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# JD Edwards on Oracle Cloud Infrastructure (OCI) – 2020 Strategy

Reimagine Your Business with JDE on OCI

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April 15, 2020



## Safe harbor statement

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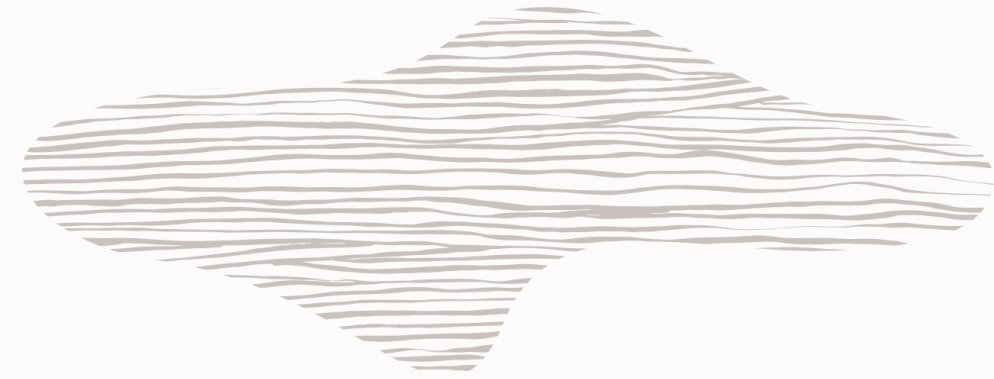
# Agenda



1. Oracle Cloud Infrastructure (OCI) Overview & Differentiators
2. Running JDE on OCI: Strategy
3. Automation, Roadmap, and Resources



# Agenda



1. Oracle Cloud Infrastructure (OCI) Overview & Differentiators
2. Running JDE on OCI: Strategy, Automation
3. Roadmap, and Resources



# Sample of JDE Customers on OCI

140+  
Customers



# Why Run JDE on Oracle Cloud Infrastructure?



## Reduce Costs

- Exit Data Center
- Consolidate infrastructure
- Only pay for what you use
- Leverage Existing Investments



## Reduce Risk

- Fewer operational issues
- End-to-end security
- Extra defense against ransomware
- Protect Against Technological Obsolescence



## Improve Agility

- More automation
- Spin up JDE trial systems in minutes
- Automated Dev/Test/Prod
- Scale up/down quickly

**And ... 2<sup>nd</sup> generation OCI makes it easy to reliably, securely run Enterprise grade apps – with Enterprise grade performance @ low cost, with single vendor support**

# Run your mission-critical, enterprise portfolio

- Retained what's good in Gen 1 clouds, but improved it
- Cloud for Enterprise: Security & Performance
- Makes transition to cloud easier without forcing customers to rewrite apps
- **Bring your present, build your future**

## First Generation Cloud

Elastic resources

Pay for what you use

High scale

Self-service

Easy to use



## Oracle Cloud

Superior performance

Superior economics

Enterprise expertise

Security first

Open ecosystem



# Security re-envisioned in the Cloud

## Zero Trust Architecture

- Using Off box virtualization, Oracle can't see customer data, Customers can't see Oracle management code.
- Oracle uses custom hardware to guarantee clean resources for each customer





## Maximum Security Zones

- Preconfigured mandatory security best practices for critical production workloads, which helps eliminate customer misconfiguration

## Oracle Database

- Oracle Database has Data Safe and OS security (Autonomous Linux)

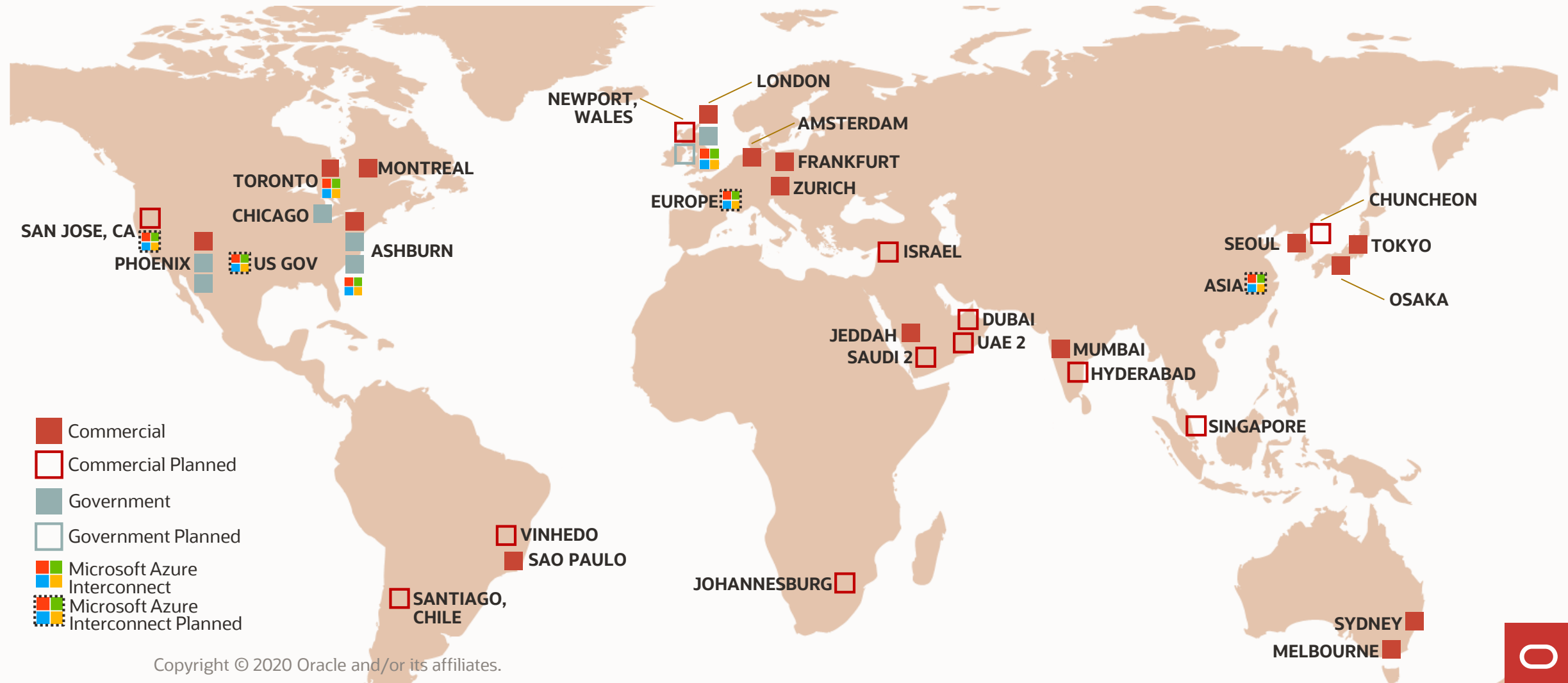
# Industry First end-to-end Cloud Infrastructure Warranty (SLA)

