KOENIG SOLUTIONS · COURSE OUTLINE

Anypoint Platform Operations: Customer-Hosted Runtimes

Learn to install, deploy, manage, monitor and scale customer-hosted Mule runtimes and applications using Anypoint Runtime Manager.

2 Days	10	36
DURATION	MODULES	TOPICS

2 days in-person or online

COURSE OVERVIEW

This instructor-led course is for all operations and administration personnel, developers, and architects who want to get hands-on experience managing and monitoring customer-hosted Mule runtimes and applications (on-prem or in a private cloud) with Anypoint Runtime Manager (whether Runtime Manager is MuleSoft-hosted in the cloud or customer-hosted using Anypoint Platform Private Cloud Edition). Note: This course is for both Mule 3 and Mule 4.

WHO THIS COURSE IS FOR

- **Operations Personnel**
- **System Administrators**
- **Developers**
- **Architects**

PREREQUISITES

- A knowledge of system administration and server commands
- A basic understanding of data formats such as XML, CSV, and JSON
- A basic understanding of typical integration technologies such as HTTP, JMS, JDBC, REST, and SOAP

LEARNING OBJECTIVES

At the end of this course, students should be able to:

- Describe the Mule runtime architecture
- Install, configure, run, tune, and scale Mule runtimes
- Deploy Mule applications to Mule runtimes
- Use Anypoint Runtime Manager to manage, monitor, and analyze Mule runtimes and Mule applications
- Scale and tune Mule runtimes and Mule applications
- Automate administration tasks

COURSE SYLLABUS

10 Modules, 36 Topics

PART 1 Administering Mule Runtimes and Mule Applications

01

Introducing Customer-Hosted Mule Runtimes

TOPICS

- Describe typical Mule deployment architectures and solutions
- Identify infrastructure options to host Mule runtimes
- Install and start Mule runtimes
- Deploy Mule applications to Mule runtimes

02

Managing Mule Applications and Mule Domain Projects

TOPICS

- Inspect and manage deployed Mule applications
- Deploy Mule domain projects to Mule runtimes
- Deploy and manage multiple Mule applications in the same shared Mule domain

03

Managing and Monitoring Mule Runtimes

TOPICS

- Configure and manage Mule runtimes and licenses
- Locate and interpret Mule runtime log files
- Monitor Mule runtimes with JMX
- Create secure Mule runtime administration connections

04

Tuning and Troubleshooting Mule Runtimes

TOPICS

Debug Mule applications · Tune the JVM for Mule runtimes · Dump a Mule runtime's heap memory and threads

PART 2 Administering with Anypoint Runtime Manager

05

Managing Users and Resources

TOPICS

- Organize users and resources with business groups and environments
- Administer Anypoint Platform users
- Create and manage Anypoint Platform roles

06

Managing Mule Runtimes and Mule Applications

TOPICS

- Register customer-hosted Mule runtimes with Anypoint Runtime Manager using Runtime Manager Agent
- Deploy Mule applications to customer-hosted Mule runtimes using Runtime Manager
- Manage Mule applications with Runtime Manager
- Align servers and server groups with SDLC environments

07

Configuring Mule Applications

TOPICS

- Configure a Mule application for deployment
- Configure a Mule runtime to use external properties files
- Use properties files with encrypted values
- Configure environment specific properties files

08

Monitoring and Analyzing Mule Runtimes and Mule Applications

TOPICS

- View Mule runtime and Mule application dashboards
- Configure alerts for Mule runtimes and Mule applications
- Control Mule application flows
- Monitor and analyze Mule application generated business events
- Configure 3rd party monitoring and analysis plugins

09

Meeting Performance and Reliability Goals

TOPICS

- Distinguish between Mule application performance tuning and scaling goals, options, and solution architectures
- Create and manage Mule runtime clusters
- Deploy Mule applications to Mule runtime clusters
- Test load balancing and failover behavior of applications deployed to Mule runtime clusters

10

Automating Administration Tasks

TOPICS

- Automate admin tasks with the Anypoint CLI tool
- Automate admin tasks with Anypoint Platform REST APIs

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.

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Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

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