

### IBM Certified System Administrator — AIX

OEM: IBM • Duration: 3 Days (24 hrs) • Code: IBM-AIX

#### COURSE MODULES & TOPICS

##### Section 1: Systems Availability

- CEC firmware management
- Data availability and I/O load balancing
- AIX high availability configurations
- AIX system startup and shutdown procedures

##### Section 2: Storage Management

- RAID configuration options
- Logical Volume Manager (LVM)
- GPFS/Spectrum Scale
- Storage attachment and device configuration
- Volume group and logical volume management

##### Section 3: System and Network Security

- Configuring AIX security features
- WPAR security attribute management
- User/group security policies
- Auditing and system logging

##### Section 4: Partition Management

- LPAR creation and configuration
- WPAR (Workload Partition) management
- VIO client partition configuration
- HMC and PowerVC usage

##### Section 5: Systems Management and Tuning

- Performance monitoring and tuning
- Workload management
- AME (Active Memory Expansion) and AMS (Active Memory Sharing)
- Shared Processor Pools

## Section 6: Network Management

- Network interface configuration in AIX
- Network Interface Backup (NIB) and failover
- TCP/IP routing and link aggregation
- Channel and link failure handling

## Section 7: Systems Management

- NIM (Network Installation Management)
- System monitoring and alerts
- Backup and recovery (mksysb, savevg, TSM)

## Section 8: Installation and Management of AIX

- Base AIX OS installation (DVD, NIM)
- LPP (Licensed Program Product) installation
- Software updates and patch management
- Software removal and upgrade procedures
- Device configuration (cfgmgr, TTY, parallel devices)

## Section 9: General Administration Tasks

- User administration (resource limiting, group creation)
- NIM and WPAR management
- System troubleshooting (LED hangs, system hangs)
- Problem determination for software installation