and more!

Continuous delivery of Java applications using Oracle Cloud Platform Services

Marek Kratky
Principal Sales Consultant | Oracle Cloud Platform

October, 2016

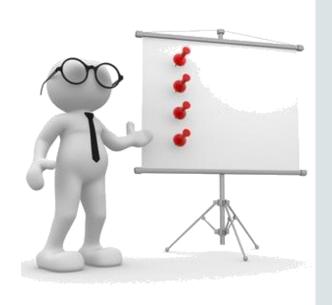


### Safe Harbor Statement

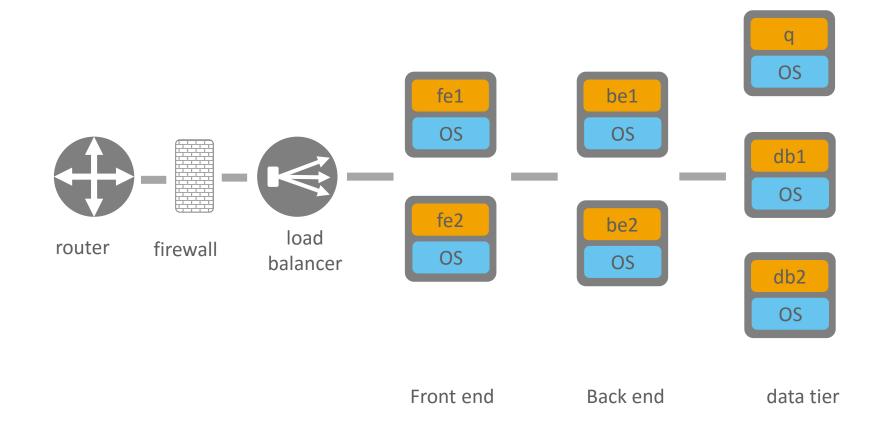
The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

### Agenda

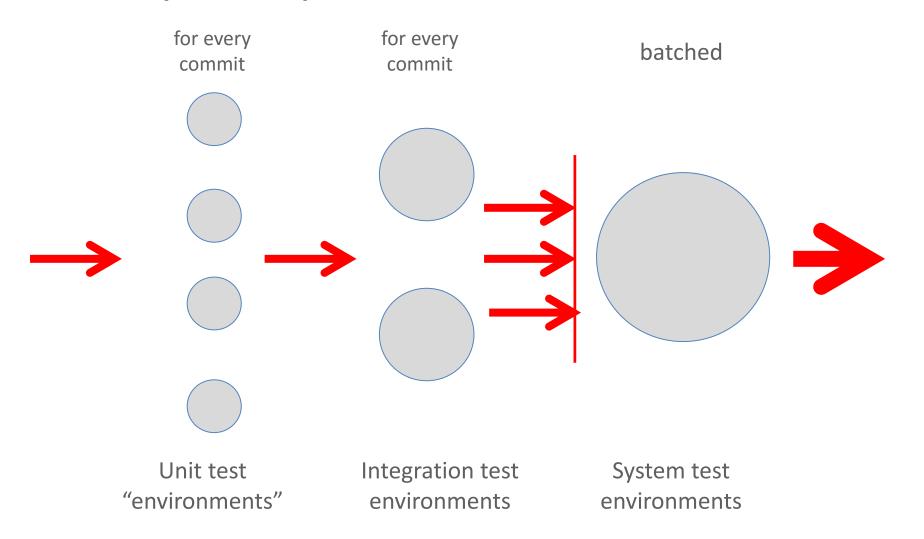
- How customers manage their application environments?
- How can Oracle PaaS for Application Development help?
- Demo Application Container Cloud Service and integration with Developer Cloud Service
- Beyond Application Container



