COURSE DESCRIPTION

This course is intended for individuals who have mastered basic RACF administration and are ready to advance their RACF technical skills and knowledge to the next level. Attendees will learn methods, tips, and "best practices" for more technically advanced RACF administration and support tasks such as setting up Started Task IDs, defining new general resource classes, controlling tape Bypass Label Processing (BLP), creating custom fields, and using RACFVARS variables. Attendees will learn the process RACF uses to merge member and grouping class profiles during RACLIST and see how this applies to CICS transactions. They will gain a broader and deeper understanding of RACF monitoring and logging options and RACF administrative authorities. Attendees will also be introduced to RACF Health Checks and learn how to properly maintain RACF databases. As in all RSH training, attendees will examine reports from their own system to understand how their RACF is uniquely configured and identify opportunities for improvement.

DURATION

5 Half-Day Online Sessions (20 hours)

WHO SHOULD ATTEND

RACF administrators and technicians who want to assume more technical responsibilities in RACF administration, implementation, remediation, and support.

WHAT YOU WILL LEARN

- Safely converting IDs to PROTECTED
- Identifying and fixing broken group connections
- Standards for protecting system datasets
- Best Practices for Started Task IDs and privileges
- Role-Based Access Control (RBAC) group design
- Tips and pitfalls in designing RACFVARS
- Creative uses of Custom Fields
- Essential settings for SETROPTS logging options
- Delegating RACF administrative authorities
- Group-level authorities and Scope-of-Groups
- Generating and interpreting RACF Health Checks
- Proper tools and methods for RACF database backup

PREREQUISITES

Completion of RSH's RACF Level I Administration plus six months of RACF work experience.

INSTRUCTOR - ROBERT S. HANSEL

Mr. Hansel has worked with RACF since 1986 as an administrator, auditor, consultant, and trainer. He is a prominent speaker on RACF audit and technical topics at conferences and user groups throughout the U.S.

COURSE OUTLINE

1. RACF Overview and Refresher
   a. RACF components, configuration, and commands
   b. RACF database contents, structure, and allocation
   c. Access authorization process and logic

2. Users and Groups
   a. Passwords, phrases, and composition rules
   b. Implementing KDFAES encryption
   c. Inactive user and IBMUSER control
   d. Batch job user assignment
   e. Group roles and architecture design

3. Started Tasks
   a. Started Task initiation and PROCLIBs
   b. STARTED profile and STDATA segment
   c. ICHRIN03 table
   d. ID assignment options and strategies

4. Dataset Protection
   a. Tape dataset protection
   b. Catalog and system dataset protection
   c. TEMPDSN temporary dataset protection
   d. PROTECTALL implementation
   e. z/OS Program Properties Table (PPT)

5. General Resource Grouping Profiles
   a. Grouping profile use and content
   b. Grouping profile design strategies
   c. RACLIST profile merge process

6. RACF Variables - RACFVARS
   a. RACFVARS profile function and design
   b. Using RACFVARS in other profiles

7. Class Descriptor Table (CDT)
   a. ICHRRCDE macro
   b. CDT profile and CDTINFO segment
   c. Class configuration options and defaults
   d. Guidelines for CDT management

8. Custom Fields - CFIELD
   a. Custom field use and design
   b. CFIELD profile and CFDEF segment
   c. Profile CSDATA segments
   d. IRRDPI00 RACF Dynamic Parse Initialization

9. Logging and Reporting
   a. System Management Facilities (SMF)
   b. SETROPTS and profile monitoring options
   c. Reporting tools
   d. RACF Health Checks

10. Administrative Authorities
    a. System and Group level SPECIAL and AUDITOR
    b. Group connect authorities
    c. FIELD class profiles for segment administration
    d. Password reset authority
    e. Class authorization - CLAUTH

11. RACF Maintenance and Configuration
    a. Global Access Table function and design
    b. RACF database backup and reorganization
    c. IRRDBU00 and IRRRID00 utilities

To register for a class, schedule a private class, or find out more about how RSH Consulting can help you better secure your system, call us at 617-969-9050, email us at training@rshconsulting.com, or visit our web site at www.rshconsulting.com.

RSH Consulting, Inc. • 617-969-9050 • www.rshconsulting.com