Enterprise Computing Solutions - Education Services

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Power Systems for AIX III: Advanced Administration and Problem Determination

CODE:	DURÉE:	PRIX H.T.:
AN15G	40 Hours (5 Jours)	€3,990.00

Description

Learn advanced AIX system administrator skills focusing on availability and problem determination. Learn detailed knowledge of the ODM database where AIX maintains configuration information.
Learn to monitor for and deal with AIX problems with emphasis on Logical Volume Manager problems, including procedures for replacing disks.
While the course includes some AIX 7.1 enhancements, most of the material is applicable to prior releases of AIX.
There is also an instructor-led online version of this course: *Power Systems for AIX III: Advanced Administration and Problem Determination (ILO) (AX150)*
If you are enrolling in a Self Paced Virtual Classroom or Web Based Training course, before you enroll, please review the **Self-Paced Virtual Classes and Web-Based Training Classes** on our Terms and Conditions page, as well as the system requirements, to ensure that your system meets the minimum requirements for this course.
http://www.ibm.com/training/terms

Objectifs

- Perform system problem determination and reporting procedures including analyzing error logs, creating dumps of the system, and providing needed data to the AIX Support personnel
- Examine and manipulate Object Data Manager databases
- Identify and resolve conflicts between the Logical Volume Manager (LVM) disk structures and the Object Data Manager (ODM)
- Complete a very basic configuration of Network Installation Manager to provide network boot support for either system installation or booting to maintenance mode
- Identify various types of boot and disk failures and perform the matching recovery procedures
- Implement advanced methods such as alternate disk install, multibos, and JFS2 snapshots to use a smaller maintenance window

Audience

This is an advanced course for AIX system administrators, and system support individuals with at least six months of experience in AIX.

Prérequis

You should be able to:

- Use the Hardware Management Console (HMC) to activate a logical partition running AIX **and** to access the AIX system console
- Install the AIX operating system from a NIM server
- Implement AIX backup **and** recovery
- Manage additional software **and** base operating system updates
- Use management tools such as SMIT
- Understand how to manage file systems, logical volumes, **and** volume groups
- Master the UNIX user interface including use of the vi editor, command execution, input and output redirection, **and** the use of utilities such as grep

These skills may be obtained by enrolling in:

- *Power Systems for AIX II: AIX Implementation and Administration (AN120)* **or** *Power Systems for AIX II: AIX Implementation and Administration (ILO) (AX120)*

If you have AIX system administration skills, but are not familiar with the LPAR environment, you may obtain those skills by enrolling in:

- *Power Systems for AIX I: LPAR Configuration and Planning (AN110)* **or** *Power Systems for AIX I: LPAR Configuration and Planning (ILO) (AX110)*

Programme

Day 1

- Unit 1 - Advanced AIX administration overview
- Exercise 1
- Unit 2 - The Object Data Manager
- Exercise 2
- Unit 3 - Error monitoring
- Exercise 3

Day 2

- Unit 4 - Network Installation Manager basics
- Exercise 4
- Unit 5 - System initialization: Accessing a boot image
- Exercise 5

Day 3

- Unit 6 - System initialization: rc.boot and inittab
- Exercise 6
- Unit 7 - LVM metadata and related problems
- Exercise 7
- Unit 8 - Disk management procedures
- Exercise 8

Day 4

- Unit 8 continued
- Exercise 8 continued
- Unit 9 - Install and cloning techniques
- Exercise 9
- Unit 10 - Advanced backup techniques
- Exercise 10

Day 5

- Exercise 10 continued
- Unit 11 - Diagnostics
- Unit 11
- Unit 12 - The AIX system dump facility
- Exercise 12

Dates de session

Date	Lieu	Time Zone	Langue	Type	Garanti	PRIX H.T.
24 Jun 2024	Virtual Classroom	CEDT	English	Instructor Led Online		€3,990.00
02 Dec 2024	Virtual Classroom	CET	English	Instructor Led Online		€3,990.00
30 Sep 2024	Virtual Classroom	CEDT	English	Instructor Led Online		€3,990.00

Informations Complémentaires

Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.