Oracle Fusion Middleware (FMW) Cloud Technical Workshop

Experience Oracle's FMW Cloud Platform as a Service (PaaS) Solutions with hands-on labs and demonstrations

During this workshop you will start with an Overview of Oracle's Fusion Middleware Infrastructure and Platform Services. You'll learn about Public Cloud offerings such as the Oracle's Java Cloud Service, Storage Service, Developer Service and integration with a Database Service. You will experience the steps necessary to create Java, Storage, Developer and Database Services.

As part of the workshop labs you will check out a Java application from the Developer Service, and load that application into your local JDeveloper IDE. Once you have built your application, you will experience the ease in deploying an application into the Java Cloud and connecting an application to the Database Cloud Service. You will learn how to load external libraries into the Java Cloud Servers before running and testing your application in the Cloud.

During the workshop you'll also learn various Cloud Operational tasks, such as backing up and restoring your Java Cloud Service, along with Scaling up and down the Servers within the Cloud Platform.

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- Overview of Cloud Service and Public Cloud options
- Create and Explore the Java Cloud Services

PM

- Develop and Deploy and Application to the Java Cloud Service
- Perform Operational Cloud Capabilities on the Cloud Services

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Oracle FMW Cloud Technical Workshop
Detailed Agenda

Audience:

- Targeted toward Java Developers and Testers

Prerequisites:

- Some understanding of Oracle products including JDeveloper or Eclipse
- Basic understanding of Unix/Linux commands
- Unrestricted network connectivity and student machines capable of running Virtual Box (See "Cloud Workshop Network and Hardware Requirements" document for details)

Course Topics:

Overview of Oracle Fusion Middleware Infrastructure & Platform Services in the Public Cloud

Create and Explore Java Cloud Services

- Investigate all Platform Services associated with the Java Cloud Service
- Create a Java Cloud Service
- Explore Weblogic in the Java Cloud using Enterprise Manager Weblogic Console
- Investigate the Load Balancer using its associated Console
- Connect into the Virtual Image environment on which the Service operates.

Develop and Deploy Application to Java Cloud Service

- Connect SQL Developer to the Database Cloud Service
- Connect JDeveloper (or Eclipse) to the Java Cloud Service
- Explore the Developer Cloud Service Team Development Capabilities
- Checkout Source Code from the Developer Cloud Service into local Development Environment
- Modify the Source Code and check that code back into the Developer Cloud Service
- Build and Deploy a Java Application into the Java Cloud Service
- Run and Test the Deployed Java Application

Perform Operational Cloud Tasks

- Backup the Java Cloud Service Environment
- Restore the Java Cloud Service using the Backup
- Scale up the Java Cloud Service using the Integrate Cloud UI
- Scale down the Java Cloud Service programmatically using the REST API