# A simple application



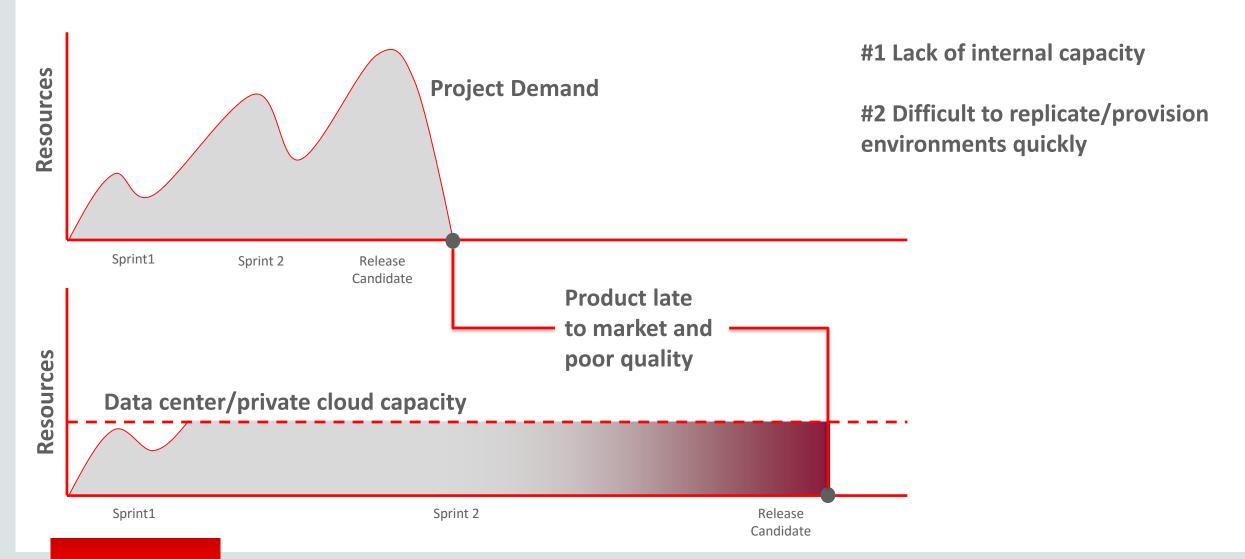
# A simple development process



How much capacity do you need to **optimally** develop and test your application?

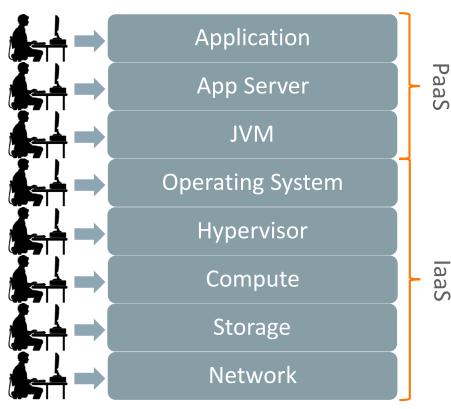


## On-premise dev & test issues has impact on Time To Market



## PaaS / IaaS Now Allows Resources to be Easily Provisioned

Past: Ops manually provisioned each layer



Today: Developers can provision entire stacks of hardware + software through REST API



# Automation – key enabler



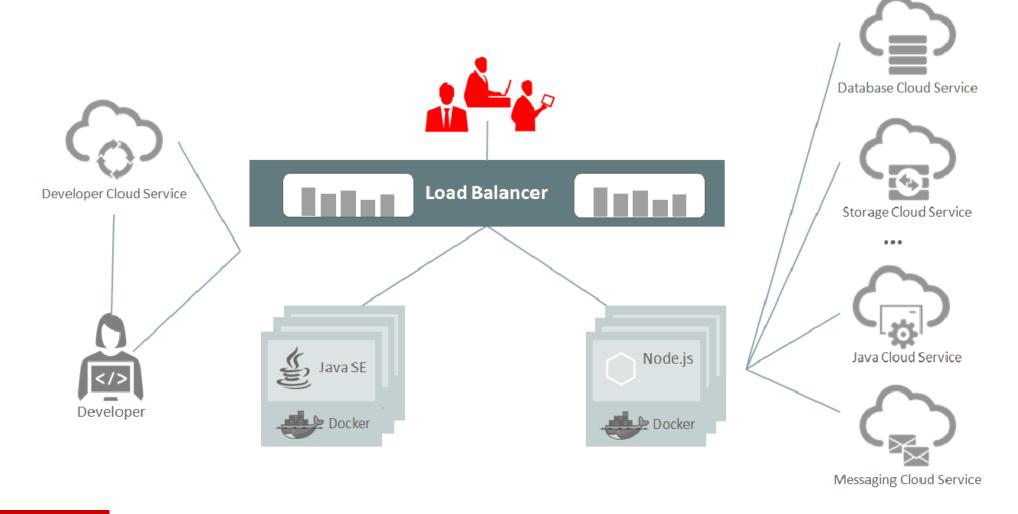


### Oracle Application Development & Deployment Benefits

Instant setup
Complete automation
Multiple Programming Languages
Continuous Delivery
Any workload with laaS

### Oracle Application Container Cloud Service

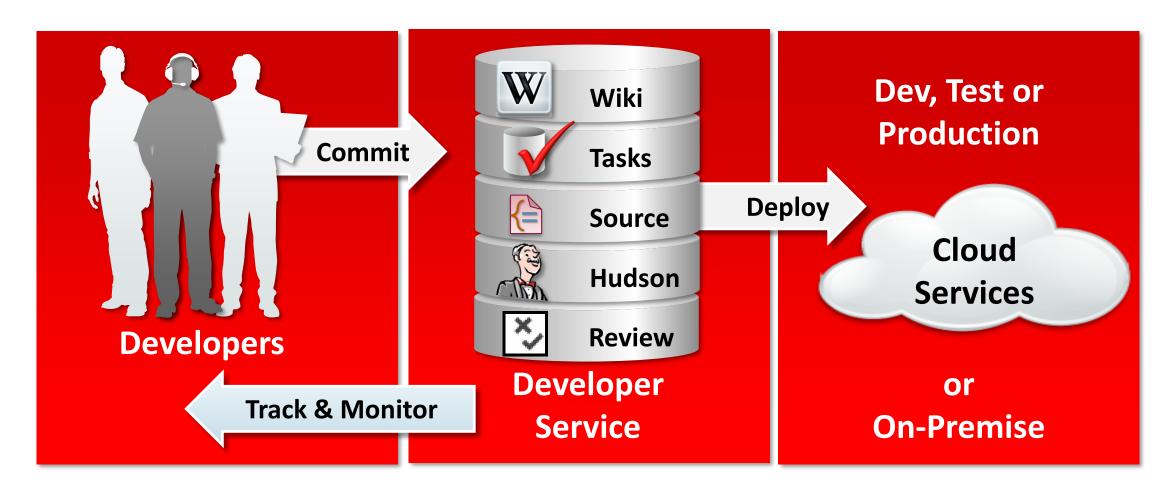
A modern platform for lightweight application development





