

# INFOSOFT IT SOLUTIONS

Training | Projects | Placements

Revathi Apartments, Ameerpet, 1st Floor, Opposite Annapurna Block,

Infosoft It solutions, Software Training & Development Institute, 9059683947|9182540872

## **ATG System Administrator**

### **Introduction to ATG Platform**

- Overview of ATG Platform: History, evolution, and core components
- ATG Architecture: Nucleus framework, Repository Architecture, DSP Tag Libraries
- ATG Components: Dynamo Server, ACC (ATG Control Center), CIM (Customer Information Management)

### **Setting Up ATG Development Environment**

- Installing and Configuring ATG: Requirements and prerequisites
- ATG Deployment: EAR files, Configuration Management
- ATG Tools: ACC (ATG Control Center), Dynamo Admin, Nucleus Debugger

### **ATG Server Configuration and Management**

- ATG Server Architecture: Clustering, Load Balancing, Failover Configurations
- Managing ATG Server Instances: Start, stop, and monitor server processes
- JVM Tuning and Performance Optimization: Heap size, Garbage Collection settings

## **ATG Repository and Data Management**

- Introduction to ATG Repositories: Types (SQL, XML), Item Descriptor, Repository Definition Files (RDF)
- Managing Repository Data: Creating and updating items, Bulk Import/Export
- Repository Queries: SQL Repositories, QueryBuilder API

## **ATG Personalization and Content Administration**

- Targeting and Segmentation: Using ATG Personalization
- Content Administration: Managing content assets, CMS (Content Management System)
- Creating and Managing Scenarios: Campaigns, Promotions, Pricing Models

## **ATG Integration and Web Services**

- ATG Integration Framework: Integration with External Systems (SOAP, REST)
- Web Services in ATG: Creating and Consuming Web Services
- ATG B2B Commerce Integration: Catalog Management, Order Processing

## **ATG Performance Monitoring and Troubleshooting**

- Monitoring ATG Applications: Logging, Metrics, and Monitoring Tools
- Troubleshooting Common Issues: Performance bottlenecks, Memory Leaks
- Debugging Techniques: Using Nucleus Debugger, ACC Debugger

## **Security and Access Control in ATG**

- Authentication and Authorization: Configuring Security Policies
- Securing ATG Applications: SSL Configuration, Preventing OWASP Top 10 vulnerabilities
- User Management: Admin Users, Roles, Permissions

## **ATG Backup and Recovery**

- Backup Strategies: Data Backup, Configuration Backup
- Recovery Procedures: Restoring ATG Environments, Disaster Recovery Planning
- Version Control and Change Management: Managing Configuration Changes

## **ATG Upgrades and Patch Management**

- Upgrading ATG Applications: Planning and Executing Upgrades
- Patch Management: Applying ATG Patches, Version Compatibility
- Testing and Validating Upgrades: Regression Testing, Rollback Procedures

## **ATG Performance Testing and Optimization**

- Load Testing ATG Applications: Tools and Techniques
- Performance Optimization Strategies: Cache Management, Database Optimization
- Scaling ATG Environments: Horizontal and Vertical Scaling

## **ATG Best Practices and Advanced Topics**

- ATG Development Best Practices: Coding Standards, Design Patterns
- Continuous Integration and Deployment (CI/CD) for ATG Applications
- Advanced ATG Features: Dynamo Messaging System (DMS), Multisite Architecture

## **Real-world Projects and Case Studies**

- Implementing ATG in E-commerce: Case studies and success stories
- Best Practices and Lessons Learned from Real-world ATG Implementations

## **Career Development and Job Preparation**

- Building a Career as an ATG System Administrator: Skills and certifications
- Interview Preparation: ATG-related interview questions and scenarios
- Freelancing and Consulting Opportunities in ATG Administration