

Application Development on Oracle Cloud Ed 2

Learn how to simplify and streamline the application development process by implementing Oracle Cloud Platform Services. Oracle Application Development cloud solutions provide a comprehensive suite of products and services for simplified development and rapid deployment resulting in a more agile development life cycle. The course focuses on using Java Cloud, Developer Cloud and Application Container Cloud.

Learn To

This Application Development on Oracle Cloud training teaches you how to leverage Oracle Java Cloud Service, Developer Cloud Service, and Application Container Cloud Service for application development and deployment. Expert Oracle University instructors will show you how to use Oracle Cloud services for fast, effective application development, testing, and deployment.

Learn How To:

- Deploy your application to the Application Container Cloud
- Build and deploy enterprise Java applications using Java Cloud Service
- Leverage full development lifecycle support offered by Developer Cloud Service
- Develop a greater overall understanding of the PaaS services for application development.

Benefits to You

By taking this course and deep diving into comprehensive set of services, tool kits, and development frameworks you will hone your skills across technologies so you can deliver nearly any type of application within the desired time frame.

Explore Oracle Application Container Cloud Service

Furthermore, this course will teach you about the choice and flexibility you have to accelerate application development and deployment. Oracle Application Container Cloud Service comes with an enhanced development framework for polyglot development. It includes Oracle Java SE Cloud Service and Oracle Node Cloud Service. Learn more about how it provides a lightweight infrastructure so you can run Java SE and Node.js applications in the Oracle Cloud.

Integration with Oracle Developer Cloud Service and Java Cloud Service

Java Cloud Service is completely integrated with Oracle Developer Cloud Service; this further strengthens its value by providing an integrated enterprise Java development tool set. Oracle Developer Cloud offers full development life cycle support, along with an open-source, standards-based solution to develop, collaborate, and deploy applications within Oracle Cloud.

Prerequisites

Required Prerequisite

- Java SE 8 Programming Ed 1

Audience

- Cloud Application Developer

Course Objectives

- Learn to build and deploy enterprise Java applications using Java Cloud Service
- Leverage full development lifecycle support offered by Developer Cloud Service
- Deploy your application to Application Container Cloud
- Prepare your Java SE and Node applications for Cloud deployment
- Get an overview of the PaaS services for application development

Course Topics

Introducing Oracle Cloud Services

- Components of Cloud Computing
- Overview of IaaS, SaaS and PaaS
- Introducing Application Development Cloud Services

Creating a Database Cloud Service

- Oracle Database Cloud Service Console
- Creating a Database Cloud Service
- Accessing the Database Monitor
- Connecting to Remote Cloud Database

Oracle Application Container Cloud Service

- Application Container Cloud Architecture
- Preparing and Packaging Java Application
- Preparing and Packaging Node Application
- Preparing and Packaging PHP Application
- Deploying Applications to Application Container

Java Cloud Service

- Creating a Java Cloud Service Instance
- Launching WebLogic Server Console
- Java Cloud Service VM: Connecting via SSH
- Java Cloud Service: Using WLST on VM
- Creating a Datasource with Fusion Middleware Control

Developer Cloud Service Essentials

- Developer Cloud Service Features and Components
- Creating a New Project
- Project: Maven Repositories
- Create a Hudson Job
- Deploying to the Java Cloud Service

Supporting IDE Tools

- JDeveloper IDE
- JDeveloper as Part of a Hudson Build
- Netbeans IDE
- Cloning a NetBeans Project from Remote Git
- Oracle Enterprise Pack for Eclipse
- Importing a Project into Eclipse from Cloud

Git, Maven, Build, Deploy

- Version Management
- Creating a Git Repository in Developer Cloud Service
- About Maven Repository
- About Hudson Job
- Creating a Deployment in Developer Cloud Service
- Deploying to the Java Cloud Service
- Implementing Continuous Deployment

Issues, Merge Requests, Agile Support

- Issue Tracking in Oracle Developer Cloud Service
- Merge Request Conversation and Commit
- Agile Support in Oracle Developer Cloud Service
- Customizing an Agile Board
- Agile Methodology: Sprint
- Configuring a Board

Cloud Services REST API

- Working with the REST API
- Using cURL
- Oracle API Catalog: Searching for the REST API
- Database Cloud Service REST Endpoint and UI
- Java Cloud Service REST Endpoint and UI
- Deploying to an Oracle Application Container Using the REST API

Wikis, Snippets, Administration

- Wiki: New Pages, Hierarchy
- Wiki Versioning
- About Snippets
- Administration: Project Properties
- Issue Tracking: Tags
- Administration: Repository
- Administration: WebHook