Foundations of ATG Application Development Rel 10.1.2

Duration: 3 Days

What you will learn

The ATG platform supports powerful and easy-to-use features that every ATG developer needs to master. This Foundations of ATG Platform Development Rel 10.1.2 course teaches web solution developers the essential background skills you need to start building applications using the ATG platform.

This course is appropriate for on-premises deployments only.

Learn To:

Use Nucleus to manage the scope, initialization, configuration and life-cycle of JavaBean components.
Create dynamic pages with the JSP and ATG DSP tag library.
Use the ATG form handling infrastructure.
Use out-of-the-box Dynamo Servlet Beans to provide a tight integration between pages and the back-end infrastructure.
Access data using ATG Repositories.
Extend the User Profile which supports persistent information about each web site visitor.
Access nucleus components from a web application.
Discuss the different tags in the ATG DSP tag library that can be used to access your Nucleus components.
Process forms using the powerful out-of-the-box form handlers
Define customized user profile templates
Configure and use ATG Nucleus components

Explore ATG Core Concepts

Investing in this course will teach you how to create an ATG Module in Eclipse using the ATG plugins. You will also learn about the structure of an ATG application, while creating and deploying an ATG application to a WebLogic Server instance.

Understand Nucleus Components

You will also learn what Nucleus is and how to create Nucleus components. Expert Oracle instructors will help you explore the different scoping options for Nucleus components and how that affects their usage. Furthermore, you'll learn how to monitor your active Nucleus components from the Administration Console.

Become Familiar with Repositories

This course will demonstrate how and why repositories are the backbone of the ATG Data Anywhere Architecture. You

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will learn how to access repositories by using the ATG DSP tag library; you'll also get the chance to configure a repository to access a SQL database. Finally, you'll learn how to use Repository Form Handlers to either retrieve or set values contained within a repository.

User Profile

At the core of any commerce experience is a user profile. This course will teach you about the information contained in a user's profile and how to extend the existing user profile to add properties. This hands-on training will also prepare you for further study of ATG's full-featured Commerce, Content Administration and Scenario Personalization SM capabilities.

A Live Virtual Class (LVC) is exclusively for registered students; unregistered individuals may not view an LVC at any time. Registered students must view the class from the country listed in the registration form. Unauthorized recording, copying, or transmission of LVC content may not be made.

Audience

Functional Implementer
Java Developer
System Administrator
Technical Consultant

Related Training

Suggested Prerequisites
Experience with Java, JavaServer Pages (JSP), J2EE

Experience with web application development

Working knowledge of HTML, XML and object-oriented programmi

Course Objectives

Implement JavaServer pages that use the specialized tags and servlets provided by ATG

Process forms using the powerful out-of-the-box form handlers

Define customized user profile templates

Configure and use ATG Nucleus components

Configure and access data in a SQL database using ATG Repositories

Course Topics

Getting Started
Overview of ATG products and technology

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Core concepts
ATG developer tools
ATG file organization
ATG Application Module assembly and deployment

Using Components
Nucleus components
Properties files
Configuration path layering
Component scope
Application logging

Dynamic Pages
JavaServer page (JSP) basics
The ATG tag library (DSP)
Component access
Page parameters and fragments
Dynamo Servlet Beans (“Droplets”)
Nested DSP tag restrictions

Using Repositories
ATG Data Anywhere Architecture overview
Repository architecture
Using repositories: repository servlet be
Querying a repository

Configuring SQL Repositories
Item descriptors
Repository definition files
Item descriptors
Item properties
Multi-value properties
Item descriptor inheritance
Sub-typing
Operational tags

Using Repository Form Handlers
ATG forms and form handlers
Configuring repository form handlers
Accessing dynamic bean properties (DSP form tags)
Multi-value form input
Submission handler methods
Page redirection
Error handling
Search form handlers

Extending the Profile Repository
Profile properties
Profile repository overview
Adding profile properties
Linking to other repository items
Profile form handlers

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