

## **PowerHA SystemMirror 7 Planning and Implementation and Customization and Basic Administration**

**Duration: 5 Days    Course Code: AN61G    Delivery Method: Virtual Classroom**

### **Overview:**

This course is designed to prepare students to install and configure a highly available cluster using PowerHA SystemMirror. Important: This course consists of several independent modules. The modules, including the lab exercises, stand on their own and do not depend on any other content. The exercises are conducted on an AIX 7.2 TL1 level system.

#### **Virtual Learning**

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

### **Target Audience:**

The recommended audience for this course is students who are: experienced AIX system administrators with TCP/IP networking and AIX Logical Volume Manager (LVM) experienced responsible for the planning and installation of a PowerHA SystemMirror 7.2.1 and later cluster on an IBM Power Systems server running AIX V7.2 or later.

### **Objectives:**

- After this course, participants should be able to:
- Explain what high availability is
- Outline the capabilities of PowerHA SystemMirror
- Design and plan a highly available PowerHA cluster
- Install and configure PowerHA SystemMirror in the following modes of operation:
- Single resource group on a primary node with standby node (active/passive)
- Two resource groups in a mutual takeover configuration (active/active)
- Configure resource group startup, failover, and fallback policies
- Perform basic system administration tasks for PowerHA
- Perform basic customization for PowerHA
- Perform basic problem determination and recovery

### **Prerequisites:**

You should be AIX system administrator and have TCP/IP, LVM storage, and disk hardware implementation skills.

### **Follow-on-Courses:**

This course is the first in the PowerHA 7 curriculum.

The following course can be taken after this course is completed: AN62G: PowerHA 7 Advanced Configurations

## Content:

### Day 1

- Welcome and course introduction
- Unit 1: Introduction to PowerHA SystemMirror
- Unit 2: Planning and configuring network and storage for PowerHA SystemMirror
- Exercise 1: Lab setup, cluster planning, and exploring failover
- Exercise 2: Preparing the AIX environment for PowerHA SystemMirror

### Day 2

- Unit 3: Configuring applications for PowerHA SystemMirror
- Unit 4: Configuring a PowerHA SystemMirror cluster
- Exercise 3: Preparing an application for integration with SystemMirror
- Exercise 4: Initial cluster configuration

### Day 3

- Unit 5: Cluster validation and testing
- Unit 6: Basic PowerHA SystemMirror administration
- Exercise 5: Cluster validation and testing
- Exercise 6: Extending the configuration

### Day 4

- Unit 7: Events
- Unit 8: Basic troubleshooting
- Exercise 7: Events
- Exercise 8: PowerHA SystemMirror problem determination

### Day 5

- Unit 9: PowerHA SystemMirror installation
- Exercise 9: Install and maintain PowerHA SystemMirror
- Open lab

## Additional Information:

An official course book in english is shared with the participants

## Further Information:

For More information, or to book your course, please call us on 00 966 92000 9278

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