				
<b>AVAILABILITY</b>	<b>Covered</b>	<b>Covered</b>	<b>Covered</b>	<b>Covered</b>
<b>PERFORMANCE</b>	<b>Covered</b>	<i>No coverage</i>	<i>No coverage</i>	<i>No coverage</i>
<b>MANAGEABILITY</b>	<b>Covered</b>	<i>No coverage</i>	<i>No coverage</i>	<i>No coverage</i>

<https://cloud.oracle.com/iaas/sla>

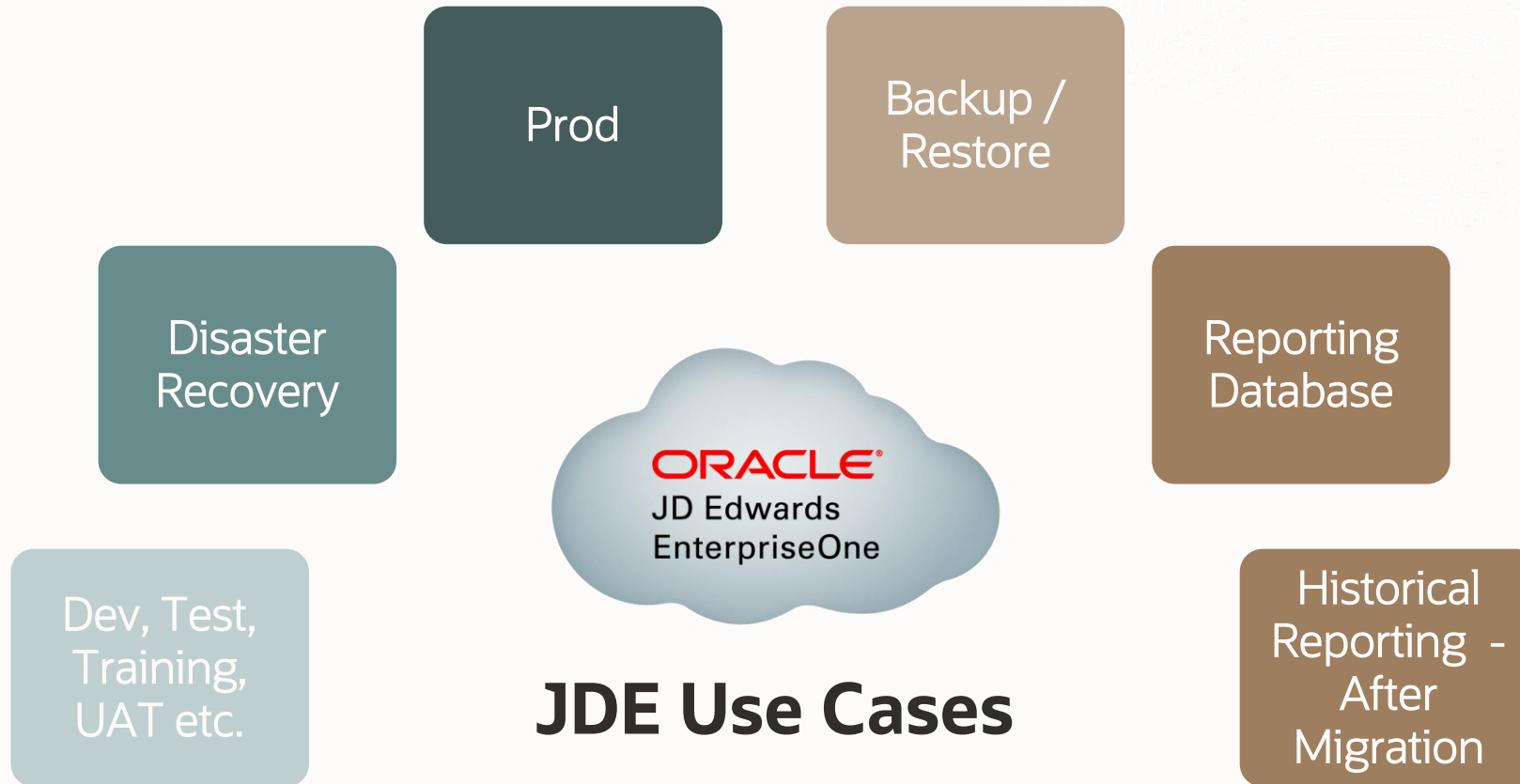
# Oracle Cloud Infrastructure Global Footprint

