



Security Software

ESSF - The EKC Security Services Facility

Version 1, Release 1, Modification 0

General Availability – July 2011

ESSF, the EKC Security Services Facility, is a new program product to provide enhanced functions for IBM z/OS Resident Security Systems ("RSS").

ESSR --EKC Security Services for RACF-- is the first ESSF subcomponent and functions with IBM RACF.

Highlights

- ◆ Automatically archives profiles as changes are made to the RACF Database(s) through every-day security system interactions - whether TSO command, ISPF panel, vendor administration product, automated account management, etc.
- ◆ Profiles are retained in a VSAM database. Retention parameters set by the installation determine how long and how many profiles are archived.
- ◆ Display, Restore, or Insert Profiles from other RACF databases into the currently active RACF environment.
- ◆ Easy ESSF Administration and reporting displays via TSO ISPF panels.
- ◆ Passwords are automatically synchronized. Password changes by a user may be automatically propagated, even when actual userids are different.
- ◆ Passwords may be reset to the prior one, or password history may be removed entirely.
- ◆ Instantaneous profile recovery into the active RACF system environment from the ESSF archives at any time.
- ◆ ESSF Displays profiles with privileged attributes, IDs that have expired, and/or multiple other criteria.
- ◆ Clones Users along with all corresponding accesses, connections, and user dataset profiles.

- ◆ Displays, copies Group or User access, connections, and/or profiles.
- ◆ Repairs damaged RACF databases. Powerful ISPF panels allow immediate and extensive RACF database repairs and modifications.
- ◆ Locates, displays, and removes invalid ("dormant") profile names from the RACF Database(s) in real-time.
- ◆ Journals all RACF changes made by ESSF to SMF.
- ◆ No IPL is required for installation or operation.

Environment

- ◆ IBM RACF
- ◆ IBM z/OS 1.10 or above

Product Features

- ◆ **Archival & Restore** - RACF profiles are archived in a VSAM database which is also automatically backed-up. This backup file may then retain these profiles for an additional period of time beyond the initial archival period in the primary VSAM archives. Profiles may be immediately restored into RACF from either the ESSF VSAM database or its backup file. All user & group connections are also verified and/or reconnected as appropriate when restoring into the running RACF environment.
- ◆ **Alternate RACF Database List & Restore** - Profiles may also be displayed and immediately recovered from other or alternate RACF datasets into the active RACF environment.
- ◆ **Automatic Periodic RACF File Backup** – ESSF optionally and automatically backs up the active RACF database into its own ESSF backup file on a periodic basis.
- ◆ **Cloning** - Profile attributes may be copied, entire new users can be cloned, or Groups copied, with a single ISPF panel. The process verifies and copies all valid Group connections.

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Additionally, the process can create the corresponding ACL entries in all Dataset and General profiles present in the running RACF environment. All existing RACF profiles may optionally be archived automatically during this process before the changes are applied.

immediately, in real-time, and no RACF database switch, IPL, or shutdown is required.

- ◆ **Synchronized Passwords** - Password changes may optionally be automatically propagated for a user who has multiple, but different, userids on a RACF system(s). With a single password change initiated by either the user, the security administrator, or at user signon time, when a new password is entered the new password is applied to all "linked" userids.
- ◆ **Password Reset** -The administrator may reset a user's password to the previous active password without knowledge of it, or the user's password history may be entirely removed via an easy to use ISPF display. Passwords may also be immediately expired, or set to a new or non-expiring interval via these panels.
- ◆ **Repairs** - RACF database repairs may be dynamically made with powerful ESSF ISPF panels. Damaged RACF profiles may now easily be verified, repaired, replaced, or removed. Partial removal of profiles or profile segments, if so desired, may be accomplished without disturbing any existing connections or ACLs for them.
- ◆ **Information Search** – ISPF based RACF and ESSF database search facilities allow for an instant display of important profile information, either from the ESSF archives, the running RACF system, or alternate RACF created files. Privileged profiles, unused userids, and other profile information are now readily and quickly displayed via ISPF panels. Profiles may also be located, displayed, and/or deleted by ownership IDs; ownership of profiles may also readily be transferred.
- ◆ **Dormant Profile Cleanup** – Easy to use ISPF and/or batch program facilities to display and remove invalid (dormant) profile names from the RACF Database(s). ISPF facilities display dormant profile information and can perform instantaneous updates, while batch facilities generate TSO CLISTs with RACF commands that may be edited first. All changes may be applied

Software Licensing

Perpetual site based software license. Domestic and Global Enterprise License options are available.

Software Maintenance

The annual maintenance fee is 20% of the current Software License price. Extended maintenance term pricing option is available.

Education

On-site SE support and product training may be scheduled for all EKC products.

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