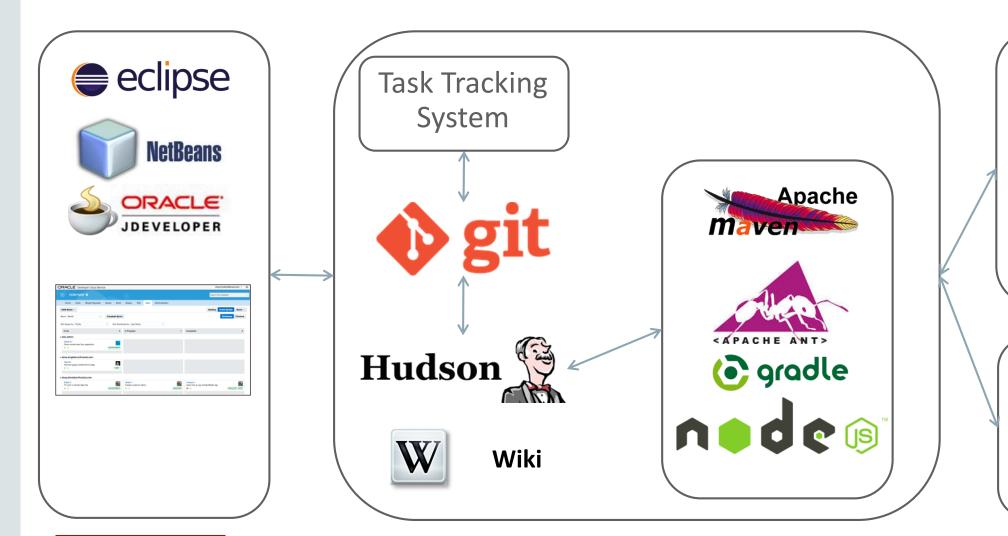
## Oracle Developer Cloud Service

Bringing It All Together





## Oracle Developer Cloud Service



**Oracle Cloud** 

JCS

JCS-SX

SOA

ACC

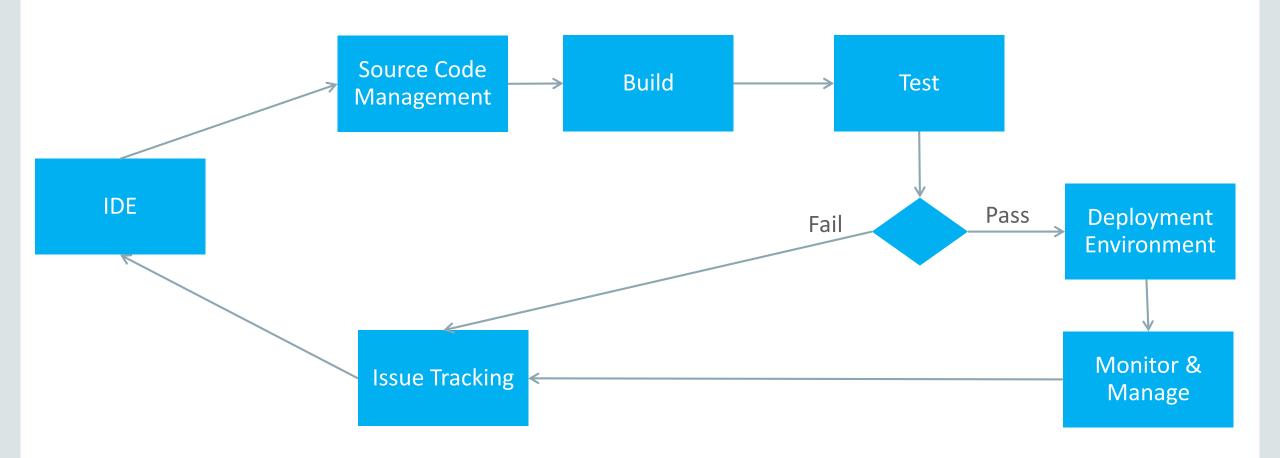
MCS

Management Cloud

On Premise
WebLogic
Others

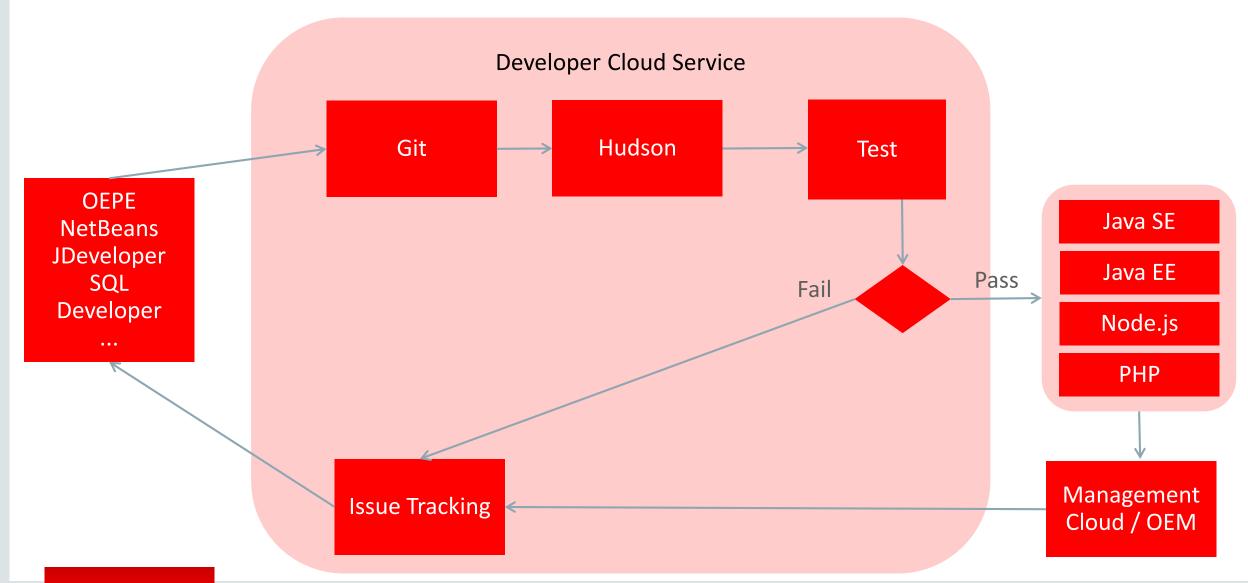


# Continuous Integration/Delivery Pipeline

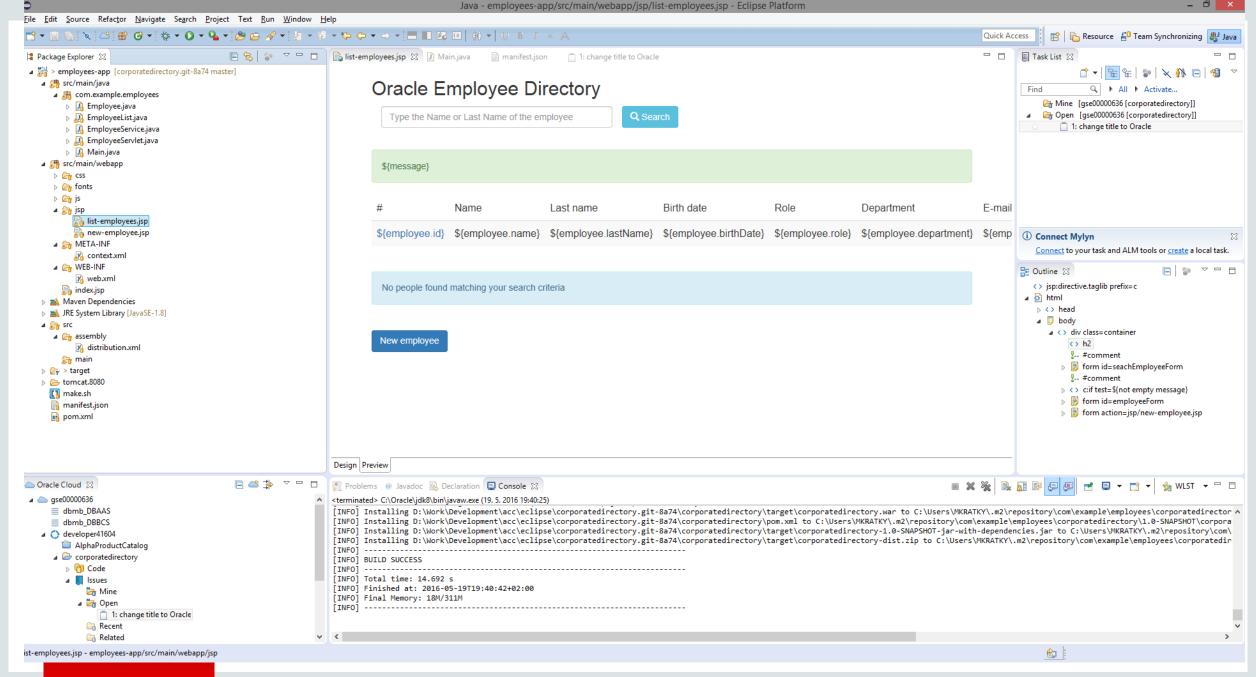


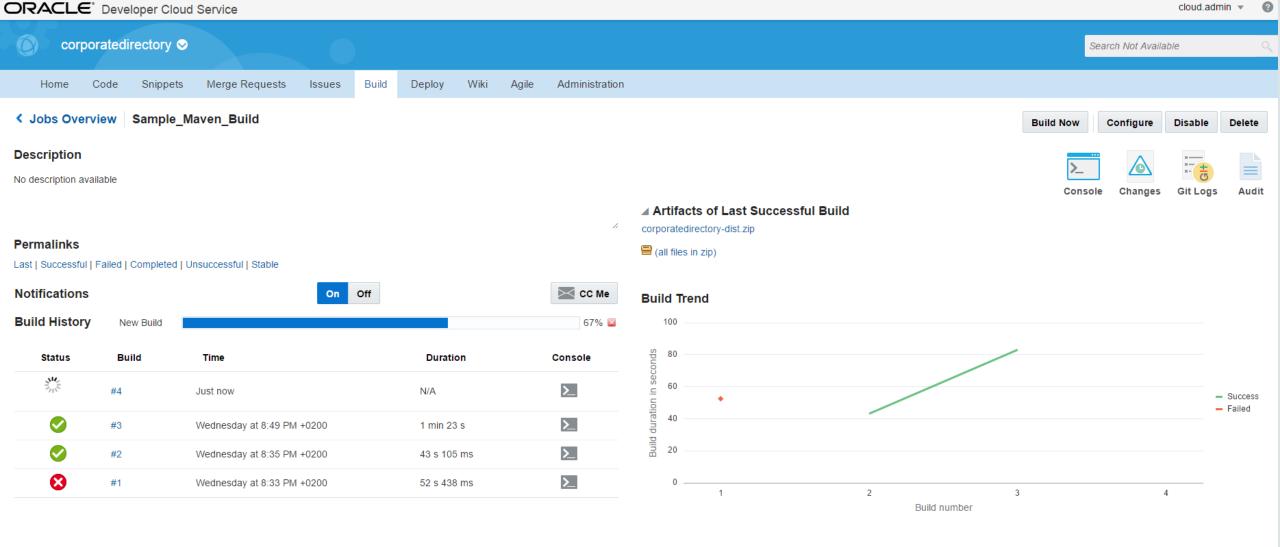


# Continuous Integration/Delivery Pipeline









**Test Result Trend** 





Applications

<u>C</u>reate Application

You curently don't have any application created.

Use Create Application button to create your first application.Learn More...

#### Need help creating an application?

- Watch a video
- Step through a tutorial



No attempts to create or delete application.



