

SOA Cloud Service

Accelerate your Integration Platform

Scott Haaland @SOAScott
Product Strategy Director
iPaaS Product Management

Matt Wright
CTO
Rubicon Red



September 18–22, 2016
San Francisco

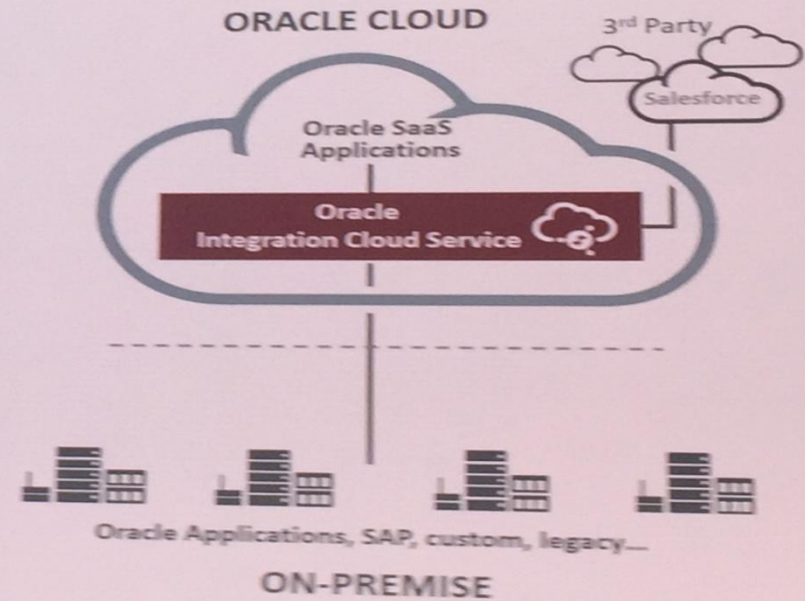
ORACLE®

RUBICON X RED

Integration Cloud Service

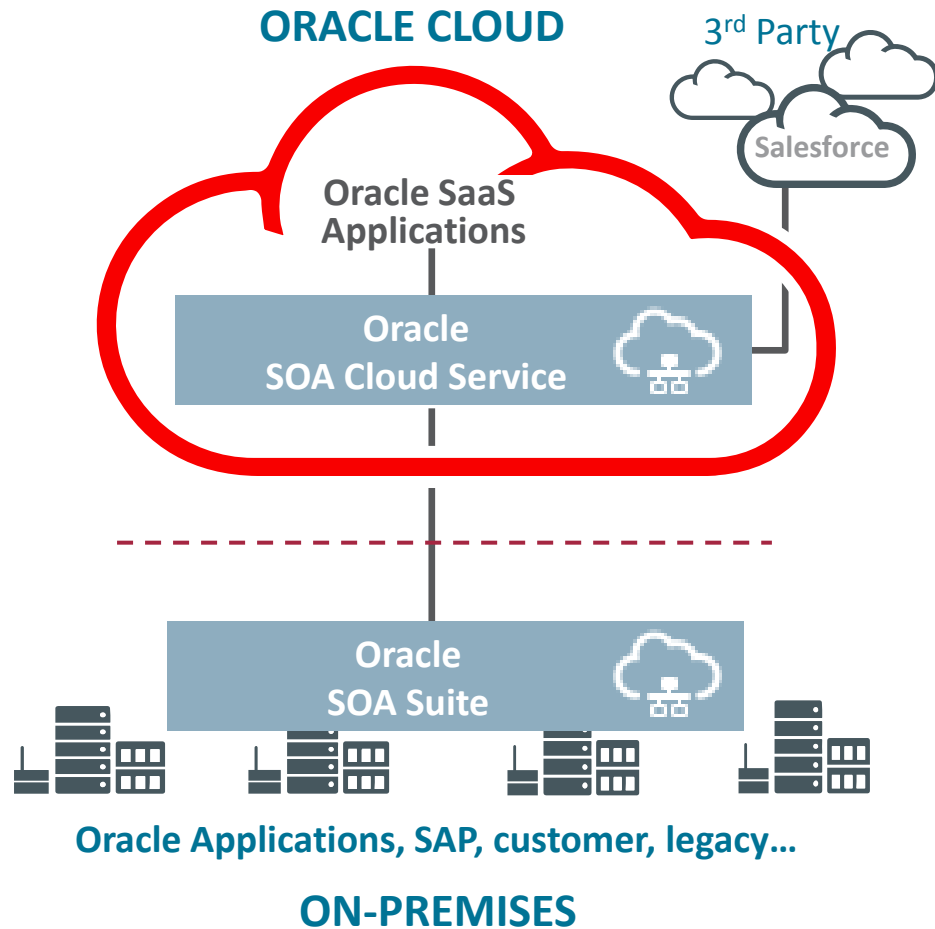
Quickly Integrate Cloud-to-Cloud and Cloud to On-Premise Applications

- Visual orchestration design in minutes
- Marketplace of pre-built integrations
 - 50+ adapters for Oracle & 3rd party applications (Oracle Sales Cloud, Netsuite, Salesforce.com, Ariba, Concur, SAP... etc.)
- Self-service recipe-style integration
 - Business user self-service

