

## 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 learn how to maximize RACF performance and 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
- Standards for protecting system datasets
- Best Practices for Started Task IDs and privileges
- Converting ICHRRCDE classes to CDT profiles
- 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
- Effective use of RACF performance options
- 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 and configuration
  - b. Access authorization process and logic
2. Users and Groups
  - a. IBMUSER control
  - b. PWDCOPY utility
  - c. Group structure design
3. Dataset Protection
  - a. Tape dataset protection
  - b. Catalog and system dataset protection
  - c. TEMPDSN temporary dataset protection
  - d. z/OS Program Properties Table (PPT)
4. Started Tasks
  - a. Started Task initiation and PROCLIBS
  - b. STARTED profile and STDATA segment
  - c. ICHRIN03 table
  - d. ID assignment options and strategies
5. Class Descriptor Table (CDT)
  - a. ICHRRCDE macro
  - b. CDT profile and CDTINFO segment
  - c. CDT class configuration options and defaults
6. General Resource Grouping Profiles
  - a. Grouping profile use and content
  - b. Grouping profile design strategies
  - c. RACLIST profile merge process
7. RACFVARS
  - a. RACFVARS profile
  - b. Use of RACFVARS in other profiles
  - c. &RACLNDE
8. Custom Fields
  - a. Custom field use and design
  - b. CFIELD profile and CFDEF segment
  - c. User and group 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. IRRADU00 SMF data unload utility
10. Administrative Authorities
  - a. System and Group level SPECIAL and AUDITOR
  - b. Group connect authorities
  - c. Password reset and segment change authority
11. RACF Performance Tuning
  - a. Global Access Table
  - b. GENLIST, RACLIST, and RACGLIST
  - c. Virtual Lookaside Facility (VLF)
12. 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](mailto:info@rshconsulting.com), or visit our web site at [www.rshconsulting.com](http://www.rshconsulting.com).