniffs” all messages/reports passing through or originated from Exchange 2000™, 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-2000™ servers, until the message is delivered, a delivery error is encountered, or the message expires. For delivery failures of any kind, TREX-2000™ will perform automatic user notification actions that can include sending a page, local alarms/alerts, e-mail notifications, and more.
- Open API: Proprietary modules can be created and bolted onto TREX-2000™ for custom capabilities.

The rules that govern which messages are to be subject to TREX-2000™ value-added processing and which are to flow through untouched are completely configurable. Rule types supported include interception of all messages, messages for particular users, and/or messages containing certain key words. Following TREX-2000™ processing, the message is returned to Microsoft Exchange 2000™ for normal, onward processing and distribution.