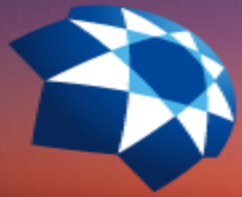


Oracle SOA Cloud Service

The Platform for Innovation and Speed



- **What it does:**
 - SOA Suite 12c in the Cloud
- **Key Features**
 - **Complete** – Orchestration, Application Integration, API Management, Virtualization, B2B, MFT, connectivity, Real Time Business Insight
 - **Full portability** – Identical components to Oracle SOA Suite for faster deployment portability
 - **Access** – Complete access to product surface area
 - **Single Click Management Tools** – Backup, Scale Out/Up
- **Benefits**
 - Rapid and fully automated provisioning
 - Secure, Highly Available with Clustering
 - Developers focus on innovation
 - Build anywhere, deploy anywhere



Dubai
Airports

World Class Employee Performance Management for a World Class Airport

- Vision to be world's leading airport company
- Maximize staff performance and development
- Used SOA Cloud Service connect HCM to DBCS with ERP and Taleo planned for employee services delivery
- Used Mobile Cloud Service to deliver Mobile HR, Talent and development on the move.

16 weeks

To reach go live

Mobile in 3 weeks

Planned after first core release



Fusion HCM Integration with local Payroll systems

- Integrated Human Resources world wide with 40 different local payroll systems
- Automated aggregation, transformation and integration of the data across all systems
- One single source of truth always available for reporting (was taking 2 weeks every months before to stabilize the data)
- Oracle Java Cloud Service , Data Quality and SOA Cloud Service

10x

FTE reduction to manage this integration (from 5 to ½) with no risk of Human errors through automation

1

Single source of truth with up-to-date HR data



Roadmap

SOA Cloud Service – Roadmap

CY16

SOA Cloud Service (GA)

- GA with 7 Service types on 2 versions
- 12.1.3 and 12.2.1 :
 - SOA
 - Service Bus
 - SOA + Service Bus
 - API Manager
 - SOA + B2B
 - MFT
 - Integration Analytics

CY17

SOA Cloud Service (all Service Types) :

- Oracle Cloud Machine
- SOA 12.2.1 Multi Node
- VPN Certification
- Single click patching
- Lift-n-Shift from 11g or 12c to SOACS (SOA only for first phase)

SOA/SB Adapters:

- ERP Cloud, HCM
- Cloud Adapters: Concur, Ariba, ServiceNow, SuccessFactors, ...

MFT Cloud Service :

- Document Service Integration
- SSH/PGP Key generation
- Scheduled and Manual Purge

Integration Analytics Cloud Service :

- ICS Integration with Insight
- Stream Analytics
- BAM

Backlog

SOA Cloud Service:

