

KOENIG SOLUTIONS • COURSE OUTLINE

Dell Boomi Integration Advanced

Learn to build, test, deploy and manage integration processes on the Dell Boomi AtomSphere Platform, including advanced shapes, queues and REST APIs.

12

MODULES

63

TOPICS

22

HANDS-ON ACTIVITIES

COURSE OVERVIEW

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.

WHO THIS COURSE IS FOR

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.

PREREQUISITES

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.

What You Will Learn

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 SYLLABUS

12 Modules, 63 Topics

01

Introduction to AtomSphere Platform

TOPICS

- 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

02

2 Try-Its

Getting Started with Integration

TOPICS

Introduction to Integration · Creating Folders in Integration · Install a Process from the Process Library · **Integration Essentials:** Business Use Case

03

3 Try-Its

Understanding Atom Clouds

TOPICS

Defining the Atom Cloud · Understanding Environments · Defining an Environment

04**3 Try-Its**

Working with Shapes

TOPICS

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

05**2 Try-Its**

Running a Process in Test Mode

TOPICS

Defining Test Mode · Defining Documents and Understanding Flow · Defining Documents · Working with Profiles

06**6 Try-Its**

Understanding the Map Shape

TOPICS

Defining the Map Shape · Understanding Mapping · Setting a Default Value

07**4 Try-Its**

Understanding Deployment

TOPICS

Understanding Deployment · The Deployment Workflow · Defining Packaged Components · Defining Deployment · Understanding Process Reporting · Understanding Undeploying

08

Advanced Shapes

TOPICS

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

09

Execution Modes

TOPICS

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

10

Atom Messaging Queue

TOPICS

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

11

Event Streaming

TOPICS

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

Integration Using REST and API Management

TOPICS

- Rest
- Configure and Test the REST Activity
- API Management Overview
- API Service Component
- API Proxy Component
- Atoms, Environments, and Gateways
- Authentication
- Plans, Applications, and Subscriptions
- The Developer Portal
- Troubleshooting

HANDS-ON ACTIVITIES

Practise What You Learn

#	MODULE	ACTIVITY
02	Getting Started with Integration	TRY-IT ■ Create Your Folders ■ Install a Process from the Process Library
03	Understanding Atom Clouds	TRY-IT ■ Setting up the Atom and Test Atom Clouds ■ Creating Environments ■ Attaching the Clouds to Environments
04	Working with Shapes	TRY-IT ■ Configuring the FTP V2 Connector ■ Creating the Disk V2 Connector ■ Creating the Set Properties Shape
05	Running a Process in Test Mode	TRY-IT ■ Testing the Process ■ Creating an XML Profile
06	Understanding the Map Shape	TRY-IT ■ Create a Map Shape ■ Choose an Existing XML Profile ■ Manually Create a Flat File Profile ■ Map the fields ■ Set a Default Value ■ Complete the Process
07	Understanding Deployment	TRY-IT ■ Package a Process ■ Deploy Your Process ■ Manually executing a process ■ Undeploying a Process

#	MODULE	ACTIVITY
12	Integration Using REST and API Management	ACTIVITY ■ Configure the HTTP Connector ■ Configure and test the process

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

Visit koenig-solutions.com

✉ info@koenig-solutions.com