PowerHA SystemMirror 7 Advanced Configurations

Kód kurzu: AN62G

This course is designed to teach experienced PowerHA SystemMirror for AIX professionals the latest features in PowerHA SystemMirror. It covers how to:Effectively administer and monitor an IBM PowerHA SystemMirror for AIX clusterImplement PowerHA SystemMirror for AIX's more complex options

Pro koho je kurz určen

This intermediate course is for experienced AIX system administrators and support personnel who will be responsible for the administration, maintenance, and implementation of PowerHA SystemMirror clusters on IBM Power p systems running AIX. This audience will include:

- Students who want to learn to work with the PowerHA SystemMirror 7.1 for AIX
- Students who want to learn about how to implement PowerHA SystemMirror for AIX in complex configurations
- Technical leaders responsible for designing PowerHA SystemMirror for AIX clustering solutions

Important: This course is not suitable for students that do not have prior knowledge of AIX or PowerHA SystemMirror for AIX and want to go from novice to expert in five days.

Co Vás naučíme

- Review fundamental PowerHA SystemMirror for AIX concepts and components

Use the more complex configuration options:

- Create four node clusters with two independent resource groups
- Create and test robust application start and stop scripts
- Create and test custom application monitors
- Create resource group dependencies
- Customize event notifications
- Integrate WPAR and DLPAR with applications under PowerHA control
- Determine the status of the cluster and cluster components using PowerHA/SNMP commands and the IBM Systems Director plug-in
- Integrate applications using Smart Assists into PowerHA SystemMirror for AIX:
- Using the DB2 Smart Assist pref

Požadované vstupní znalosti

You should have experience with installing and performing standard PowerHA SystemMirror for AIX configuration functions, which can be obtained through the following course (or equivalent experience):

- PowerHA SystemMirror 7 Planning, Implementing, Customizing and Administrating (AN61AGB)
- Note: AN61 is a mandatory prerequisite.

You should also be familiar with:

- The AIX operating system
- The IBM server hardware that they are using
- The principles of good system management
- TCP/IP communications concepts and tools, as covered in Power Systems for AIX II: AIX Implementation and Administration (AN12GB) or AIX Jumpstart for UNIX Professionals (AN14GB) briefly (or in TCPIP for AIX Administrators (AN21GB) extensively)
- Logical Volume Manager (LVM) concepts and configuration, as covered in Power Systems for AIX II: AIX Implementation and Administration (AN12GB) or AIX Jumpstart for UNIX Professionals (AN14GB)
- Good Korn Shell script programming

Osnova kurzu

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Day 1
- Welcome
- Unit 1: PowerHA review with the advanced topology and CSPOC
- Exercise 1: Lab setup, cluster review, topology, and CSPOC administration

Day 2
- Unit 2: Adding applications
- Exercise 2: Adding additional applications

Day 3
- Unit 3: Advanced administration: Resources and resource groups
- Exercise 3: Application monitors and resource group dependencies

Day 4
- Unit 4: Determining cluster status using the command line interface
- Exercise 4: Determining cluster status using command line Unit 5: Advanced administration: Event configuration
  Exercise 5: PowerHA for AIX event configuration

Day 5
- Unit 6: Advanced administration: DLPAR and WPAR implementation
- Exercise 6: Implementing DLPAR and WPAR
- Unit 7: Using the PowerHA SystemMirror plug-in for IBM Systems Director (optional)
- Open lab time

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