- Disaster Recovery – Replication/DNS Failover
- Elastic Scale Out / Scale in

Use Cases

Design Patterns

Oracle SOA Cloud Service: Key Use Cases for Apps

Use Cases

1. HCM Integration or Fusion ERP Integration

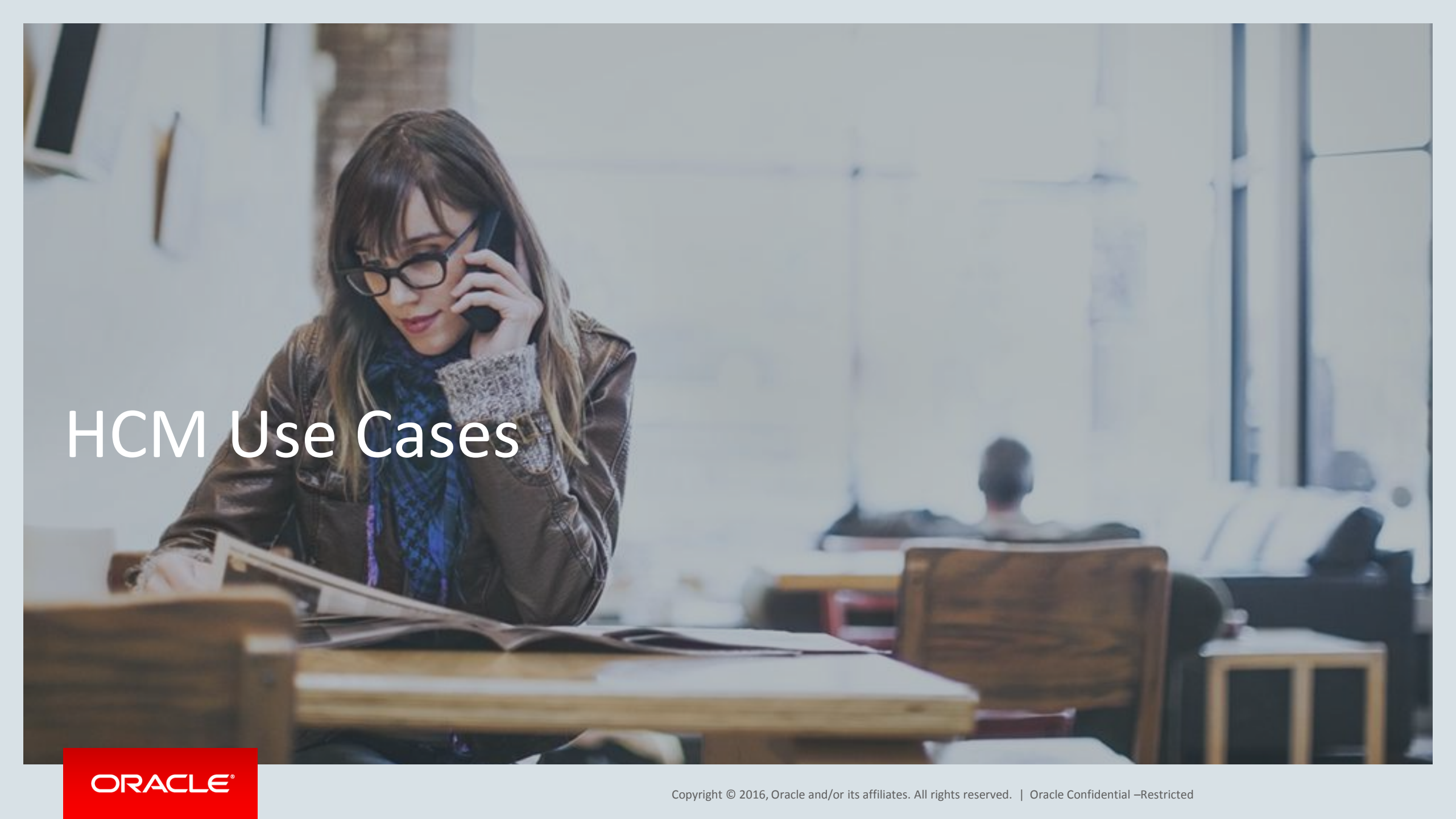
2. Dev/Test or Dev/Test/Prod

3. Rapid New Application Development in Cloud

4. SOA 12c Upgrade Testing

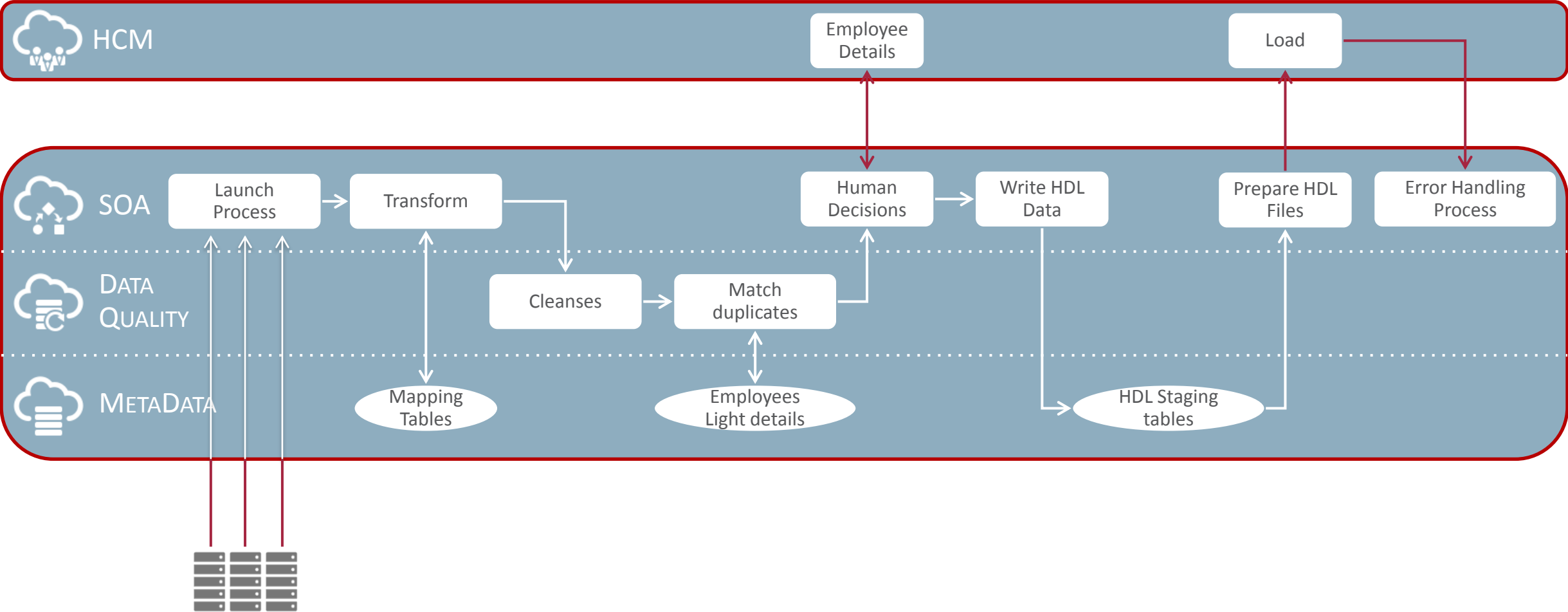
Examples

- HCM HDL file based orchestration integration
- HCM outbound REST ATOM Feeds
- HCM and ERP inbound & outbound file based orchestration integration through UCM
- Build & deploy departmental/ born in the cloud SOA Apps from Dev to Test to Production in the cloud
- Extend functionality to SaaS app, integrate SaaS app & on-premise apps, etc
- Connect Cloud Apps with on-premise Apps
- Quickly setup new test environments for 12c upgrade