# ORACLE® Developer Cloud Service Corporatedirectory ♥

Agile

Administration

Wiki

Deployments

Home



Deploy to ACCS gse00000636

Snippets

Configuration ( corporatedirectory

Job / Build Sample\_Maven\_Build / Latest Successful Build

Merge Requests

Build

Issues

Deploy

Artifact corporatedirectory/target/corporatedirectory-dist.zip

Last deployment succeeded -- Just now.

Code

#### corporatedirectory: History

✓ Deployment Succeeded

Sample\_Maven\_Build / 4 / corporatedirectory/target/corporatedirectory-dist.zip

Logs dcs\_undeploy, dcs\_deploy

Just now

✓ Deployment Succeeded

Sample\_Maven\_Build / 3 / corporatedirectory/target/corporatedirectory-dist.zip

Logs dcs\_undeploy, dcs\_deploy

Wednesday at 8:50 PM +0200

Update Succeeded

Sample\_Maven\_Build / 2 / corporatedirectory/target/corporatedirectory-dist.zip

Wednesday at 8:49 PM +0200 by Cloud Admin User

✓ Deployment Succeeded

Sample\_Maven\_Build / 2 / corporatedirectory/target/corporatedirectory-dist.zip

Logs dcs\_deploy

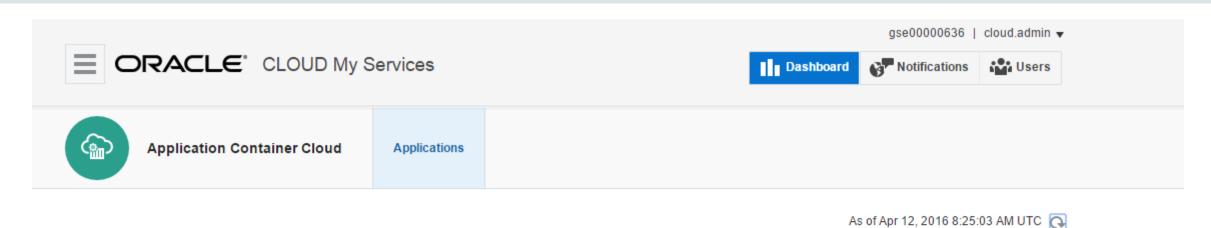
Wednesday at 8:40 PM +0200 by Cloud Admin User

Create Succeeded

Sample\_Maven\_Build / 2 / corporatedirectory/target/corporatedirectory-dist.zip

Wednesday at 8:39 PM +0200 by Cloud Admin User





Submitted On: Apr 12, 2016 8:24:17 AM UTC

#### **Applications**

Search by application name

Create Application

#### corporatedirectory



Creating Application...

Version: 1.2.3

Java SE: 1.8.0\_71-b15

URL: https://corporatedirectory-gse00000636.apaas.em2.oraclecloud.com

Memory: 1GB

Instances: 1

▶ Application creation and deletion history





Search by application name

**Create Application** 



**Applications** 

corporatedirectory

Deploying Release...

