

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

3 Days -or- 5 Half-Day WebEx Sessions

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
- Grouping profile design considerations
- 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, rules, and algorithms
 - b. IBMUSER control
 - c. Batch job user assignment
 - d. Group structure 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. Erasing deleted data
 - 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. RACFVARS
 - a. RACFVARS profile
 - b. Use of RACFVARS in other profiles
 - c. &RACLNDE
7. Class Descriptor Table (CDT)
 - a. ICHRRCDE macro
 - b. CDT profile and CDTINFO segment
 - c. CDT class configuration options and defaults
 - d. Guidelines for creating and change CDT profiles
8. Custom Fields
 - a. Custom field use and design
 - b. CFIELD profile and CFDEF segment
 - c. Profile CSDATA segments
 - d. IRRDPIO0 RACF Dynamic Parse Initialization
9. Logging and Reporting
 - a. System Management Facilities (SMF)
 - b. SETROPTS and profile monitoring options
 - c. Reporting tools
 - d. IRRADU00 SMF data unload utility
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
11. RACF Maintenance and Configuration
 - a. RACF database backup and reorganization
 - b. IRRDBU00 and IRRRID00 utilities
 - c. SysPlex Communication and Data Sharing
 - d. RACF Address Space

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