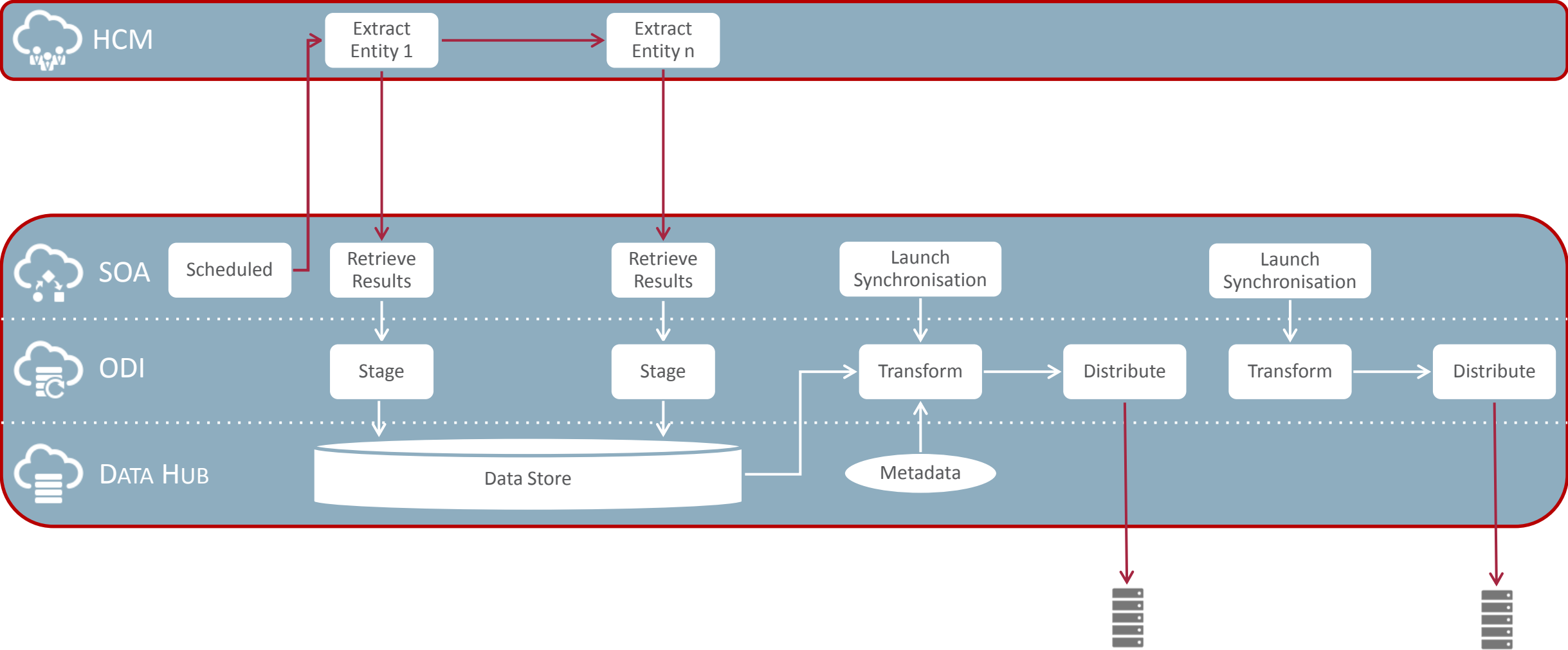
A woman with long brown hair and glasses is sitting at a wooden table in a cafe. She is wearing a brown leather jacket over a blue patterned scarf. She is holding a black smartphone to her ear with her right hand and looking down at an open magazine or book on the table with her left hand. The background is a blurred cafe interior with other tables and chairs.

HCM Use Cases

Upstream Integration with Duplicate Check



Downstream Integration with Data Store









A woman with long brown hair and glasses is sitting at a wooden table in a cafe. She is wearing a brown leather jacket over a blue patterned scarf. She is holding a black smartphone to her ear with her right hand and looking down at an open magazine or book on the table with her left hand. The background is a blurred interior of a cafe with other tables and chairs, and a person is visible sitting at a table in the distance.

Value Creation

Oracle SOACS vs. AWS vs. Azure

How much time and effort (money) can SOACS really save?

	Time 	Clicks 	Commands 
	7h 36m	565	278
	11h 38m	674	169
	2h 27m	75	0
	4.7x faster than Azure And 3x faster than AWS	7.5x fewer clicks than AWS	SOA CS doesn't <i>force</i> you down to the command line

Key Value: Saving Time and Money

Time spent provisioning and configuring WebLogic Domain for SOA & OSB

ORACLE[®]
CLOUD

More than

3_x

***FASTER
PROVISIONING***

*Resulting in faster time to market, fewer errors and
greater ability to prove concepts.*

Key Value: Minimizing Human Error Through Automation

Provision VMs, Install JDK, WebLogic, SOA, OSB, Configure Domain

ORACLE®
CLOUD

Up to
7.5x ***FEWER
CLICKS***

*Resulting in fewer instances of human error,
missed steps and decreasing points of failure*

Key Value: Fewer Commands

How often are you forced to command-line interfaces?