Version: 1.2.3 Java SE: 1.8.0\_71-b15

URL: https://corporatedirectory-gse00000636.apaas.em2.oraclecloud.com

Last Deployed On: May 19, 2016 5:31:23 PM UTC Created On: Apr 12, 2016 9:33:34 AM UTC Memory: 1GB Instances: 1

▶ Application creation and deletion history











#### **Application Container Cloud**

Applications

As of Apr 12, 2016 8:26:00 AM UTC (



#### **Applications**

Search by application name

**Create Application** 

 $\equiv$ 



#### corporatedirectory

Version: 1.2.3

Java SE: 1.8.0\_71-b15

URL: https://corporatedirectory-gse00000636.apaas.em2.oraclecloud.com

Memory: 1GB

Instances: 1

Application creation and deletion history



Created On: Apr 12, 2016 8:24:17 AM UTC

### JavaCro16 Employee Directory

Type the Name or Last Name of the employee



#	Name	Last name	Birth date	Role	Department	E-mail	
101	John	Smith	12-12-1980	Manager	Sales	john.smith@abc.com	
102	Laura	Adams	02-11-1979	Manager	IT	laura.adams@abc.com	
103	Peter	Williams	22-10-1966	Coordinator	HR	peter.williams@abc.com	
104	Joana	Sanders	11-11-1976	Manager	Marketing	joana.sanders@abc.com	
105	John	Drake	18-08-1988	Coordinator	Finance	john.drake@abc.com	
106	Samuel	Williams	22-03-1985	Coordinator	Finance	samuel.williams@abc.com	

New employee









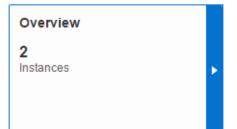




#### Applications / corporatedirectory

URL: https://corporatedirectory-gse00000636.apaas.em2.oraclecloud.com





#### Deployments

Service Bindings

User-defined Variables

#### Administration

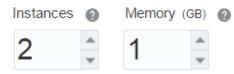
Updates Available

#### Logs & Recordings

Logs

Recordings

#### Resources



#### Instances

#### Activity

#### Additional Information

Last Deployed On: Apr 6, 2016 6:54:54 PM UTC

Current Version: 1.2.3

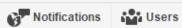
Runtime: Java SE 8u71 Runtime Version: 1.8.0\_71-b15

