BMC Mainframe: Understanding RACF

COURSE ABSTRACT

COURSE CODE
» MGRS-URAC-2021

APPLICABLE VERSIONS
» Not Applicable

DELIVERY METHOD 🌐
» Instructor-led Training (ILT)

COURSE DURATION 🌐
» 1 Day

PREREQUISITES
» Attendees should have a clear understanding of z/OS at a conceptual level.

RECOMMENDED TRAININGS
» NA

Course Overview

The course is developed and delivered by © RSM Technology.

Today a sound understanding of security is essential for all of us working in IT. This one-day course is the ideal introduction to IBM's RACF, and is suitable for all technicians, administrators, support personnel and managers who will come across RACF in their daily work.

It is also an ideal introduction to RACF for Systems Programmers and those training to be RACF Administrators. The course clearly explains the concepts and terminology of RACF and introduces all the major RACF commands.

Target Audience

The course is suitable for anyone who wishes to gain an understanding of RACF concepts and terminology.

Learner Objectives

» Identify the need for security in business information systems
» Explain all major RACF commands
» Explain dataset and general resources
» Connect users to groups
» List the dataset related commands to manage both discrete and generic profiles
» List the commands to manage general resources
» Describe the audit facilities available in RACF
» Use and explain the operation of the setropts management commands

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COURSE ACTIVITIES
» Classroom Presentations
» Demonstration

BMC MAINFRAME INFRASTRUCTURE AND PLATFORMS LEARNING PATH
» https://www.bmc.com/education/courses/find-courses.html#filter/%7B%22type%22%3A%22edu-specific-types-159150236%22%7D

CERTIFICATION PATHS 🌐
» This course is not part of a BMC Certification Path.

DISCOUNT OPTIONS 🌐
» Have multiple students? Contact us to discuss hosting a private class for your organization
» **Contact us for additional information** 🌐

Course Modules

Introduction to RACF
» What is required of a security system?
» IBM's Resource Access Control Facility (RACF)
» Main RACF/MVS components
» How does RACF work?
» RACF Profiles
» RACF classes
» Controlling access
» RACF commands

Planning for RACF
» Management commitment
» Selecting a security planning and implementation team
» Responsibilities of the implementation team
» Deciding what to protect
» Deciding how to protect data
» Establishing ownership structures
» Establishing who needs access

RACF Group Structure
» RACF group structure
» Group types; Dataset owning groups

» Users owning groups
» General Resource groups
» Concept of group and profile ownership
» Administration delegation
» Benefits of RACF groups
» Defining RACF groups
» Group CONNECT authority
» Group profile contents
» Group related commands

Defining Users to RACF
» Information on users
» RACF user information
» DFP segment information
» TSO segment information
» OPERPARM segment information
» NETVIEW segment information
» CICS segment information
» OMVS segment information
» Defining a new User
» Prepare to create the user profile
» Create the User Profile
» Give user access to any RACF-protected areas

» User-related commands
» User attributes
» Classifying users and data
» Security categories and levels
» Security labels

Defining Datasets to RACF
» Dataset related commands
» Dataset protection
» Discrete profiles
» Generic profiles
» Rules for defining dataset profiles
» Naming Convention
» Dataset profile ownership
» Defining Generic Profiles
» Access authority for datasets
» Adding dataset profiles – ADDSD
» Permitting access (PERMIT command)

Defining General Resources
» General Resource related commands
» Class Descriptor Table (CDT)
» IBM-defined Resource Classes
» Steps for defining General Resource profiles

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» Granting access to a General Resource
» Global Access Table (GAT)

Maintenance & Housekeeping
» Maintenance and housekeeping activities

» SETROPTS command options
» Options for initial setup
» In-storage profiles
» SETROPTS REFRESH Option
» Maintaining the RACF database(s)

» Maintenance utilities
» Maintaining the Started Task Table
» Data Security Monitor (DSMON)

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