

## Basics of z/OS RACF Administration

### 1. Review of z/Architecture and z/OS

- Describe z/Architecture
- Provide an overview of z/OS and its components
- Explain the concept of virtual storage and its exploitation in z/OS
- List the different kinds of data sets and discuss their management in z/OS
- Name the main end-user interfaces of z/OS

### 2. An Introduction to ISPF and ISPF/PDF

- Name and describe the components of ISPF
- Log on to the lab system of this class
- Log off from the lab system of this class
- Start ISPF/PDF
- Provide an overview of the structure of ISPF/PDF panels
- Alter the ISPF/PDF settings
- Use ISPF/PDF to view a data set

### 3. An Introduction to Data Sets

- Describe data management concepts
- Explain the data set allocation process
- Describe the catalog structure
- Explain how data sets are defined and used
- Allocate a new data set
- Edit a data set using ISPF/PDF
- Delete a data set
- Use ISPF/PDF data set list

### 4. Batch Processing

- Name and explain the Job Entry Subsystem 2 (JES2) job processing phases
- Describe the general layout of a job
- List and describe the components of a Job Control Language (JCL) statement
- Submit a batch job to z/OS
- Use ISPF 3.8 and SDSF to handle the job output

## 5. Security and RACF Overview

- Explain the role RACF plays in data security
- List the four major functions of RACF
- Explain how RACF allows or denies a user access to a resource, given a diagram of RACF's resource authorization checking process
- Define the terms Universal Access Authority (UACC), access list, user profile, and resource profile
- Describe the role of the security administrator and the auditor
- Explain the features of RRSF

## 6. Administering Groups and Users

- Describe the group structure in RACF
- Create a group structure by defining appropriate RACF group profiles
- Define new users to RACF
- Implement a centralized or decentralized administrative structure

## 7. Protecting z/OS Data Sets

- State the differences between generic and discrete data set profiles
- Explain the process RACF uses to grant or deny user access to a data set
- Use the RACF commands or panels to define data set profiles

## 8. Introduction to General Resources

- Describe the concepts of general resources
- Add a Time Sharing Option (TSO) user to RACF
- Add a UNIX System Service user to RACF
- Set up a user help desk function

## 10. RACF Options

- Understand the impact that RACF options have on an installation
- Identify those options that require special planning before activation
- Identify a basic set of options appropriate for an installation

## 11. Other Administrative Facilities and Features

- Describe the use of the global access table
- Describe the purpose of the started procedure table
- Define a protected user
- Explain the use of the restricted user attribute

- Use the RACF database unload utility to document your RACF system
- Describe how to map a digital certificate to a RACF userid