Created On: Apr 6, 2016 6:54:54 PM UTC

Subscription Type: MONTHLY **Identity Domain:** gse00000636







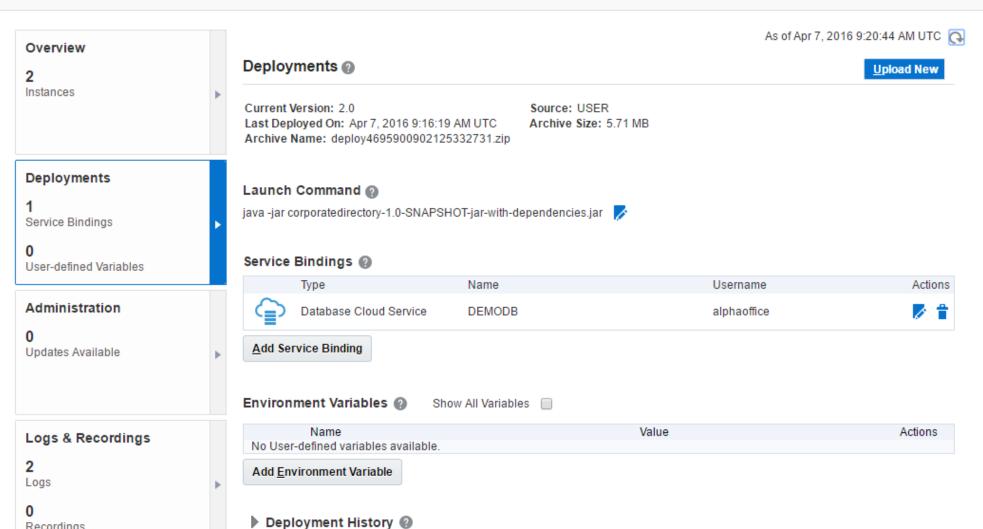


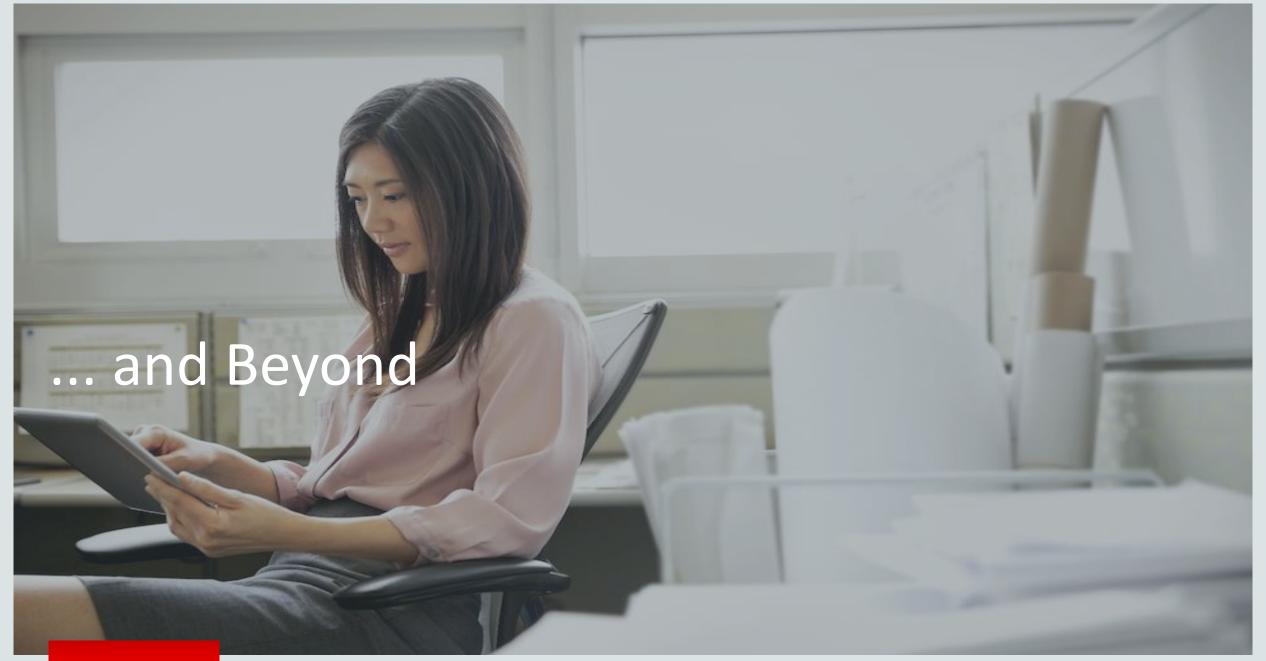


Recordings

#### Applications / corporatedirectory

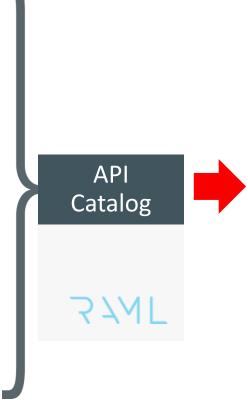
URL: https://corporatedirectory-gse00000636.apaas.em2.oraclecloud.com





### **Mobile Cloud Service**





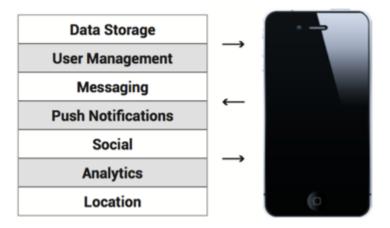




### API Platform Cloud Service and Mobile

- API Platform CS
  - API Platform is for the owners of the underlying backend IT systems to expose APIs for many uses cases (not mobile specific but mobile included)
  - Specific application and audience: IT,
     Architects, Business for monetization
  - Multiple uses across scenarios
  - Multiple deployment models: API Platform CS will also live in the customers' own DMZ and also available on Amazon (gateway in Amazon, management is in our cloud)
  - Future: monetization

- MCS
  - Specific application and audience:
     Mobile App Developers
  - Example of mBaaS:



