

COURSE DESCRIPTION

This course is designed specifically for individuals who need to become proficient in basic, ordinary, everyday RACF administration but are not expected to become experts. Attendees will gain a fundamental understanding of how RACF works along with training in administering RACF profiles for typical end-users, groups, datasets, TSO resources, and CICS transactions. They will be given instructions, examples, and practical exercises for coding the common RACF administration commands they are most likely to use. Attendees will also be shown how to troubleshoot typical RACF access problems.

DURATION

2.5 Days

WHO SHOULD ATTEND

Anyone who requires general RACF knowledge and skills in order to perform basic administration, audit, or support.

- Entry and mid-level security administrators
- User provisioning personnel
- Help Desk staff
- Group security administrators
- IT auditors
- Technical support staff
- Application developers

WHAT YOU WILL LEARN

- What RACF is and what functions it performs
- The contents of each type of RACF profile
- Typical, everyday RACF commands
- How to add, change, list, and delete profiles
- Resuming IDs and resetting passwords
- How to add, update, and remove profile segments
- What groups are and how they are used
- Protecting datasets and general resources
- How RACF decides whether to grant access
- Interpreting and acting on RACF messages

PREREQUISITES

Familiarity with the mainframe and using TSO and JCL

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 Concepts
 - a. Introduction to RACF
 - b. RACF Functions
 - c. Profiles & relationships
 - d. Initial terminology
2. Users
 - a. Identification & authentication
 - b. USERID format & options
 - c. Password composition & options
 - d. User profile, contents, & segments
 - e. Administrative authorities
 - f. RACF commands for user profiles
3. Groups
 - a. Concepts, hierarchy & functions
 - b. Group profile, contents, & segments
 - c. RACF commands for group profiles
4. Resource Protection
 - a. Concepts
 - b. Resource profiles
 - c. Access permissions
 - d. Privileged access authorities
 - e. Access authorization process
5. Datasets
 - a. Dataset basics & protection
 - b. Dataset profile & contents
 - c. Discrete & generic profiles
 - d. Enhanced Generic Naming (EGN)
 - e. Undercutting authority
 - f. Special considerations
 - g. RACF commands for dataset profiles
6. General Resources
 - a. Resource types, names & protection
 - b. General Resource profiles & contents
 - c. Discrete, generic, & grouping profiles
 - d. Undercutting authority
 - e. RACLIST & other considerations
 - f. RACF commands for general resource profiles
7. General Resources - Logon Controls
 - a. APPL class profiles & permissions
 - b. TSO-related class profiles & permissions
8. General Resources - CICS Transactions
 - a. Introduction to CICS
 - b. CICS & RACF interface
 - c. Transaction class profiles & permissions
 - d. CICS user segment
9. Troubleshooting Access Problems
 - a. Understanding RACF violation messages
 - b. Analyzing access requests
 - c. Reporting tools

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