



# Security Software

## E-PAL Version 1, Release 1, Modification 1

### General Availability

August 15, 2008

E-PAL allows fast and easy assignment of dataset or resource access without impacting current user access, security implementation, or established security policy. E-PAL is designed to control additional access for special projects, or temporary access for consultants, without any modifications to either CA-ACF2 rules, or IBM RACF profiles. All access granted under E-PAL may be broader, or more restrictive, than what is otherwise permitted. SMF records are produced, and a program to report successful access, as well as access denied, is provided.

- ◆ Reduces potential exposures and outages
- ◆ Requires no changes to IBM RACF or CA-ACF2
- ◆ Access changes automatically take effect immediately. No signon or address space refresh is required.
- ◆ RESUME/SUSPEND for each user access list entry
- ◆ E-PAL access changes are automatically retained
- ◆ Instant online recovery to a previous access level
- ◆ SMF and system log journaling
- ◆ Provides programs to report on E-PAL accesses, and access lists and security administration.
- ◆ Uses a set of VSAM Databases compatible across systems--updates are automatically backed-up
- ◆ Online recovery using TSO/ISPF screens is standard
- ◆ Use the E-PAL VSAM database to house special access permissions for disaster recovery
- ◆ Requires a valid IBM RACF or CA-ACF2 Userid before special access is allowed

## Features

- ◆ Avoid potential outages caused by improper access privilege modifications to RACF or CA-ACF2 Resident Security Systems ("RSS") for special or temporary access. The RSS Security Policy Implementation need not be changed and therefore is not affected by temporary permissions.
- ◆ No changes to RACF or CA-ACF2 are required. E-PAL does not require RSS database or exit modifications, and it installs dynamically. No IPL is required.
- ◆ Administration is via TSO ISPF screens, and access changes automatically take effect *immediately*. No user signoff/signon or address space refresh is required.
- ◆ RESUME/SUSPEND dates for each access list entry allow accesses to start and stop automatically.
- ◆ E-PAL access list changes are automatically retained for an installation-specified period of time before being deleted. The database "cleans-up" after itself.
- ◆ Journals to SMF, and writes to the system log all access denials, and accesses requested to be journaled. All attempted accesses (violations) are immediately journaled, as well as those with "LOG" specified. Additionally, all administrative changes to the E-PAL database are written to SMF.
- ◆ Programs to report on E-PAL accesses, and access lists, and administrative alterations are provided with the product. ISPF panels and a set of batch programs are included to report on both the E-PAL database contents, and E-PAL generated SMF.
- ◆ Online recovery of E-PAL access modifications using E-PAL ISPF screens is standard via a real-time Recovery Database. This permits instant online recovery to a previous access level if necessary.
- ◆ E-PAL utilizes a set of VSAM Databases compatible across systems. Updates are automatically backed-up into an additional sequential backup file at installation specifiable intervals.
- ◆ The E-PAL VSAM database may be used to house special access permissions for disaster recovery purposes.

- ◆ Only exceptional access is controlled by E-PAL. *All users are still required to have a valid and active RACF or CA-ACF2 Userid to access systems. **Non-E-PAL users are not affected in any way.***
- ◆ An E-SRF report program interface — E-SRF, the EKC Security Reporting Facility, an optional EKC software program product, provides additional and extended E-PAL reporting capabilities.
- ◆ E-PAL, ETF/A, ETF/R, and E-SRF automatically interface with the EKC Security Heartbeat Facility — included with our security products — to provide an extra level of assurance that the installation's SMF security records have not been tampered with.

## Environment

- IBM RACF, or CA-ACF2 (Any Release of Either)
- IBM z/OS 1.6 and above
- ETF/R or ETF/A are Prerequisite EKC Software

## Perpetual Software License

- Site, Domestic, and Global Enterprise License options are available.

## Software Maintenance

- The annual maintenance fee is 20% of the then current Software License price.

## Education

- Training is available for all EKC products. On-site classes and hands-on training may be scheduled.

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