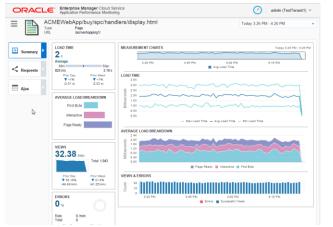
# **Management Cloud Services**

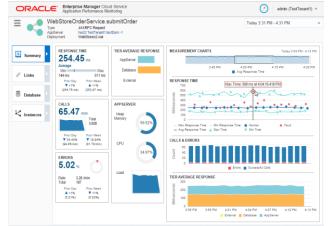














Performance Monitoring

I/T Analytics

Log Analytics

**Common Management Platform** 

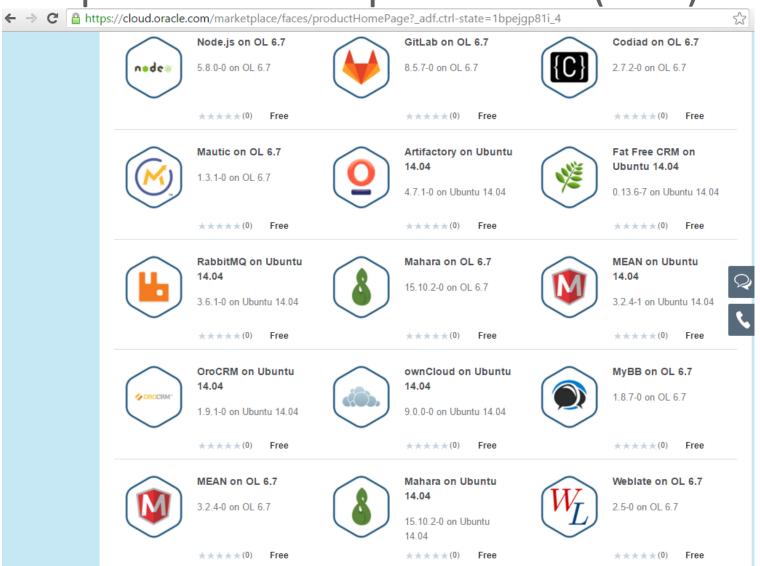


## What if you use Open Source?

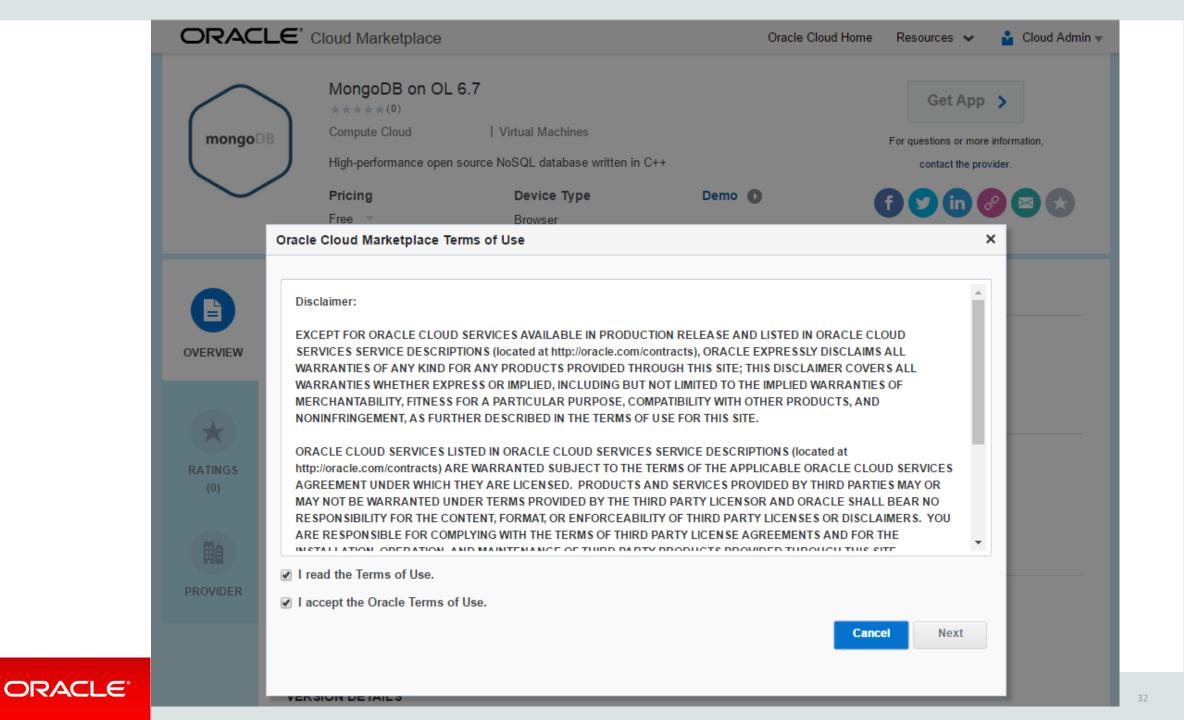




## Cloud Marketplace and Compute Cloud (IaaS)

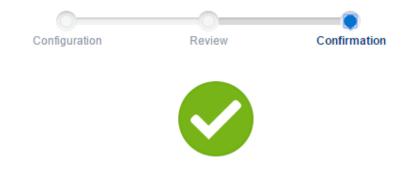






Tomcat on OEL 6.7 (Version: Version 7.0.65-0 on OEL 6.7)

Compute Cloud

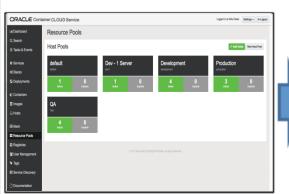


The Tomcat on OEL 6.7 app for creating virtual machine (VM) instances is now available in your Compute account.

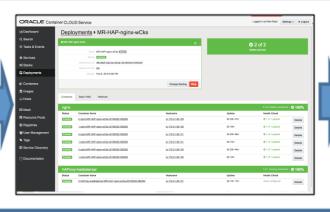
To create a VM instance, start the Compute Console.

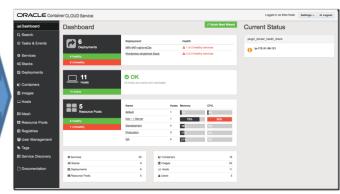
Start Compute Console

### **Container Cloud Service**









### Configuration Management

- Create Instances as Needed
- Define Resource Pools
- Add Private Registries

# Application Deployment

- Edit Create New Services
- Compose Application Stacks
- Deploy Stacks with 1 Click

# Container Orchestration

- Automated Deployment
  - Multi-Host, Easy Scale Out
  - Built in Service Discovery

# Operations Management

- Integrated Health Checks
- Unified Dashboard
- Monitoring and Auditing



### Transformational Technologies – Where YOU Want Them

### **On-Premises**

Traditional Infrastructure



- Customer Data Center
- Purchased
- Customer Managed

### Cloud@Customer

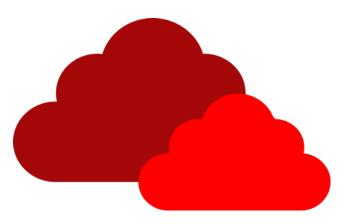
**Cloud Machines** 



- Customer Data Center
- Subscription
- Oracle Managed

### **Public Cloud**

laaS, SaaS, PaaS



- Oracle Cloud
- Subscription
- Oracle Managed





### For More Information











cloud.oracle.com/acc cloud.oracle.com/java cloud.oracle.com/developer\_service



# Integrated Cloud

Applications & Platform Services