ORACLE®
CLOUD

As few as

ZERO *COMMANDS
REQUIRED*

*You're not forced to the command line at any point in the
Java Cloud Service provisioning or management process*

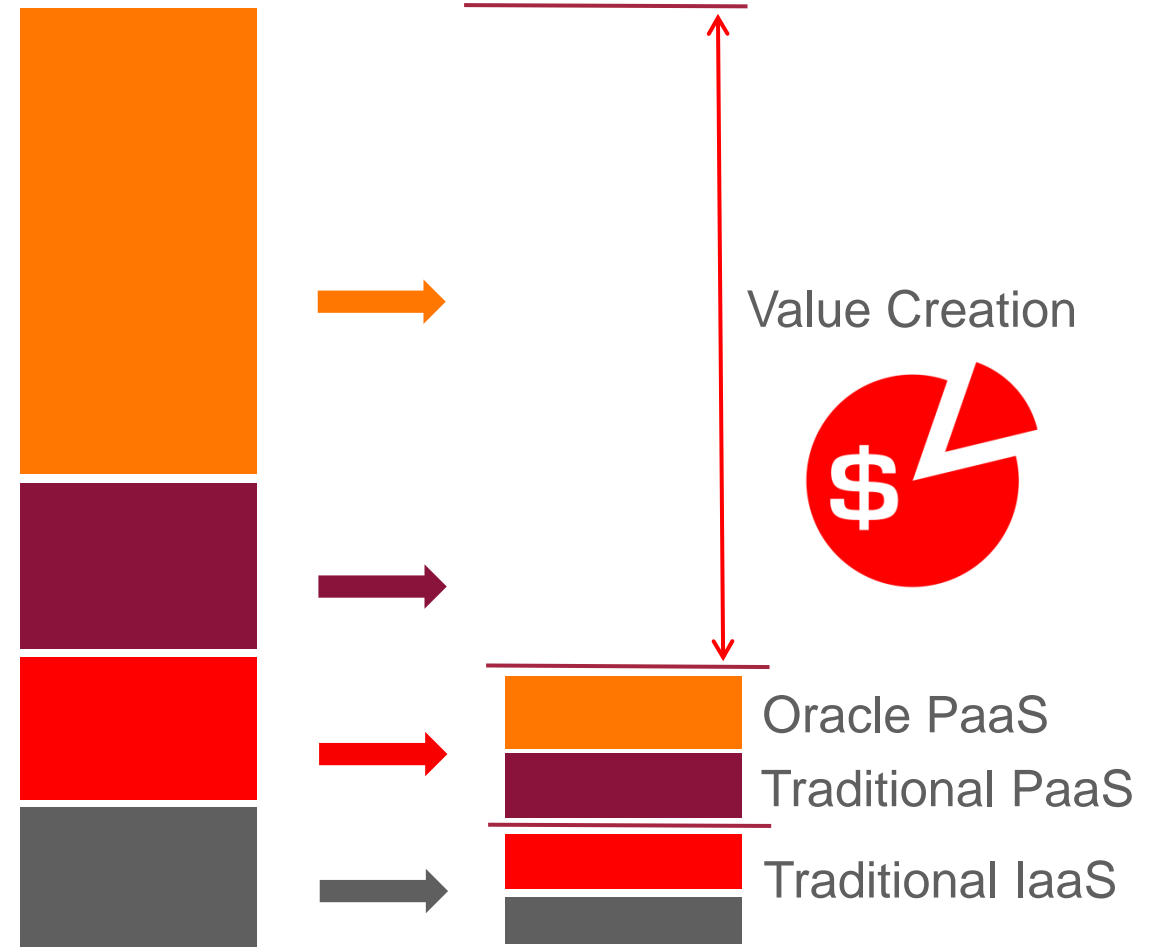
Creating Value through Oracle SOA Cloud

Ongoing Maintenance Cost: Backup, Patching, Hardware Upgrade, OS Upgrade, Firmware Upgrade, Software Upgrade, Test-Dev Synchronization, Cloning, Data Masking, Security Configuration Checks, Security Auditing, ...

Software Cost: License, Installation, Configuration, Security Setup, DR Setup, ...

Hardware Cost: Servers, Storage, Network, ...

Facilities Cost: Data Center, ISP, CDN, DNS, ...



Moving Dev / Test to the Oracle SOA Cloud Service



MyST

RUBICONXRED



Rubicon Red

Recognised global leader in Oracle Fusion Middleware

Thought Leadership. Innovation. Unrivalled Expertise.