March 2020: 22 Regions Live, 14 Planned



# JDE on Oracle Cloud Infrastructure

## Workload Use Cases



## Two Free OCI Trial Options

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New

### Always Free

Services you can use  
for an unlimited time

+

### Free Trial

Free credits for 30 days

## Learn, Explore, and Build for Free

# Always Free OCI – What's Included



## Autonomous Database

2 x Databases  
20 GB each



## Compute

2 x VMs  
1 GB Memory each



## Storage

100 GB Block  
10 GB Object  
10 GB Archive



## Networking/ Load Balancing

10 Mbps LB  
10 TB Outbound  
Data Transfer

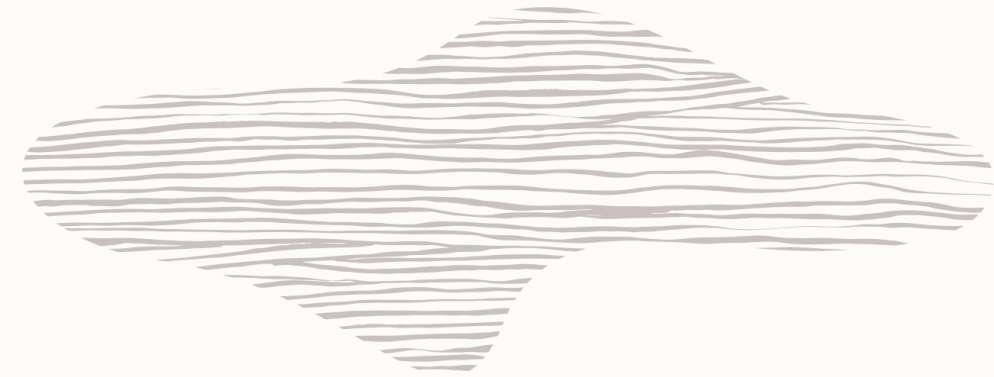


## Monitoring / Notifications

500M Metrics Ingestion  
1B Metrics Retrieval  
1M Http Notifications  
1K Email Notifications

**Available to All New and Existing Cloud Accounts**

# Agenda



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3. Roadmap, and Resources



# Continuous Innovation on JD Edwards EnterpriseOne 9.2 with Premier Support Until AT LEAST 2031

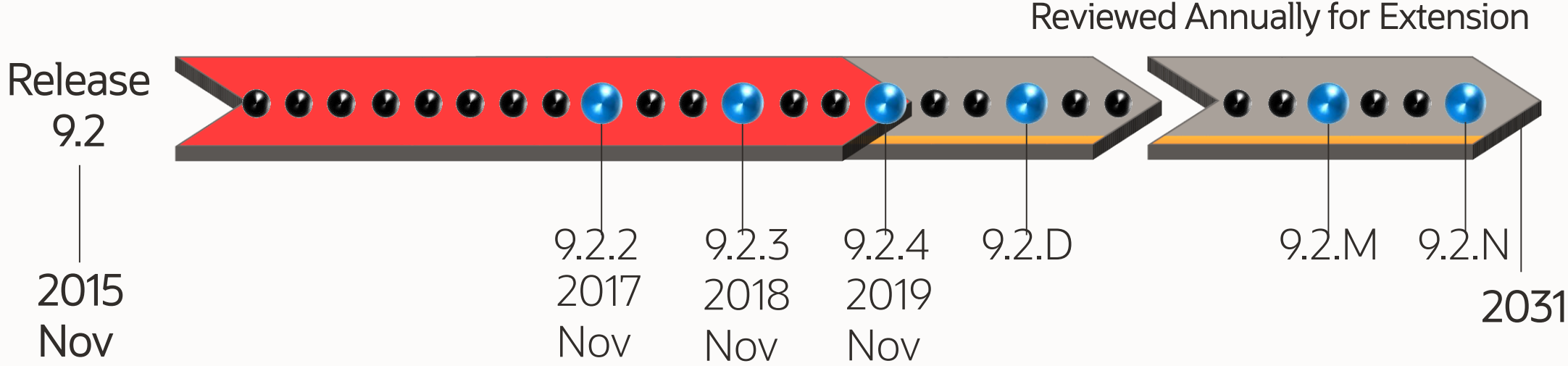
Delivering Ongoing Innovation and  
Underlying Technology Stack Updates  
without Major Upgrade Requirements

[JD Edwards Premier Support and Continuous Delivery FAQ \(PDF\)](#)



