

IBM AIX Online Training

Unit1: Basics

- File system of UNIX
- Architecture of UNIX
- Creating, removing, copying, moving files & directories
- Using files and directories
- Wildcard characters
- Input/Output-Redirections
- File/Directory permissions
- Vi-Editor
- Usage of filter commands

Unit2: Structure of UNIX Commands

- Architecture
- File System
- Logging in

Unit3: Process Scheduling

- Background processes
- killing a process

Unit4: AIX installation

- Using new and overwrite method
- Preservation method
- migration method

Unit5: Devices

- Object Data Manager(ODM)
- Device Terminology
- Device states
- Configuring the devices
- Self configuring devices
- Solving Real time issues related to devices
- Solving device related questionnaire
- Change of media speed on Ethernet adapter

Unit6: User & Group Administration

- User initialization process
- List all users, Add / change / Show / Remove user from AIX
- Password management - Regaining root's password

- List all groups, Add / Change / Show / Remove group from AIX
- System security files

Unit7: Device Management

- Device Terminology
- Supported Devices
- Device States, Self Configuring, Device States
- Listing Devices, Documenting Hardware configuration

Unit8: Security and User Administration

- User accounts
- Groups
- Security logs
- Security files
- Changing ownerships
- Login sequence
- Regaining root's password

Unit9: Storage Technology

- DAS (Direct Attach Storage)
- NAS (Network Attach Storage)
- SAN (Storage Attach Storage)

Unit10: Logical Volume Manager

- Benefits of LVM
- Logical Volume Manager Components
- Physical storage
- Logical storage
- RAID levels
- MWC (Active, Passive)
- Read & Write policies
- Volume groups
- Uses of logical volumes
- LVM questionnaire include real time issues related to LVM

Unit11: Security Administration

- File permission and owner ship
- Access Control List (ACL)
- Trojan Horse, security logs, SUID, SGID, Sticky bit, umask, motd , security files
- Trusted Base Computing (TCB)

Unit12: Automated Tasks

- Corn, at and Batch

Unit13: Backup and Restore

- Types of backup
- Strategy, Devices, Backup & Restore rootvg, mksysb, backup and restore other VGs
- Other UNIX backup commands - tar, cpio, dd

Unit14: Network File System

- NFS services, Planning, installation, and configuration of NFS
- Exporting NFS directories, Unexporting an NFS directory
- Mounting an NFS directory
- Administration of NFS servers and clients, NFS files
- Commands and daemons reference

Unit15: Chapters

- Introduction to IBM POWER p systems, AIX and System Administration
- AIX System Management Tools
- System startup and shutdown
- AIX installation
- AIX Software installation and maintenance
- System configuration and devices
- System storage overview
- Working with the Logical Volume Manager
- Managing file systems
- Paging space
- Backup and restore
- Security and user administration
- Scheduling
- TCP/IP Networking Overview