ORACLE® Platinum Partner



**Oracle A/NZ Specialised
Partner of the Year 2014
Middleware**



ORACLE®
INNOVATION
AWARD FINALIST
2015

x3

ORACLE®
INNOVATION
AWARD 2014

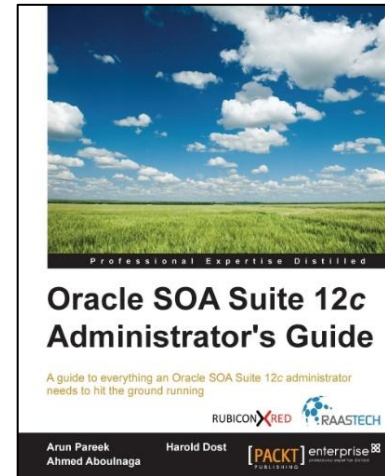
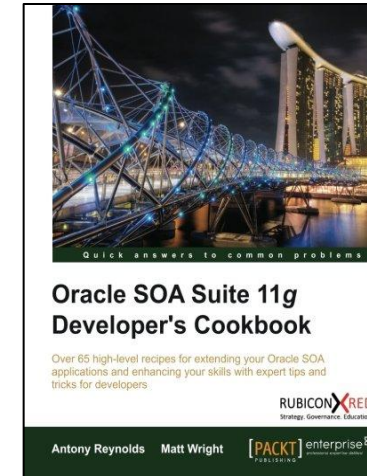
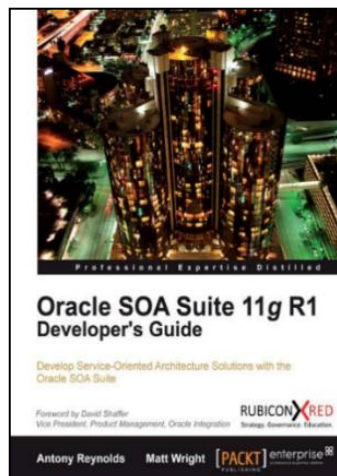
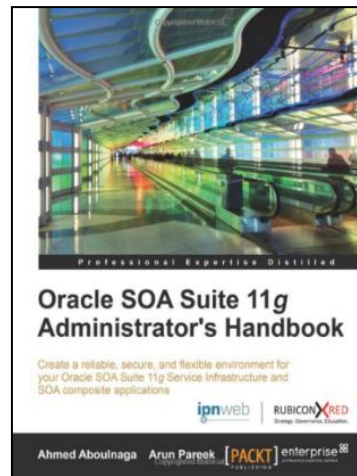
x3

ORACLE®
INNOVATION
AWARD 2011

ORACLE®
INNOVATION
AWARD 2010



2nd
year



ORACLE® Platinum Partner
Specialized
Oracle WebLogic Server 12c

ORACLE® Platinum Partner
Specialized
Oracle SOA Suite 12c

ORACLE® Platinum Partner
Specialized
Oracle Unified Business
Process Management

ORACLE® Platinum Partner
Specialized
Oracle VM 3.0

ORACLE® Platinum Partner
Specialized
Oracle Linux 6

ORACLE® Platinum Partner
Specialized
Oracle Enterprise Manager 12c

Innovation is driving business growth



**Software is a
Competitive Advantage**

To be competitive, organizations are looking to use technology to drive innovation into their products and services, and simultaneously deliver efficiencies

Development teams are adopting agile practices...



in an attempt to deliver solutions FASTER

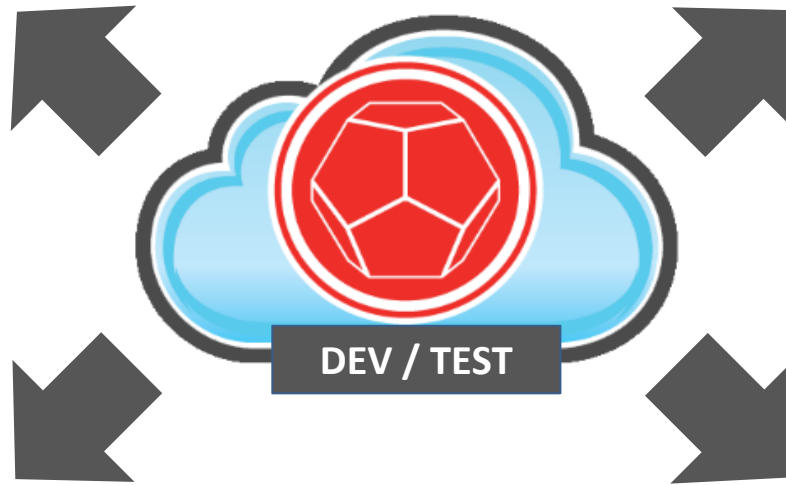
Yet are often blocked by the capacity of **IT Operations** to provision
“Production like” Dev and Test environments in a timely way.

Moving Dev/Test to the Cloud

Development using the Oracle SOA Cloud Service

Environments On-Demand
Oracle Middleware in Minutes

Reduce Operational Cost
Dispose of when no longer required



Infrastructure as Code
Deploy to a known state, quickly

Adopt DevOps Practices
Enables Agile Development

Research Indicates

Moving Dev/Test to the cloud can reduce development time by an order of 11 to 20 percent, with some projects experiencing 30%+ time savings¹.

Large Australian Bank

Move Development and Test to Cloud

❑ COMPANY OVERVIEW

- One of the four largest financial institutions in Australia in terms of market capitalization and customers.
- Industry: Banking and Financial Services

❑ CHALLENGES/OPPORTUNITIES

- Very aggressive timeframes to deliver complex SOA Project
 - 3 major releases in 20 Weeks
- 2-3 month lead time just to provide infrastructure for dev and test
- 2 weeks to deploy and configure code artefacts per environment
- 3-6 Month release cycle from Dev to Prod
- Manual platform provisioning & config leading to inconsistencies.

❑ SOLUTION ADOPTED

- Moved development and testing to the Cloud.
- Automated provisioning of cloud middleware environments based on Exalogic Production configuration.
- Automated continuous delivery solution across cloud and on-premise
- Automated testing covering entire solution; processes, services and UI.

