

## INTRODUCTION TO IBM-AIX System Administration

\*Group rates available – Inquire for more details\*

**Duration:** 20 hours

### **Objective**

To provide basic knowledge in administering an AIX box

### **Audience**

The audience would typically be using Unix as an operating system for multiple tasks. Examples of such tasks would be managing files, printing, running applications, programming, database administration etc.

### **Prerequisites**

- Students must have at least one year of system administration experience on Linux, Tru64, Solaris, or another UNIX platform.

### **Included Labs**

Labs to be provided by the trainer

### **Course Content**

#### **Lesson 1: Installation and Startup**

- Identify the features of AIX and hardware.
- Identify the functions of the AIX system administrator.
- Identify the hardware requirements for the installation of AIX 4.3.
- Identify the procedure for installing AIX.
- Identify the post-installation procedures for AIX. Identify the steps of the boot process of an IX System.
- Identify the modes of operation of an RS/6000 system. Identify the startup events of an AIX system.
- Shut down an AIX system

#### **Lesson 2: Installation and Startup**

- Identify the commands related to creating a tape boot image
- Identify the features of Web-based System Manager (WSM).
- Identify the features of System Management Interface Tool (SMIT).
- Manage additional software installations with WSM.
- Identify the AIX Help options.

### Lesson 3: System Administration

- Manage users with WSM and SMIT.
- Manage users with the command-line interface (CLI).
- Identify types of files on AIX.
- Identify the commands used to manage groups with WSM and SMIT.
- Identify the commands used to manage groups with the command-line interface (CLI).

### Lesson 4: System Administration

- Identify the features of the Logical Volume Manager (LVM).
- Identify the types of AIX file systems.
- Identify the AIX CLI commands that can be used to manage a file system.
- Identify the features of the SMIT and WSM file system managers.
- Mount a file system by using the command-line interface (CLI).
- Modify a file system.

### Lesson 5: System Administration

- Identify the features of disk mirroring.
- Identify the standard AIX permission bits.
- Identify the features of access control lists (ACLs).
- Identify AIX roles.

### Lesson 6: System Administration

- Identify types of backup media.
- Identify backup command-line interface (CLI) commands.
- Identify the procedure for using the mksysb system backup command.
- Identify the procedures for restoring files from a system backup.
- Identify the guidelines for recovering from a disaster.

### Lesson 7: System Resources

- Track the status of active processes.
- Schedule processes with the command-line interface (CLI).
- Identify the commands used in the error-logging process.
- Identify the reasons for continuous AIX performance monitoring.
- Identify CLI commands that are available for performance monitoring.
- Identify the guidelines for achieving optimal system performance.

### Lesson 8: System Resources

- Identify the features of AIX system devices and drivers.
- Identify the procedure for configuring devices.
- Identify the features of the performance diagnostic tool (PDT).
- Perform system tuning operations.
- Identify the features of the Object Data Manager (ODM).