

Dell Boomi Integration Training

Course Description

The course is a comprehensive training program designed to equip participants with essential skills and knowledge to effectively utilize the Atmosphere Platform by Boomi for integration and workflow development. Through hands-on exercises and detailed modules, participants will learn how to navigate the platform, design integration processes, work with various shapes and connectors, and master deployment and reporting. By the end of the course, participants will be prepared to create, test, deploy, and manage integration solutions, making them valuable assets in cloud-based integration and automation.

Audience

This training program caters to integration developers, system administrators, business analysts, IT managers, data engineers, project managers, IT consultants, business owners, students, and anyone intrigued by cloud-based integration and automation. Whether you are a beginner or have prior experience, this course accommodates varying levels of expertise and offers a comprehensive understanding of the platform's capabilities to meet organizational needs or personal career goals.

Pre-requisite Knowledge/Skills

Participants should have the following prerequisites before enrolling in this course:

- Basic knowledge of cloud computing concepts.
- Familiarity with integration and workflow automation principles is helpful but not mandatory.

Course Objectives

Upon completing this training program, participants will:

- Gain a fundamental understanding of the AtomSphere Platform and its capabilities.
- Be proficient in using Boomi Services for integration and workflow development.
- Learn how to navigate the AtomSphere Platform and check its status.
- Create integration solutions by setting up folders and installing processes.
- Understand Atom Clouds and Environments and how to configure them effectively.
- Work with various shapes, connectors, and profiles to design integration processes.
- Test integration processes in a controlled environment.
- Develop mapping skills for data transformation using the Map Shape.
- Master the deployment workflow and process reporting.
- Learn how to undeploy processes when necessary

Course Outline

Module-wise Table of Contents:

Module 1: Introduction to AtomSphere Platform

- Introduction to Atmosphere Platform
- Getting Started with the AtomSphere Platform
- Getting to Know Boomi Services
- Getting Started - Logging into the AtomSphere Platform
- Exploring the Platform Homepage
- Checking the Platform Status

Module 2: Getting Started with Integration

- Introduction to Integration
- Creating Folders in Integration
- Install a Process from the Process Library
- Integration Essentials: Business Use Case
- Try-It: Create Your Folders
- Try-It: Install a Process from the Process Library

Module 3: Understanding Atom Clouds

- Defining the Atom Cloud
- Try-It: Setting up the Atom and Test Atom Clouds
- Understanding Environments
- Defining an Environment
- Try-It: Creating Environments
- Try-It: Attaching the Clouds to Environments

Module 4: Working with Shapes

- Defining the Start Shape
- Understanding the Connector Shape
- Understanding the FTP V2 Connector
- Understanding the Disk V2 Connector
- Understanding the Set Properties Shape

- Try-It: Configuring the FTP V2 Connector
- Try-It: Creating the Disk V2 Connector
- Try-It: Creating the Set Properties Shape

Module 5: Running a Process in Test Mode

- Defining Test Mode
- Try-It: Testing the Process
- Defining Documents and Understanding Flow
- Defining Documents
- Working with Profiles
- Try-It: Creating an XML Profile

Module 6: Understanding the Map Shape

- Defining the Map Shape
- Try-It: Create a Map Shape
- Try-It: Choose an Existing XML Profile
- Try-It: Manually Create a Flat File Profile
- Understanding Mapping
- Setting a Default Value
- Try-It: Map the fields
- Try-It: Set a Default Value
- Try-It: Complete the Process

Module 7: Understanding Deployment

- Understanding Deployment
- The Deployment Workflow
- Defining Packaged Components
- Defining Deployment
- Try-It: Package a Process
- Try-It: Deploy Your Process
- Understanding Process Reporting
- Try-It: Manually executing a process
- Understanding Undeploying
- Try-It: Undeploying a Process

Module 8: Advanced Shapes

- Add to Cache Shape
- Retrieve From Cache Shape
- Remove From Cache Shape
- Notify Shape
- Exception Shape
- Branch Shape

Module 9: Execution Modes

- Understanding Execution Modes
- Process Modes - Low Latency, General, Bridges
- General usage considerations
- Detailed comparison
- Setting the Process Mode
- Low latency processes

Module 10: Atom Messaging Queue

- Queue Components
- Shared Queue Server
- Atom Queue Connector
- Message Queue Management

Module 11: Event Streaming

- An Overview of Event-Driven Architecture
- Boomi's Event-Driven Solutions
- What is the Event Stream Service
- Creating a Producer Process
- Creating an Exclusive Consumer Process
- Creating Shared Consumer Processes

Module 12: Integration Using REST and API Management

- Rest
- Activity: Configure the HTTP Connector
- Configure and Test the REST Activity
- Activity: Configure and test the process
- API Management Overview
- API Service Component

- API Proxy Component
- Atoms, Environments, and Gateways
- Authentication
- Plans, Applications, and Subscriptions
- The Developer Portal
- Troubleshooting