Large Australian Bank

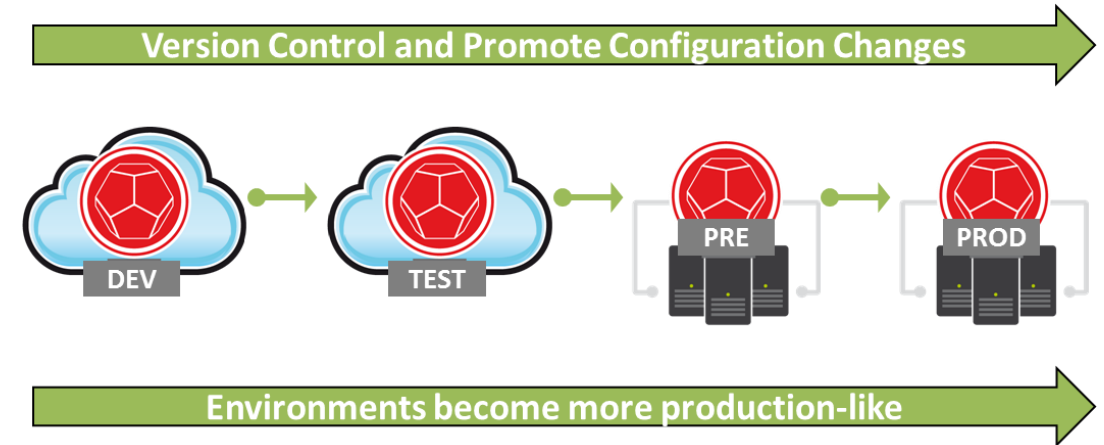
- **30 Minutes** to provision Dev / Test environments.
- **Zero wait time** for teams to get development started.
- Dev / Test environments **consistent** with Production
- From 2 weeks to **<20 minutes to deploy & configure code.**
- **40 minutes to run end to end tests** for the entire solution.
- **Release cycles reduced** from 3-6 months to **2 weeks**

Lessons Learned

To unlock commercial & speed to market benefits of cloud



Need to ensure consistent environment configuration across cloud and on-premise



A standardized automated process for building and deploying code across ALL environments.

Replicating existing manual and semi-scripted approaches to configure and set-up cloud infrastructure

Will NOT deliver the benefits of Cloud.

Oracle Middleware Platform Configuration ... Automated

Ensure consistently configured SOA Platform across ALL environment

Declarative Automation

- Define target state of middleware platform
- At the push of a button, is provisioned and configured by MyST

Platform Blueprints

- Define environment agnostic configuration
- Ensure consistency across all environments

Platform Models

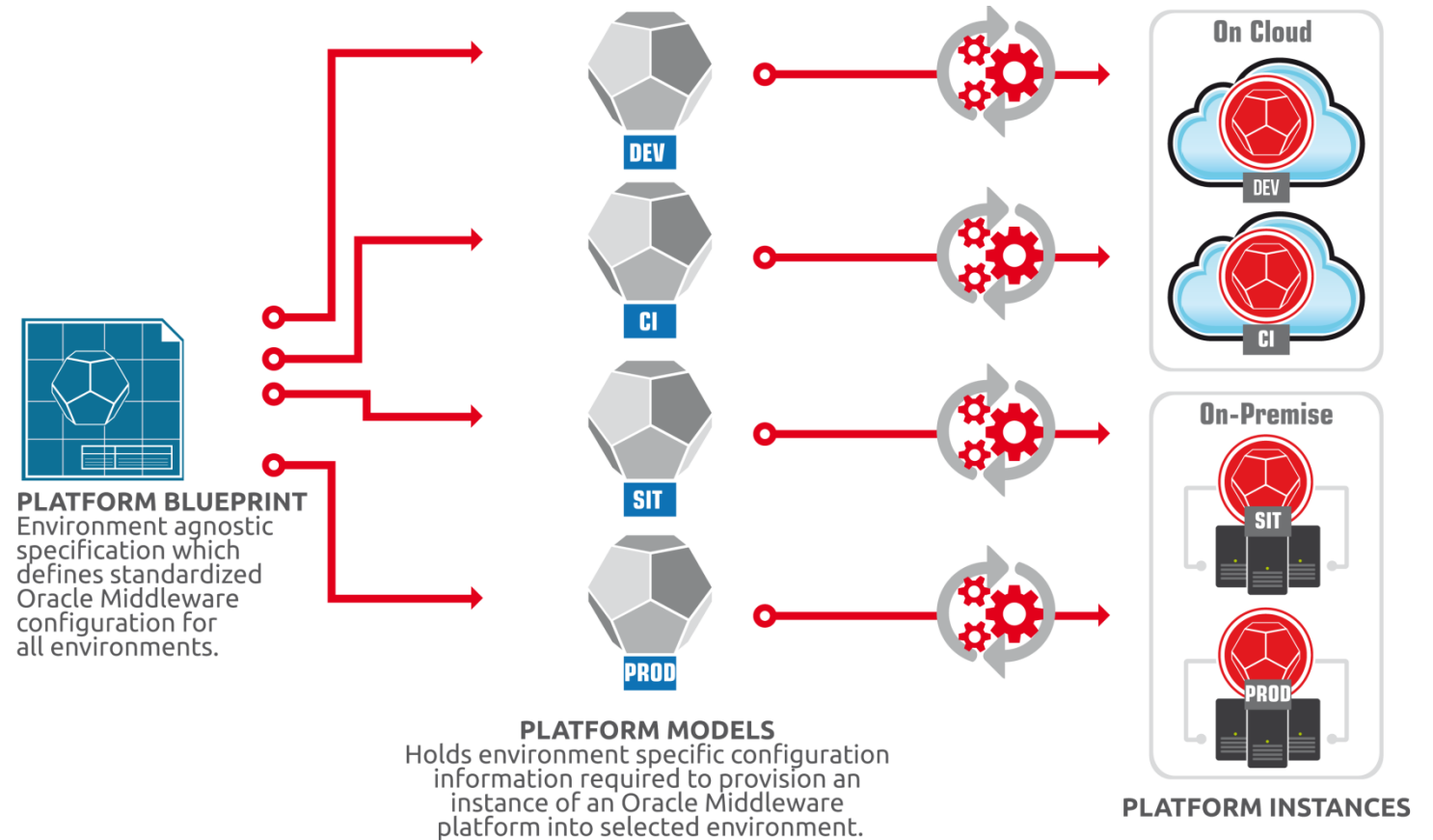
- Map Blueprint to specific environment
- Defines environment specific details

