

# INFOSOFT IT SOLUTIONS

**Training | Projects | Placements**

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## **IBM AIX Course Content**

### **Introduction to AIX**

- History and evolution of AIX
- AIX architecture and kernel overview
- Features and benefits of AIX

### **Installation and Configuration**

- Hardware requirements
- Installation methods (CD, NIM, mksysb)
- Disk partitioning and file systems (JFS, JFS2)
- Basic system configuration (hostname, network settings, etc.)

### **User and Group Management**

- User accounts and authentication (passwd, useradd, userdel)
- Group administration (groupadd, groupdel)
- File permissions and access control (chmod, chown, ACLs)

### **System Administration**

- Managing system resources (CPU, memory, processes)

- Managing storage (logical volume management, RAID)
- Backup and recovery strategies (mksysb, backup commands)
- System monitoring and troubleshooting (vmstat, topas, errpt)

## **Networking**

- Configuring TCP/IP networking
- Network services (DNS, DHCP, NFS, NIS)
- Firewall configuration (iptables, ipfw)

## **Security**

- User authentication (password policies, SSH)
- File system security (permissions, encryption)
- Auditing and logging (auditd, syslog)

## **Advanced Topics**

- Performance tuning (tuning parameters, monitoring tools)
- High availability (HACMP, PowerHA)
- Virtualization (AIX LPARs, VIO servers)
- Scripting and automation (shell scripting, cron jobs)

## **Troubleshooting and Maintenance**

- Diagnosing system problems (error logs, trace commands)
- Performance analysis (sar, nmon)
- Patch management and software updates

## **Integration with IBM Ecosystem**

- Integration with IBM Power Systems hardware
- Integration with IBM Cloud and other IBM products
- Best practices for deploying AIX in IBM environments

## **Case Studies and Hands-on Labs**

- Real-world scenarios and case studies
- Hands-on exercises to reinforce concepts
- Practice with AIX commands and utilities