# JDE Roadmap: Continuous Innovation on JDE E1 9.2

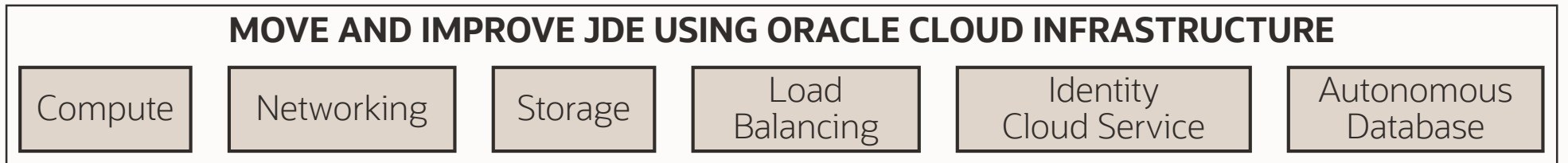
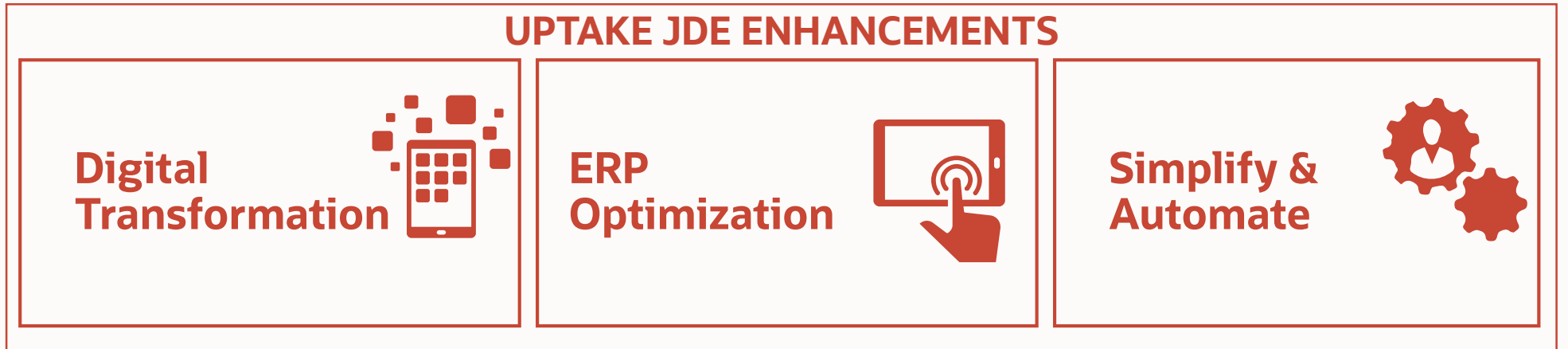
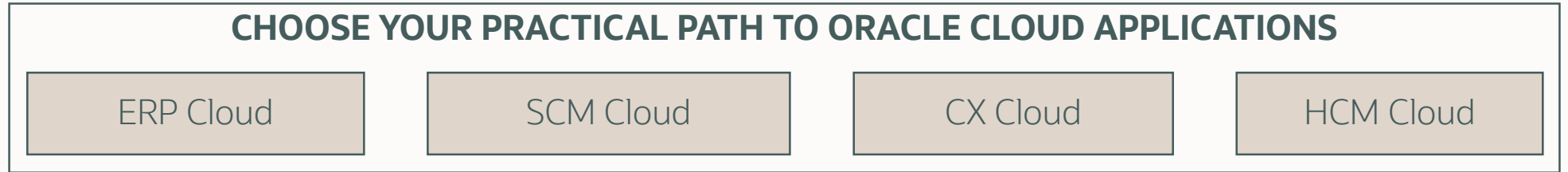
Continued Investment and Support for Years to Come without Major Upgrade



- Feature Packs
- Updates

# Oracle's Investments for JDE Customers

Leverage JDE Strengths Combined with Broader Oracle Cloud Portfolio



# Simplify and Automate the Administration of Oracle JD Edwards EnterpriseOne 9.2

**Simplify and Automate** the ongoing maintenance of JD Edwards to ensure that the product's total cost of ownership remains low while taking advantage of the significant innovation opportunities available in the Oracle JD Edwards ecosystem.

February 3, 2020 | Version 1.00  
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[Link to Whitepaper](#)

# Oracle's JD Edwards Cloud Strategy

Empower customers to achieve their target business outcomes through **choice and control** across on-premise, hybrid, cloud at customer, and cloud migration strategies.



