skillsoft**
global
knowledge™

IBM
Business
Partner
Global Training Provider

IBM System z Parallel Sysplex Operations

Duration: 3 Days   Course Code: ES73G   Delivery Method: Virtual Learning

Overview:

This course is designed so that students can learn how z/OS systems operate in a Parallel Sysplex environment through discussion topics and hands-on lab exercises. Students learn problem determination skills, practice enhanced sysplex operations, including management of the coupling facility (CF), and use recovery capabilities provided by the System z servers.
The course consists of six units and 12 hands-on lab exercises.

Virtueel en Klassikaal™

Virtueel en Klassikaal™ is een eenvoudig leerconcept en biedt een flexibele oplossing voor het volgen van een klassikale training. Met Virtueel en Klassikaal™ kunt u zelf beslissen of u een klassikale training virtueel (vanuit huis of kantoor)of fysiek op locatie wilt volgen. De keuze is aan u! Cursisten die virtueel deelnemen aan de training ontvangen voor aanvang van de training alle benodigde informatie om de training te kunnen volgen.

Target Audience:

The audience includes operations personnel and technical staff who are directly involved in the installation, operation, systems support, and software support of their Parallel Sysplex environment.

Objectives:

- Identify the difference between a base and a Parallel Sysplex

-

- Describe the hardware components of a Parallel Sysplex

-

- Describe the software components of a Parallel Sysplex

-

- List sysplex couple data sets and define their purpose

-

- Identify and describe sysplex commands to display signaling and couple data set usage

-

- Identify all coupling facility links, speeds, and connectivity options for System z servers

-

- List the various structure types and how they are used

-

- Identify potential users of a CF

-

- Describe the CFRM policy and required parameters within the

-

- Describe and identify various sysplex CF configurations, including high-availability CF configurations

-

- Describe the types of failures and recoveries that can be automated with SFM

-

- Start and stop SFM policies and identify SFM actions for each system

-

- Identify new SFM support at z/OS 1.8 and z/OS 1.9

-

- Determine the status and parameters of any sysplex console

-

- Use z/OS commands to display console attributes, change console attributes, and route messages to any sysplex member

-

- Describe the use and purpose of console switching groups

-

- Identify console updates that apply to z/OS 1.8 and z/OS 1.10

policy

- Describe how the CF is used to enable resource and data sharing

- Use commands to display and change the operational status of a CF

- Use the various z/OS commands to determine the current status of sysplex members

- Remove a system from the sysplex

- Describe structure and connector attributes

- Use z/OS commands to resolve a problem structure status

- Use z/OS commands to remove, add sysplex primary or alternate couple data sets, and modify CDS settings

- Describe procedures for moving off a coupling facility for maintenance or other reasons

- Describe the operator options to relocate structures between CFs

- Use z/OS, JES2 commands, and CFRM polices, if required, to remove structures, CF links, and CFs

- Define why time synchronization is required in a sysplex

- Describe time synchronization options in a sysplex

- Describe Sysplex Timer (9037) configurations

- Define server time protocol terminology and configurations:

- Mixed Coordinated Timing Network

- STP-only Coordinated Timing Network

- Identify three major phases of the IPL process

- Describe what happens during each phase of the IPL process

- Identify and resolve IPL-related problems

- Perform a successful IPL of the z/OS system

Prerequisites:

You should have an understanding of:

- Basic data processing and I/O concepts and terminology
- z/OS console operation, including display of device, job, and console status

Content:

