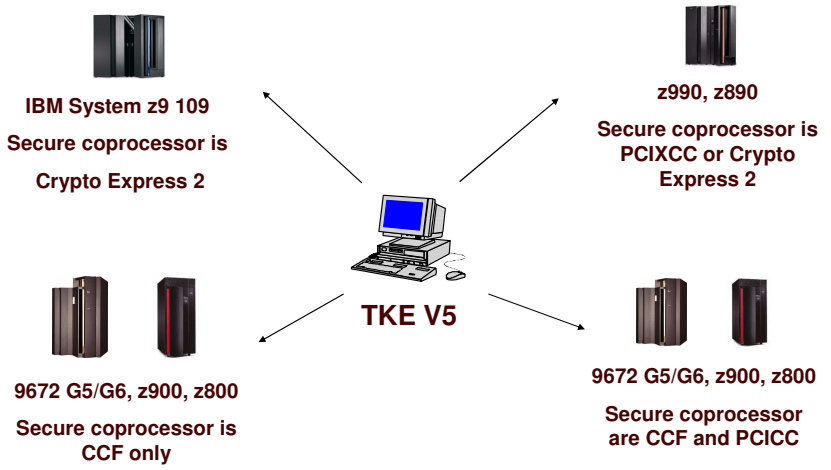
TKE (Trusted Key Entry) Workstation Overview

- **Priced feature, designed for highly secure management of secure coprocessors Master Keys and operational keys**
  - Optional Smart Card reader
  - Embedded closed OS
- **Encrypted and signed communications over TCP/IP**
  - Listener is ICSF
  - End point is the coprocessor
  - Every command is signed and encrypted
  - Ethernet access only (V5)
- **Operational Key Entry**
  - Key parts are loaded into crypto coprocessor card from TKE workstation
  - Any key type
  - User defined control vectors
  - Single, double and triple key lengths

TKE (Trusted Key Entry) Access Control

- **Access to secure cryptographic coprocessors is done through**
  - Authorities (security officers) identified by their password and digital signature
  - Option to require multiple signatures before performing a crypto function
  - smart card support at TKE V4.2 and above
- **The TKE implements an access control mechanism that uses the *roles* and *profiles* concept**
  - When necessary, these roles and profiles are defined by the TKE administrator using the Crypto Node Management (CNM) software facility and according to customer security policy

TKE Support



TKE (Trusted Key Entry) Version 5

- **No desktop**
  - Now there is a framework with two main branches for TKE (includes Applications and Utilities related toTKE) and System Management (includes Service Applications, Configuration, and Maintenance for configuring and maintaining the TKE workstation)
- **No command prompt**
  - Any command line task has now been replaced by a GUI interface.
- **No access to directory paths**
  - Now provide TKE related data directories for accessing files (via a File Chooser) and access to floppy and CD/DVD-RAM.
  - To edit a file in these data directories or on media you'll use the new Edit TKE Files task.
  - To manipulate these files (copy, rename, or delete) you'll use the new TKE File Management Utility task.

TKE - Trusted Key Entry Workstation

TKE (Trusted Key Entry) Version 5…

- **No TKE.INI file**
  - Now there is a Preferences Menu on the TKE Task bar (Functions, Utilities, Help still exist).
  - The Preferences menu allows you to enable/disable Blind Key Entry, Floppy Drive Only, Enable Tracing, Enable Smart Card Readers, and Show ECM bits as appropriate
- **TKE Media Manager**
  - For TKE related tasks to be able to use media (diskette, CD, DVD-RAM) the drive must be activated. Activation is thru the new TKE Media Manager task. If the media is not activated first, it will be automatically done for the user.
  - When the user is done, the drive MUST be deactivated BEFORE the media is removed or any data saved to the media could be lost. Deactivation is NOT automatically done.
  - If changing from one diskette to another, the floppy drive must be deactivated, media removed, new media inserted, and the drive activated again. If this is not performed data on the new diskette will not be recognized.

TKE (Trusted Key Entry) Version 5…

- **Migrate TKE data from previous TKE versions**
  - New task to be used to migrate TKE related data (Host.Dat, Group.Dat, 4758 roles and profiles, TCP/IP info, and emulator session information) from an existing TKE workstation to TKE 5.0.
  - Authority Signature Keys, master key parts, and operational key parts are not directly migrated but can manually be copied to diskette and then restored to the appropriate data directories using the TKE File Management Utility.