# JD Edwards on OCI Value Proposition

Hybrid Cloud Optimization – Extend JDE on OCI with PaaS and SaaS



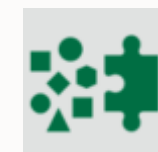
The JD Edwards you **KNOW**



The JD Edwards you **OWN**



The JD Edwards you **CUSTOMIZED**



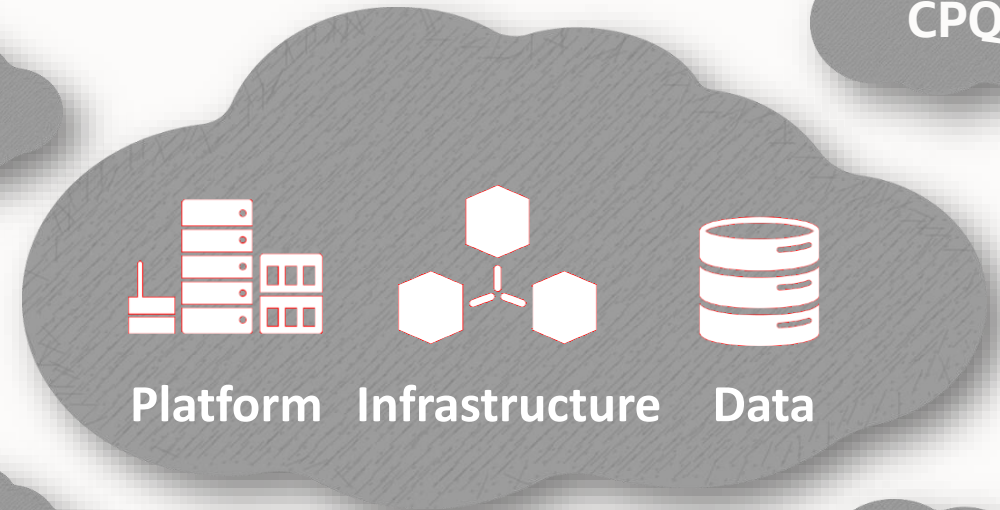
The JD Edwards you **INTEGRATED**



OTM



CPQ



Platform

Infrastructure

Data



LBaaS



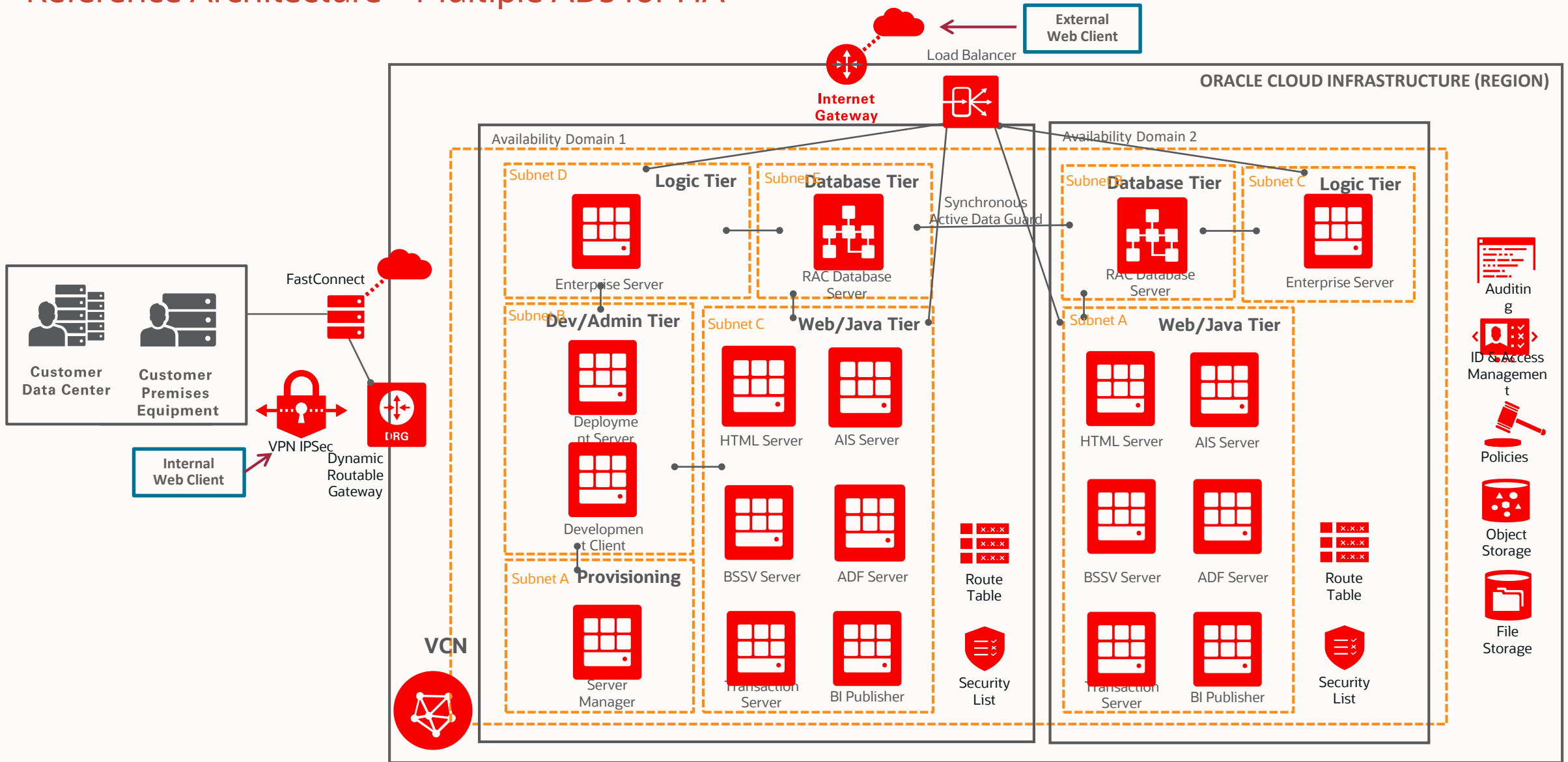
ExaData  
CloudService



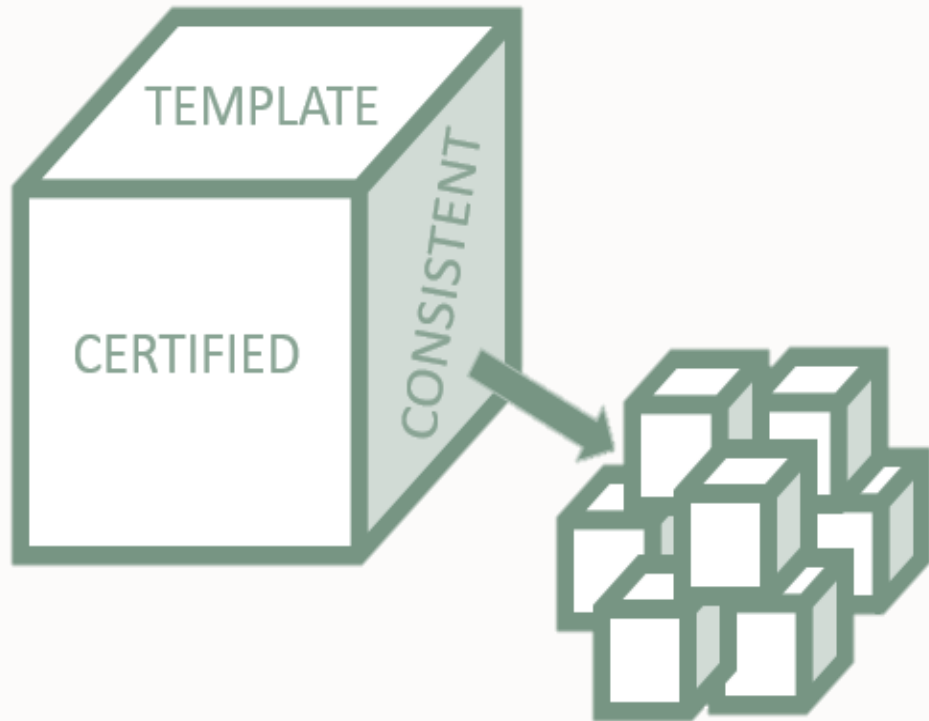
Indirect  
Procurement

# JD Edwards EnterpriseOne on OCI

## Reference Architecture – Multiple ADs for HA



# JDE on OCI Reference Architecture – Strategic Purpose



## **TEMPLATE** Solution

Provides guidelines & best practices  
