Oracle Enterprise Manager Cloud Control 12c: Cloud Management Workshop

Introduction

- What is Cloud Computing?
- Private versus Public Clouds
- Why implement a Private Cloud?
- How does Oracle Enterprise Manager Cloud Control implement a Private Cloud?
- Three Clouds
- The Cloud Management Lifecycle

Cloud for self-service users

- Define a self-service user in the context of IaaS and DBaaS clouds
- The IaaS Self Service users' view of the cloud
- The DBaaS Self Service users' view of the cloud
- Outline of remaining lessons

Common building blocks

- Create Cloud Administrators
- Create Cloud Self Service Users
- Software Library
- Self Update
- Customise the Self Service Portal login page
- Chargeback

Implementing IaaS

- The relationship between IaaS and OVM
- What happens when an IaaS Self Service user requests a server
- Registering OVM Manager
- Discovering OVM Servers
- Setting up OVM Storage Pools and a OVM Storage Repository
- Configuring OVM Networks
- Creating OVM Server Pools

- Creating OVM Zones

Setting up the IaaS Self Service Portal

- How to setup the IaaS self service portal
- Defining machine sizes
- Defining request settings
- Defining quotas against roles
- Defining software components

PaaS Fundamentals

- PaaS Infrastructure Zone
- PaaS Pool
- Privilege Delegation
- Provisioning Credentials

Implementing DBaaS

- Setting Up the DBaaS Infrastructure
- Provisioning Oracle DB Homes
- How DBaaS Pools Use Oracle Database Homes
- Creating DBaaS Pools

Setting up the DBaaS Self Service Portal

- How to setup the DBaaS Self Service Portal
- Defining request settings
- Defining quotas
- Creating DB provisioning procedures
- Defining service templates

Implementing MWaaS

- Setting Up the MWaaS Infrastructure
- Provisioning Oracle MW Homes
- How MWaaS Pools Use Oracle Middleware Homes
- Creating MWaaS Pools

Setting up the MWaaS Self Service Portal

- How to setup the MWaaS Self Service Portal
- Defining request settings
- Defining quotas
- Creating MW provisioning procedures
- Defining service templates

Chargeback - making users pay to use your clouds

- What you can charge for
- Universal versus Extended chargeback plans
- Assigning plans to IaaS and DBaaS targets
- Assigning charges to cost centers
- Assigning cost centers to IaaS and DBaaS targets
- Reporting on chargeback

Consolidation Planner

- Optimizing the use of and realising the value of your IT Infrastructure
- The IT Infrastructure Consolidation Roadmap
- Consolidation Planner projects
- Examining and interpreting project metric collections
- Consolidation Planner project scenarios
- Examining and interpreting project scenario findings

Cloud Deployment Models

- Cloud service models
- Cloud service models - use cases
- Cloud service models - what can go where
- The cloud-type formula
- Hybrid cloud use case
- Private before Public
- Commercial models - PAYG
- Commercial models - Utility vs Subscription