

# AIX Jumpstart for UNIX Professionals

Course code: AN14G

Provide focused training for experienced UNIX administrators on how to install, customize, and administer the AIX operating system in a multiuser POWER (System p) partitioned environment. The course is based on AIX 7.1 running on a Power system managed by Hardware Management Console version 7 and provides practical discussions that are appropriate to earlier AIX releases.

## Who is the course for

Provide focused training for experienced UNIX administrators on how to install, customize, and administer the AIX operating system in a multiuser POWER (System p) partitioned environment. The course is based on AIX 7.1 running on a Power system managed by Hardware Management Console version 7 and provides practical discussions that are appropriate to earlier AIX releases.

## What we teach you

- 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 devices
- Discuss the purpose of the logical volume manager
- Perform logical volume and file system management
- Perform and restore system backups
- Use the AIX error log as a tool in problem determination
- Configure TCP/IP networking

## Required skills

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

## Course outline

### Day 1

- Welcome
- Unit 1: Introduction to AIX and IBM Power systems
- Exercise 1: Introduction to AIX and IBM Power systems
- 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

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- 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, Topic 1: Alternate disk installation
- Exercise 19, Topic 1: Alternate Disk
- Unit 19, Topic 2: Using multibos
- Exercise 19: Topic 2: multibos
- Optional Appendix A: Survey of additional AIX facilities
- Optional Appendix B: Printers and queues

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