Platform configuration changes

- Just update the Platform Blueprint / Model
- MyST will perform the required steps to upgrade an environment

Blueprints & Models version controlled

- Maintain consistently configured Oracle SOA Platforms across all environment
- Eliminates Configuration drift



Fully Automated Provisioning of Oracle Middleware Environments in Minutes!

Automated Process for Deploying Releases

Release Pipelines manage release across Cloud and On-Premise

Release Pipelines

- Identical Process for deployment across Cloud and on Premise.
- Identical Process for promoting platform and code changes

Flexible Management Features

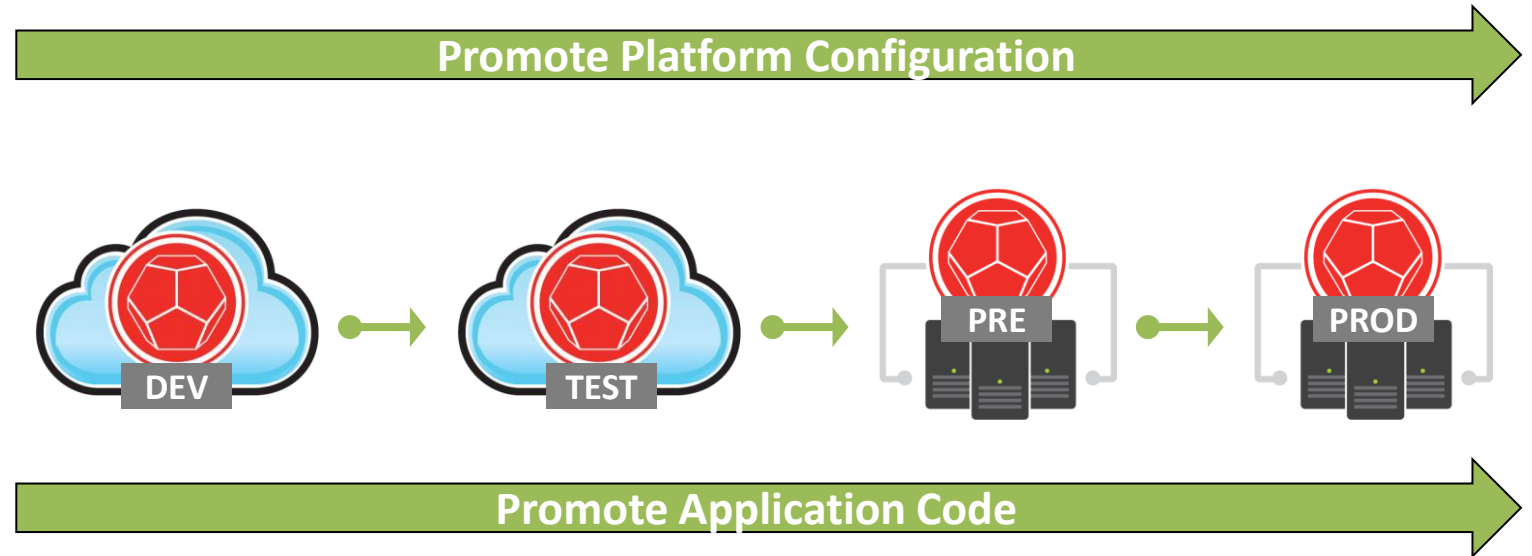
- Combine config changes with multiple applications in single release

Dashboard

- Single pane of glass to monitor and manage the promotion of releases

Governance and Control

- Full inventory of what's been deployed, including times and versions
- Control who can promote into each environment



Establish a standard process for automating the deployment and configuration of Oracle Middleware solutions on-premise and in the cloud.



Demo

Benefits of Dev/Test in the Cloud

Deliver new solutions faster, cheaper and more often.

Reduce Risk

Reduce risk of projects delays, provide better visibility.

Significantly reduce risk of defects in production.

Decrease Cost

Reduce cost of existing Dev/Test environments plus increase developer efficiency.

Speed Up Time to Market

Increase agility of development and test teams.

Shorten the development lifecycle.

Visit Rubicon Red at Oracle OpenWorld

Booth 331 Moscone South



Integrated Cloud

Applications & Platform Services

ORACLE®