



New Product Announcement

E-SCC Version 1, Release 1, Modification 0
General Availability

Security Software

E-SCC - EKC Security Classification and Categorization

Version 1, Release 1, Modification 0

May 20, 2011

E-SCC, The EKC Security Classification and Categorization Facility, provides enhanced data analysis and reporting for the EKC Security Reporting Facility (E-SRF) for IBM RACF and CA-ACF2. E-SCC takes as input an export file produced by E-SRF security access analysis and provides a graphical (GUI) method to view and manipulate the data. Security analysts can drill down to specific resources or users to view access information and produce selective reports or security data. E-SCC identifies all unique roles within the security structure and lets the security analyst build a role structure representing security policy. E-SCC can then generate the security groups/permits or role rule sets to implement that policy.

Highlights

- Displays RACF or ACF2 security data, providing multiple views of the data from the resource and user perspective.
- Displays RACF or ACF2 data with the same views reducing the complexity of viewing and understanding the security environment.
- Analyzes the E-SRF security data to determine unique groups of users (roles) having the same access permissions to resources.
- Displays resources in the security environment and allows the selection of individual resources. Shows related resources with the same access.
- Displays users defined to the security system and the user groups (roles) they belong to.

- Displays roles determined from the security data. Shows the users in each role and the relationship of roles to superior and subordinate roles.
- Provides meaningful names for the natural roles identified within the security data.
- Lets the security analyst define new roles to meet security policy needs. Identifies roles that fit specific access environments for selection over the natural roles.
- Identifies users not accounted for by policy with access to resources. Lets the analyst adjust the policy to meet specific access environment requirements.
- The security matrix graphically displays the overall security environment - all of the users and all of the resources - so clusters of access can be easily identified.
- Exports role based security data back to the mainframe for implementation in RACF or ACF2 to improve security system structure and maintainability.

Environment

- Windows XP, Vista, 7
- IBM RACF and / or CA-ACF2 resident security system.
- E-SRF V2.3.0 required to produce the environment export used as input to E-SCC.
- ETF/A V1.7.1 required to utilize the ETF/A rule test facility for ROLESET migration or for the new ETF/A RBAC facility

Product Features

- **Process E-SRF access analysis data** - E-SCC reads the EKC Security Reporting Facility (E-SRF) environment export file. The file mirrors and expands the information shown on the E-SRF data owner reports for RACF and ACF2. E-SRF data owner analysis takes resources in the environment and determines the users that have access and their level of access. Groups of resources with the same access are identified by E-SRF. For each group of resources the different levels of access are defined and the users with each level are listed. E-SRF data owner analysis is holistic rather than profile or rule based. That

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is, E-SRF analysis shows the impact of individual and grouping profiles and the merging of multiple groups in a profile. E-SRF shows the impact of multiple rules with different UID strings and access specifications and the impact of NEXTKEY rules. All of the conditions for access from the RACF profile or ACF2 rule are included so this is a complete view of the security structure.

- **Graphical view of security data** - E-SCC is a Windows GUI application providing a unique way to view security data. E-SCC panels allow you to select the information you want to see without scrolling or searching through voluminous reports. No SQL query or report development is required to view security data. E-SCC views are common between RACF and ACF2 minimizing the security system expertise required to understand the security environment.
- **Identify Roles** - Roles are groups of users that have common access to resources. E-SCC examines the security data to identify all of the natural roles within the security data. E-SCC can then be used to give meaningful names to those roles for use with the export functions.
- **Display relationships among roles** - E-SCC displays show the superior (contained all of the users in a role and more) and subordinate (contained fewer but no different users) relationship of roles defined in the system so you can determine the various groupings of users in the system. Superior and subordinate roles are compared side-by-side to see and understand the relationships among roles in the security data.
- **View data by Resource, User or Role** - Through its GUI interface E-SCC allows you to view security data from the user, resource or role perspective. Individual users or resources may be selected in E-SCC panels and related users and resources are immediately displayed.
- **Define new roles based on security policy** – E-SCC lets you view resources and the users with access. The natural role is automatically shown along with any subordinate roles. The security analyst can choose naturally found subordinate roles or create new roles from them to define security policy.
- **Print simplified reports** – Selected data on the E-SCC panels can be printed so there is no need to rerun the E-SRF analysis with different parameters.

- **Export RACF data as Groups / Connects / Permits** – Security data from the analysis of a RACF security system may be exported as RACF TSO commands ADDGROUP / CONNECT / PERMIT.
- **Export ACF2 data as \$ROLESETS** – Security data from the analysis of an ACF2 security system may be exported as ACF2 r14 role sets. E-SCC generates the ACF2 commands to define the roles and add all of the users to the roles. Commands may be generated to compile / store the rule sets or to load the rule sets into the ETF/A Rule Test Facility.
- **Export ACF2 data as ETF/A RBAC rule sets** – Security data may be exported using the new ETF/A RBAC facility. E-SCC generates ETF/A RBAC rule sets and role UID definitions. RBAC linking rules are automatically added to the base ACF2 rule sets. ETF/A RBAC rules may be loaded into the ETF/A Rule Test Facility to support migration to RBAC.

Licensing

E-SCC is provided as a no cost extra feature for E-SRF Domestic and Global Enterprise licensees. E-SCC licenses are available as an optional component for E-SRF site licensees.

Software Maintenance

E-SCC annual maintenance 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.

- * SE support can explain the use of the E-SCC export capability but is not a consulting service for migration to ACF2 ROLESETs or restructuring of RACF permissions.