Day 1	Day 2	
◼ (00:30) Welcome	◼ (00:30) Review	◼ (02:30) Unit 1: Sysplex overview
		◼ (01:00) Unit 2: Coupling Facility
		◼ (03:00) Supporting labs
		◼ (03:00) Unit 3: Sysplex operation and recovery
◼ (02:30) Unit 1: Sysplex overview	◼ (02:30) Unit 1: Sysplex overview	◼ (03:30) Supporting labs
◼ (01:00) Unit 2: Coupling Facility	◼ (01:00) Unit 2: Coupling Facility	◼ (01:00) Unit 4: Sysplex Failure Manager and console operations
◼ (03:00) Supporting labs	◼ (03:00) Supporting labs	◼ (01:00) Unit 5: Sysplex timer and Sever Time Protocol operation
◼ (03:00) Unit 3: Sysplex operation and recovery	◼ (03:00) Unit 3: Sysplex operation and recovery	◼ (00:45) Unit 6: z/OS IPL flow
◼ (03:30) Supporting labs	◼ (03:30) Supporting labs	◼ (02:00) Supporting labs
◼ (01:00) Unit 4: Sysplex Failure Manager and console operations	◼ (01:00) Unit 4: Sysplex Failure Manager and console operations	
◼ (01:00) Unit 5: Sysplex timer and Sever Time Protocol operation	◼ (01:00) Unit 5: Sysplex timer and Sever Time Protocol operation	
◼ (00:45) Unit 6: z/OS IPL flow	◼ (00:45) Unit 6: z/OS IPL flow	
◼ (02:00) Supporting labs	◼ (02:00) Supporting labs	
		◼ (02:30) Unit 1: Sysplex overview
		◼ (01:00) Unit 2: Coupling Facility
		◼ (03:00) Supporting labs
		◼ (03:00) Unit 3: Sysplex operation and recovery
◼ (02:30) Unit 1: Sysplex overview	◼ (02:30) Unit 1: Sysplex overview	◼ (03:30) Supporting labs
◼ (01:00) Unit 2: Coupling Facility	◼ (01:00) Unit 2: Coupling Facility	◼ (01:00) Unit 4: Sysplex Failure Manager and console operations
◼ (03:00) Supporting labs	◼ (03:00) Supporting labs	◼ (01:00) Unit 5: Sysplex timer and Sever Time Protocol operation
◼ (03:00) Unit 3: Sysplex operation and recovery	◼ (03:00) Unit 3: Sysplex operation and recovery	◼ (00:45) Unit 6: z/OS IPL flow
◼ (03:30) Supporting labs	◼ (03:30) Supporting labs	◼ (02:00) Supporting labs
◼ (01:00) Unit 4: Sysplex Failure Manager and console operations	◼ (01:00) Unit 4: Sysplex Failure Manager and console operations	
◼ (01:00) Unit 5: Sysplex timer and Sever Time Protocol operation	◼ (01:00) Unit 5: Sysplex timer and Sever Time Protocol operation	
◼ (00:45) Unit 6: z/OS IPL flow	◼ (00:45) Unit 6: z/OS IPL flow	
◼ (02:00) Supporting labs	◼ (02:00) Supporting labs	
		◼ (02:30) Unit 1: Sysplex overview
	Day 3	◼ (01:00) Unit 2: Coupling Facility
		◼ (03:00) Supporting labs
		◼ (03:00) Unit 3: Sysplex operation and recovery
◼ (02:30) Unit 1: Sysplex overview	◼ (02:30) Review and labs	◼ (03:30) Supporting labs
◼ (01:00) Unit 2: Coupling Facility		◼ (01:00) Unit 4: Sysplex Failure Manager and console operations
◼ (03:00) Supporting labs		◼ (01:00) Unit 5: Sysplex timer and Sever Time Protocol operation
◼ (03:00) Unit 3: Sysplex operation and recovery		◼ (00:45) Unit 6: z/OS IPL flow
◼ (03:30) Supporting labs		◼ (02:00) Supporting labs
◼ (01:00) Unit 4: Sysplex Failure Manager and console operations		
◼ (01:00) Unit 5: Sysplex timer and Sever Time Protocol operation		
◼ (00:45) Unit 6: z/OS IPL flow		◼ (02:30) Unit 1: Sysplex overview
◼ (02:00) Supporting labs		◼ (01:00) Unit 2: Coupling Facility
		◼ (03:00) Supporting labs
		◼ (03:00) Unit 3: Sysplex operation and recovery
		◼ (03:30) Supporting labs
		◼ (01:00) Unit 4: Sysplex Failure Manager and console operations
		◼ (01:00) Unit 5: Sysplex timer and Sever Time Protocol operation
		◼ (00:45) Unit 6: z/OS IPL flow
		◼ (02:00) Supporting labs

Further Information:

For More information, or to book your course, please call us on 030 - 60 89 444

info@globalknowledge.nl

www.globalknowledge.com/nl-nl/

Iepenhoeve 5, 3438 MR Nieuwegein