



Certificate Level II Details

This certificate validates that the learner has a solid understanding of the systems programmer responsibilities in relation to security, and disaster recovery. They can describe how SDSF can be used to monitor and control system and batch job activity, and how JES2 facilitates workload processing.

This person is also experienced with JCL, being able to perform tasks such as conditional processing, in addition to procedure and symbol creation.

Prerequisites

The student should have successfully completed the IBM Mainframe Systems Programmer Level I certificate, or have equivalent knowledge.

Job Role

A Mainframe System Programmer is responsible for managing the mainframe hardware and software installation, configuration, maintenance, customization and tuning. On completion of this study, the student should be able to:

- Describe the types of tasks performed during data center disaster recovery
- Explain how JES2 processes workloads
- Create advanced JCL code
- Monitor and control system components and batch activity using SDSF
- Resolve common z/OS system errors

Value of Skills

The importance of security, compliance as well as system and data recovery cannot be understated, and learning how the systems programmer is involved with these areas is one of the major outcomes from this certificate. On the technical side, the student has built on their previous level I knowledge where they can use products such as SDSF to confidently monitor and control system activity.

The advanced JCL content means that the person completing this certificate is now capable of reviewing site standards and recommending strategies for JCL code.

Much of this learning is also considered a prerequisite for other advanced technical jobs such as a Security Administrator, Senior Operator, or Storage Specialist.

IBM Skills Badges Attained

- Mainframe Specialist – z/OS Security – Foundations z/OS 2.5
- Business Continuity and Disaster Recovery Essentials - Foundations
- Disaster Recovery and Business Continuity Solutions - Experienced
- Mainframe Specialist – JES2 – Foundations 2.5
- Mainframe Specialist – Job Control Language – Experienced 2.5
- Mainframe Specialist – Job Control Language – Expert 2.5
- Mainframe Specialist – SDSF Job Management – Experienced 2.5
- Mainframe Specialist – SDSF System Management – Experienced 2.5
- Mainframe Specialist – SDSF – Expert 2.5
- Mainframe Specialist – SMP/E – Foundations 2.5
- Mainframe Specialist – z/OS – Expert 2.5
- Mainframe Specialist – Hardware Management Console – Fundamentals 2.16

Approximate number of training hours – 93

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- Interskill Simulations
- Interskill Video
- IBM Skills Badges
- IBM Professional Certificate

Branch indicates that courses can be undertaken in any order, but all need to be completed