Optimized for Oracle Cloud Infrastructure  
Out of Box High Availability and Security

## **CERTIFIED** by JDE

Automated provisioning of Reference Architecture  
Validated with each release cycle  
Reliable for future enhancements

## **CONSISTENT** Implementation

Adherence to common standards and patterns  
Reduces risks (high predictability)  
Streamlines support

# Optimize JDE in OCI – Practical Scenarios



**Customer  
Datacenter**

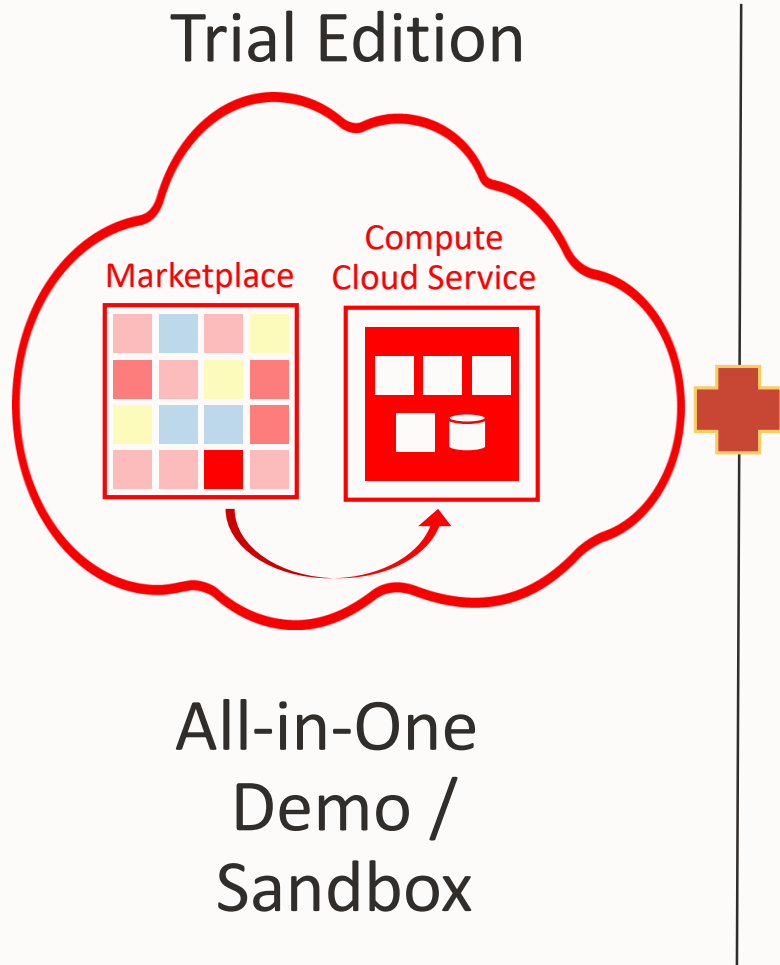
- ✓ **Trial (Sandbox)**
- ✓ **New Instances**
- ✓ **Lift & Shift**
- ✓ **Move & Improve**



