



### Certificate Level II Details

This certificate validates that the learner has attained functional knowledge of several key systems and products running on the mainframe – z/OS UNIX, IBM MQ, CICS TS, Db2, and Networking. When providing security for a mainframe environment, it is important to look at the big picture of activity and core products that are running.

This person will also be able to describe how encryption works and how it is integrated into the z/OS environment and will have attained a high level of knowledge of RACF, enabling them to configure it to secure a wide range of mainframe resources.

### Prerequisites

Successful completion of the IBM Mainframe RACF Security Administrator Level I Certificate or equivalent knowledge.

### Job Role

A Mainframe RACF Security Administrator is critical in safeguarding organizational assets, protecting sensitive information, and maintaining the integrity, availability, and confidentiality of critical resources and data within a RACF-protected environment.

On completion of this study, the student should be able to:

- Explain the purpose of key systems and products running on the mainframe – z/OS UNIX, IBM MQ, CICS TS, Db2, and Networking
- Describe how IBM Z mainframe platforms and their components support encryption practices
- Create and maintain security for users, data sets, and general resources, using RACF
- Define and Maintain z/OS UNIX file permissions and Access Control Lists

### Value of Skills

The RACF Administrator needs to understand the functionality of products running in a mainframe environment so that all angles of security are considered. Knowledge of products such as Db2, CICS TS, IBM MQ, z/OS UNIX, and networking generally also allows this person to be able to communicate effectively with IT specialists in these areas.

The importance of having a comprehensive working knowledge of RACF goes without saying, and the courses in this certificate provide this content.

### IBM Skills Badges Attained

- Mainframe Specialist – Database – Fundamentals 2023
- Mainframe Specialist – z/OS UNIX System Services – Experienced 2.5

\*\* Note that the following badges will have also been attained if the student has completed the IBM Mainframe RACF Security Administrator Level I Certificate:

- Mainframe Security – RACF – Foundations 2.5
- Mainframe Security – RACF – Expert 2.5
- Mainframe Security – Systems Auditor – RACF – Experienced 2.5

### Approximate number of training hours – 56