AIX Jumpstart for UNIX Professionals

Duration: 5 Days **Course Code: AN14G** **Version: 7.0** **Delivery Method: Company Event**

Overview:

Provide focused training for experienced UNIX administrators on how to install, customize, and administer the AIX operating system in a multiuser IBM Power server partitioned environment. The course is based on AIX 7.3 running on a Power system managed by Hardware Management Console version 10 and provides practical discussions that are appropriate to earlier AIX releases.

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Target Audience:

This intermediate course is intended for system administrators who need training to support their transition to supporting AIX running on IBM Power processor based systems in a multiuser Power (System p) partitioned environment.

Objectives:

- Install the AIX operating system, filesets, and RedHat Package Manager (RPM) packages
- Perform system startup and shutdown
- Discuss and use system management tools such as System Management Interface Tool (SMIT) and IBM Systems Director console for AIX
- Manage physical and logical devicesDiscuss the purpose of the logical volume manager
- Perform logical volume and file system managementPerform and restore system backups
- Use the AIX error log and RMC as tools in problem determination
- Configure Transmission Control Protocol/Internet Protocol (TCP/IP) networking

Prerequisites:

You should be able to use basic UNIX commands to:

- Execute basic AIX commands
- Manage files and directories
- Use the vi editor
- Use redirection, pipes, and tees
- Use the utilities find and grep
- Use command and variable substitution
- Set and change Korn shell variables
- Write simple shell scripts

The above skills can be acquired by attending AIX Basics (AN10D1DG or AN10G) **or** through equivalent AIX/UNIX knowledge.

In addition, you are expected to have hands-on experience administering a UNIX operating system (such as Solaris, HP/UX, and others) including:

- User management and system security
- Storage
- Networking

- System shutdown and restart
- Backup and recovery
- System task scheduling

Content:

Day 1

- Welcome
- Unit 1: Introduction to AIX and IBM Power servers
- Exercise 1: Introduction to AIX and IBM Power servers
- Unit 2: AIX system management tools
- Exercise 2: Using system management tools in AIX
- Unit 3: AIX software installation and maintenance
- Exercise 3: AIX software installation and maintenance
- Unit 4: System configuration and devices
- Exercise 4: System configuration and devices

Day 2

- Unit 5: TCP/IP networking
- Exercise 5: TCP/IP implementation
- Unit 6: System startup and shutdown
- Exercise 6: System startup and shutdown
- Unit 7: Basics of configuring logical partitions
- Exercise 7: Configuring logical partitions
- Unit 8: AIX installation
- Exercise 8: AIX installation
- Unit 9: Working with the Logical Volume Manager

Day 3

- Exercise 9: Working with LVM
- Unit 10: File systems administration
- Exercise 10: File systems administration
- Unit 11: The Object Data Manager
- Exercise 11: The Object Data Manager
- Unit 12: LVM metadata
- Exercise 12: LVM metadata issues
- Unit 13: Disk management procedures
- Exercise 13: Disk management procedures

Day 4

- Unit 14: Backup and restore
- Exercise 14: Backup and restore
- Unit 15: Error monitoring
- Exercise 15: Error monitoring
- Unit 16: System initialization - I
- Exercise 16: System initialization - I (Parts 1-3)

Day 5

- Exercise 16: System initialization - I (Part 4)
- Unit 17: System initialization - II
- Exercise 17: System initialization - II
- Unit 18: The AIX system dump facility
- Exercise 18: System dump
- Unit 19, Advanced install techniques Topic 1: Alternate disk installation
- Exercise 19, Advanced install techniques Topic 1: Alternate Disk
- Unit 19, Advanced install techniques Topic 2: Using multibos
- Exercise 19: Advanced install techniques Topic 2: multibos
- Optional Appendix A: Survey of additional AIX facilities
- Optional Appendix B: Printers and queues

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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