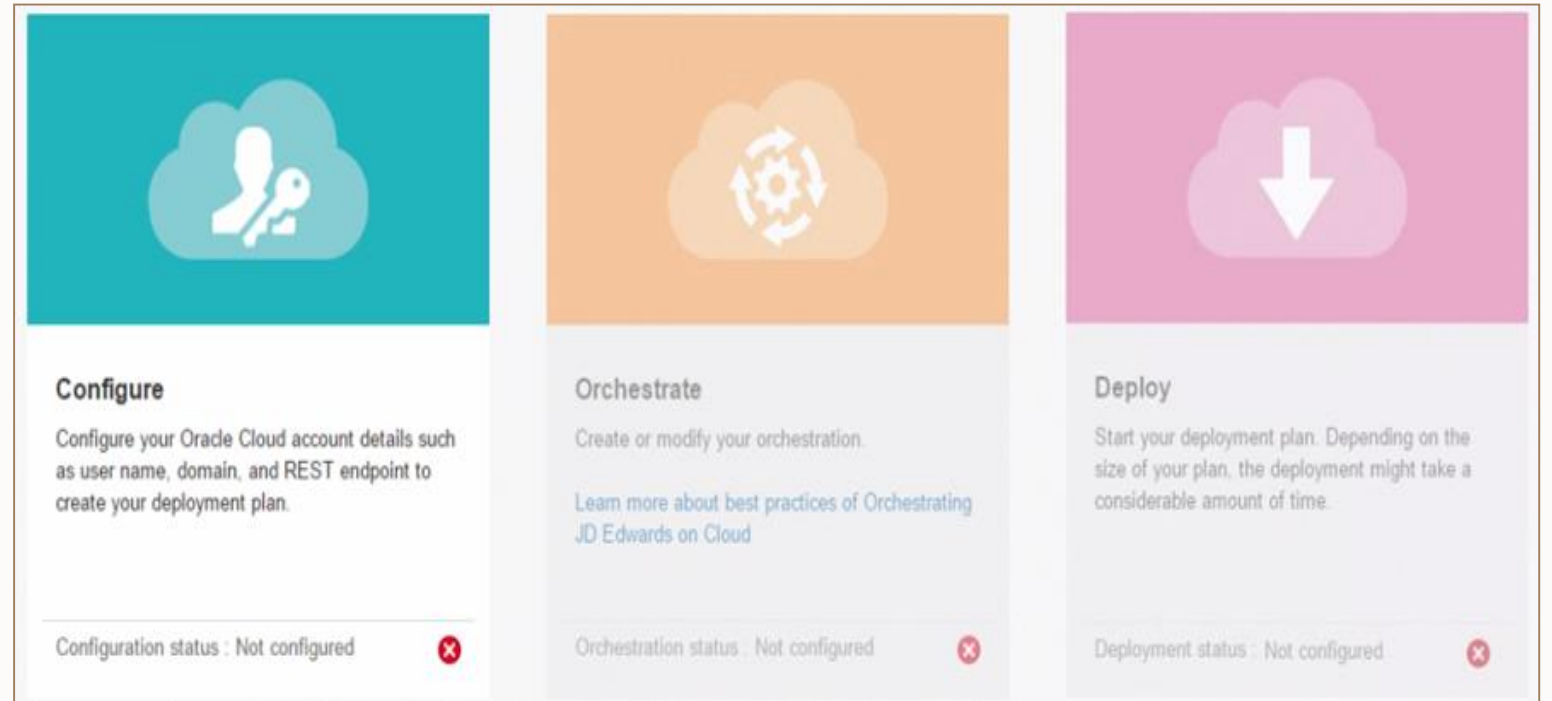
**Oracle Cloud**



# Quick JDE Environment – Trial Edition (Sandbox)



## Announcing! JD Edwards One-Click Provisioning



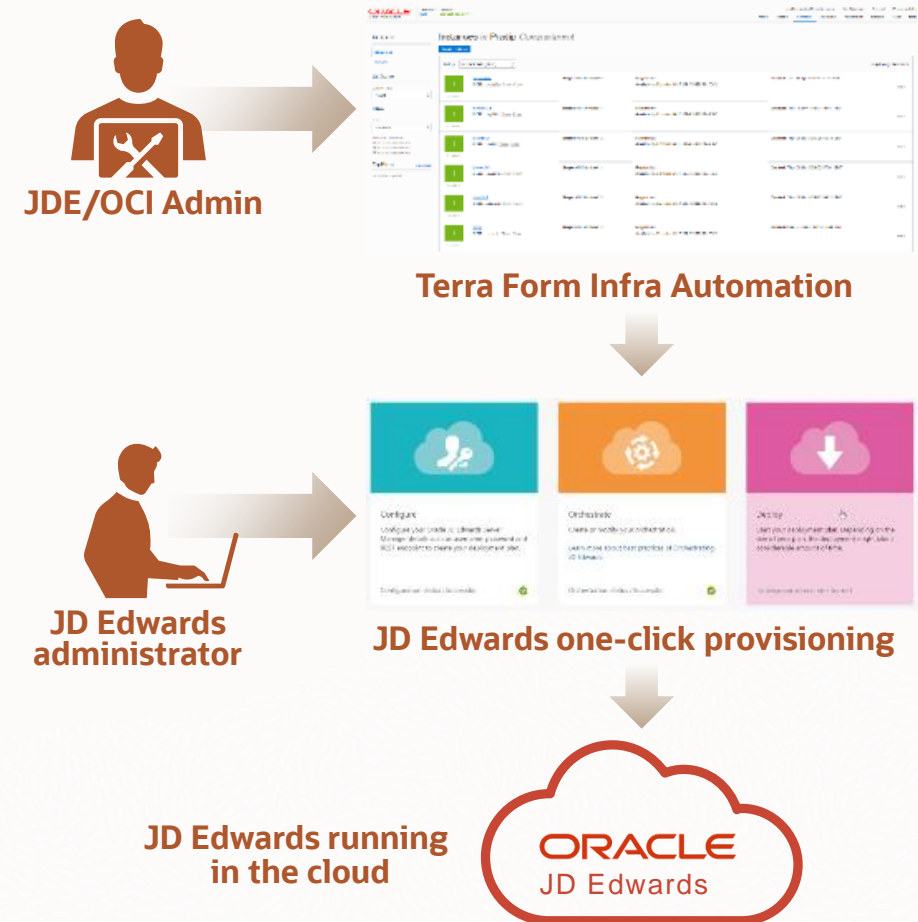
The interface consists of three vertical panels, each with a colored header and a white content area. The first panel is teal with a cloud icon containing a person and a key. The second panel is orange with a cloud icon containing a gear and arrows. The third panel is pink with a cloud icon containing a downward arrow. Each panel has a status bar at the bottom with a red 'x' icon.

