

AS21- Communications Application Serve Course

Course Duration: 32 Hrs.

Course code: AS21

Course Overview

A brief introduction to the AS21 Communications Application Server, including its purpose, significance in communication systems, and the overall scope of the course. This sets the stage for what students can expect to achieve.

What you'll learn?

- Understand the architecture and components of the AS21 Communications Application Server.
- Configure and deploy communication applications using AS21.
- Develop, test, and troubleshoot communication services.
- Integrate AS21 with other enterprise systems.
- Ensure security, reliability, and scalability in communication solutions.

Target Audience

- Software developers and engineers working on communications infrastructure.
- System architects and integration specialists.
- DevOps professionals responsible for deployment and operation of AS21-based systems.
- Technical leads overseeing communication application projects.

Pre-Requisites

- Basic understanding of network protocols and communication systems.
- Familiarity with server-side application development (e.g., Java, .NET, or equivalent).

- Knowledge of middleware and application server concepts.
- Basic exposure to system configuration and deployment processes.

Course Content

Module 1: Introduction & Architecture of AS21

- Overview of AS21's role in communication systems
- Architectural components: Application Layer, Management Layer, Transport Layer
- Deployment models and environment setup

Module 2: AS21 Configuration & Deployment

- Installation procedures and environment configuration
- Setting up communication endpoints and services
- Environmental validation and initial testing

Module 3: Developing Communication Applications on AS21

- Application development lifecycle
- APIs and tools provided by AS21
- Building sample applications (e.g., messaging, conferencing, VOIP integration)

Module 4: Integration & Advanced Features

- Connecting AS21 with external systems (e.g., databases, directory services, messaging platforms)
- Advanced capabilities: load balancing, high availability, failover strategies
- Logging, monitoring, and administration

Module 5: Security, Performance Tuning & Troubleshooting

- Securing communication channels and services
- Performance optimization best practices
- Diagnostic tools and troubleshooting common issues

- Maintenance and updates