IBM PowerHA for i, Clustering, and IASP Implementation

Information

Length:	4.0 Days
__Ref:	AS54G-X
Delivery method:	ClassroomInstructor Led Online
Price:	EUR

Overview

The purpose of the class is to teach students how to create and use IASPs in a variety of application environments. Also, once the IASPs have been created and used in a stand-alone environment, the student will learn how to use IBM i clusters, geographic mirroring, and Copy Services to make the IASP highly available.

Public

This is an intermediate technical course for systems programmers and administrators who are considering high availability options for their IBM i environment.

Prerequisits

You should have an understanding of the IBM i concepts in areas such as system security, application implementation, system operations, work management, **and** communication.

Objective

- Name the types of objects that can be placed in an IASP
- Describe the methods used to access information in an IASP
- Create an IASP
- Use an IASP to support a variety of application functions
- Manage a system with IASPs
- Describe the different availability options using clusters and IASPs
- Create a cluster
- Make an IASP highly available with geographic mirroring
- Practice switchover and failover operations
- Explain the management considerations for systems in a cluster
- Describe the use of Advanced Copy Services service offering with PowerHA

Topics

Day 1

- Welcome and orientation
- Unit 1 - Introduction to IASPs
- Unit 2 - Creating an IASP and making it available
  - Lab 1 - Create and vary on IASPs
- Unit 3 - Migrating to an IASP
  - Lab 2 - Create a library in, and restore a library to, an IASP
  - Lab 3 - Create an IFS directory in, and move an IFS file to, an IASP
- Unit 4 - Connecting jobs to IASPs - Part 1
  - Lab 4 - Connecting jobs to IASPs: Setting namespace
  - Lab 5 - Commands that work outside the job namespace
- Unit 5 - Connecting jobs to IASPs - Part 2

Day 2

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  - Lab 6 - Connecting batch jobs and scheduled jobs to an IASP
- Unit 6 - IASP database and remote access
  - Lab 7 - Accessing IASPs: Setting DB connectivity
- Unit 7 - Spooled output in an IASP
  - Lab 8 - Spool files in IASPs
- Unit 8 - IASP operational considerations
  - Lab 9 - Print the output from the last IASP vary on
  - Lab 10 - Restrict access to the IASP
- Unit 9 - Save and restore an IASP
- Unit 10 - Multiple IASP considerations

Day 3

- Unit 11 - Introduction to clusters
- Unit 12 - Cluster control
  - Lab 11 - Create and manage a cluster
- Unit 13 - Cluster device domains
  - Lab 12 - Add cluster nodes to a cluster device domain
- Unit 14 - Configure geographic mirroring with PowerHA
  - Lab 13 - Create a geographic mirror and switch
- Unit 15 - Manage geographic mirroring with PowerHA
  - Lab 14 - Geographic mirror detach/reattach

Day 4

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  - Lab 15 - Geographic mirror failover message queue and failovers
- Unit 16 - Copy Services with PowerHA
  - Lab 16 - Configure and perform a FlashCopy
- Unit 16 - Copy Services with PowerHA (continued)
  - Lab 17 - Configure and perform a Metro Mirror switch
- Unit 16 - Copy Services with PowerHA (continued)
- Unit 17 - Administrative domains
  - Lab 18 - Create and manage an administrative domain
- Unit 18 - Cluster partitions
- Unit 19 - Managing clusters
- Unit 20 - Advanced Copy Services for PowerHA