

INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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ATG (Art Technology Group)

Introduction to ATG Platform

- Overview of ATG Platform: History, evolution, and key features
- ATG Architecture: Nucleus framework, Repository Architecture, DSP Tag Libraries
- ATG Components: Dynamo Server, ACC (ATG Control

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 Nucleus and Component Development

- Introduction to Nucleus Components: Creating and Configuring Nucleus Components
- Dynamo Servlet Beans (DSBs): Handling HTTP requests, Response generation
- DSP (Dynamo Server Pages): Basics, Expressions, DSP Tags

ATG Repository and Data Management

- ATG Repositories: Types (SQL, XML), Item Descriptors, Repository Definition Files (RDF)

- Managing Repository Data: CRUD Operations, Item Descriptor Inheritance
- Repository Queries: SQL Repositories, QueryBuilder API

ATG Personalization and Scenario Development

- Targeting and Segmentation: Using ATG Personalization
- Scenario Development: Creating and Managing Scenarios, Targeters, and Slots
- Content Administration: Managing content assets, CMS (Content Management System)

ATG Integration and Web Services

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

ATG Commerce and Pricing

- ATG Commerce Components: Pricing Engines, Promotions, Discounts
- Shopping Cart and Checkout Process: Order Pipeline, Payment Processing
- Product Catalog Management: SKU Management, Product Variants

ATG Search and SEO

- ATG Search Services: Configuring and Implementing Search Services
- Search Engine Optimization (SEO) in ATG: Optimizing product pages, URL management
- Integrating ATG Search with Content Management

ATG Administration and Operations

- ATG Server Administration: Starting, Stopping, and Monitoring ATG Servers
- Deployment Strategies: EAR file deployment, Configuring Data Sources
- Performance Tuning: JVM Tuning, Cache Management, Monitoring Tools

ATG Security and User Management

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

ATG Upgrade 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 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 Developer or Administrator: Skills and certifications
- Interview Preparation: ATG-related interview questions and scenarios
- Freelancing and Consulting Opportunities in ATG Development