



Security Software

ETF/R - The EKC Firecall Tool for RACF*

Version 1, Release 2, Modification 2

July 15, 2008

ETF/R Firecall allows controlled usage of special "high access" capabilities during an emergency situation. It provides "on demand" access capability when needed. Through full-screen ISPF panels, security administrators define access rights and obtain information on Firecall activity. ISPF Panels, or the TSO F\$recall command, are used by individuals when requesting use of the special access definitions. All requests to use Firecall and any access granted because of this facility are journaled to SMF. They are then reported using ETF/R report programs.

Highlights

- ◆ Controls access to special "high access" capabilities
- ◆ Eliminates use of "secret envelope" tactics
- ◆ Invoked by the user
- ◆ Accountability remains with the user
- ◆ All invocation and usage journaled to SMF
- ◆ Automatic 24 Hour Timeout
- ◆ SYSPLEX-wide scope
- ◆ TSO/ISPF display of current Firecall activity
- ◆ Report programs provided
- ◆ Security database analysis tools provided

Environment

- ◆ IBM z/OS 1.6 and above

Features

◆ Controls access in emergency situations

The ETF/R Firecall Facility controls access to sensitive data in emergency situations. Special privileges and resource access using special Firecall Groups can be pre-approved for certain user ID's.

◆ Pre-defined access privileges

Security administrators set up pre-defined access rights for specific users. This access is based on one or more special privileges, such as "Universal ALL Access", "Universal Read Access" and "Emergency Password Reset". Additional privileges are available in the DB2* and z/OS* Unix System Services environments.

◆ Pre-defined access groups

Security administrators can also set up pre-defined Firecall groups. These alternate Group profiles contain entitlements for the special access needed and are assigned but not connected to users. A firecall user assigned to a group is connected when firecall group access is activated. The group special, group operator, and group audit attributes may be assigned to firecall groups. These can include groups the user is already connected to without these privileges. The RACF LISTUSER command displays all Firecall groups associated with a user.

◆ Permits selective definition of Firecall capabilities

The security administrator determines specifically what capabilities a user may select. Special resource profiles define which users may access the Firecall Facility and additional resource profiles provide more granular security as needed, enabling the administrator to carefully control use of this special "high access" facility.

* RACF, DB2 and z/OS are registered trademarks of IBM Corp.

◆ User invokes privileges when necessary

Whenever users need special access, they simply turn on the privilege which connects them to the appropriate access levels or additional groups. Full-screen ISPF panels are available for their use. When requesting this access, a justification must first be entered, as well as a reverification of the user's password. A problem ticket field and verification routine are available for installation use.

◆ Firecall Available Across Sysplex

Firecall privileges activated on one system are available on any systems that share the RACF database or are linked using the RRSF facility of RACF.

◆ Displays Firecall information and activity

ETF/R provides full-screen displays of all Firecall information showing what has been created and selected for individual users. In addition, activity on the system, such as who has activated Firecall and why, is available from the Firecall Facility Main Menu.

◆ Journals all access to SMF

All activity to invoke the Firecall Facility and any special access gained as a result of the Facility is journalled to SMF, including ETF/R system updates and changes. This information is reported using the ETF/R report programs. Additionally, a notification email can be sent whenever a user activates Firecall.

◆ Reporting

Two reports are provided with ETF/R. The first documents when special privileges are invoked by the user, and which type of access was requested. The second reports all access granted as a result of special firecall privileges, and also reports programs that bypass security protection without using a proper Program Properties Table (PPT) entry.

◆ Security Database Analysis

The ETF/R Security Database Analysis Facility provides the ability to analyze ownership and entitlements of RACF user, group, dataset and resource profiles, including detection of profile errors. Using any part of the RACF database as a starting point, the user may examine the associations to other profiles. The user may follow the trail of who has access to what, or who has ownership of what, or any combination.

◆ E-SRF report program interface

Software program product E-SRF, the EKC Security Reporting Facility, provides extended Firecall reporting capabilities.

Licensing**◆ Perpetual Software License**

In addition to a Site License, Domestic and Global Enterprise License options are available.

◆ Software Maintenance

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

Education

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