Step	Description	Status
Configure	Configure your Oracle Cloud account details such as user name, domain, and REST endpoint to create your deployment plan. <a href="#">Learn more about best practices of Orchestrating JD Edwards on Cloud</a>	Configuration status : Not configured
Orchestrate	Create or modify your orchestration.	Orchestration status : Not configured
Deploy	Start your deployment plan. Depending on the size of your plan, the deployment might take a considerable amount of time.	Deployment status : Not configured

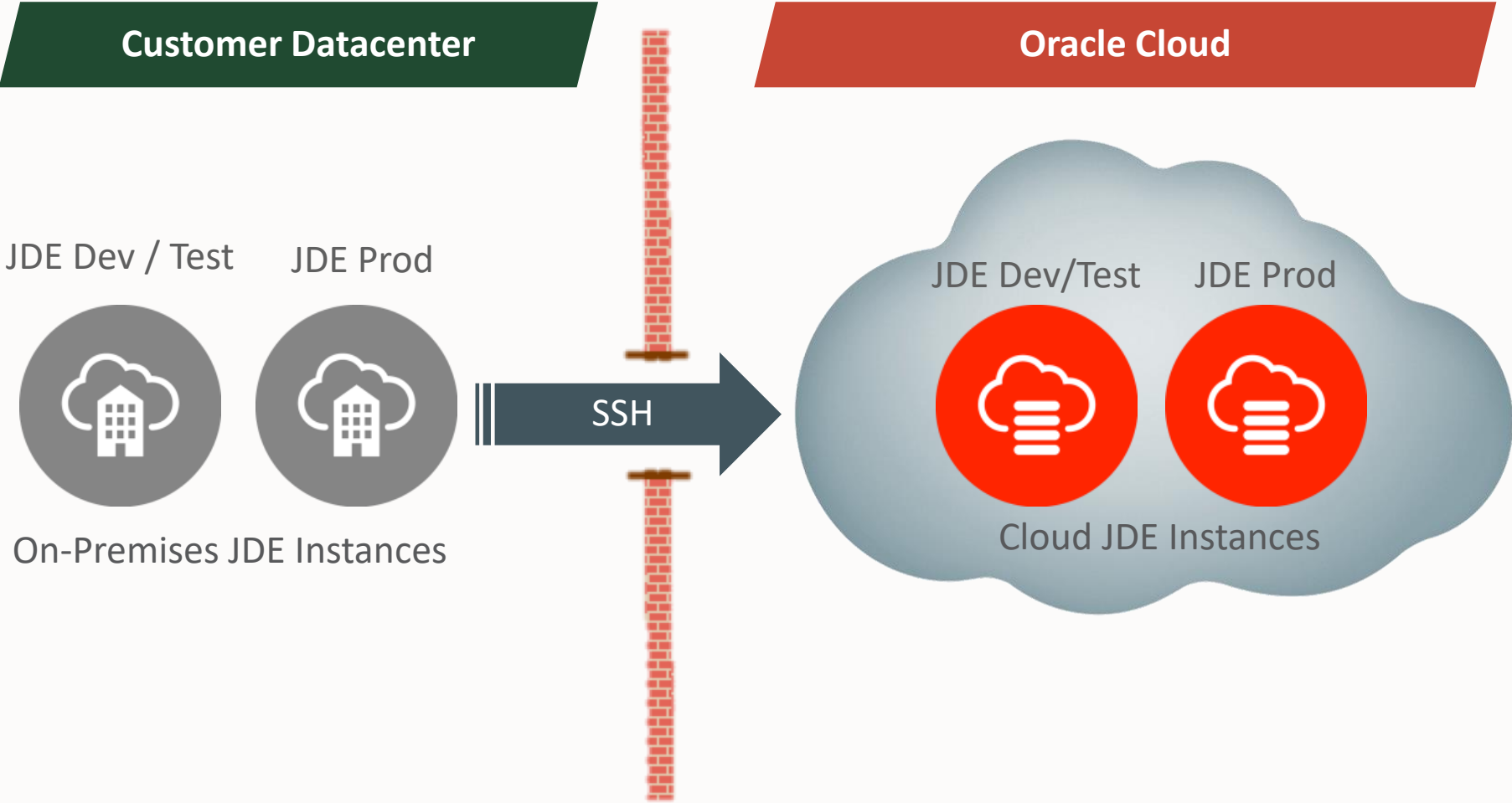
**Review the Learning Path!** – [Deploying JD Edwards to EnterpriseOne Trial Edition on Oracle Cloud Infrastructure](#)

# New Instances - One-Click Provisioning

- Utilize the **Terraform Infrastructure Automation** scripts from OCI Marketplace
- **Reference Architecture Automation** creates subnets and security lists, provisions storage, compute and database, and installs software
- **One-click Provisioning** tool consumes a base configuration of JD Edwards from Terraform Infrastructure Automation
- **Let the JDE Automated Provisioning work its magic!**



# Lift and Shift - On-Premise JDE Instances to OCI



Available Today

Like-to-like Migration		
Linux	→	Linux
Windows	→	Windows
Oracle DB	→	Oracle DB
SQL Server DB	→	SQL Server DB
JDE 9.2	→	JDE 9.2

Migrates

- Business Configuration
- Business Data
- Customizations
- Application Patch Level

# Move and Improve your JD Edwards Infrastructure with OCI

- Reference Architecture published for JDE best practice
- Automated infrastructure provisioning
- Latest 9.2 release (code current) provisioned with One-Click provisioning
- Automation utility to extract & Import on-premises configuration and data
- Move to Cloud and Upgrade to 9.2 as a single process

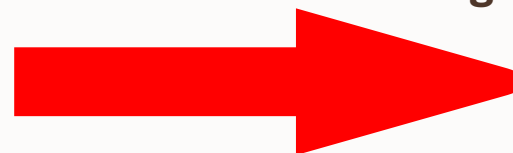
**Your Digital Business**



**ORACLE®**  
JD Edwards  
On-Premise

**Tools to Automate  
the Migration**

**Infrastructure  
Provisioning  
One-Click Provisioning**



**Cloud Migration Utilities  
Simplified Upgrade**

**Your Digital Business  
(in the Oracle Cloud)**



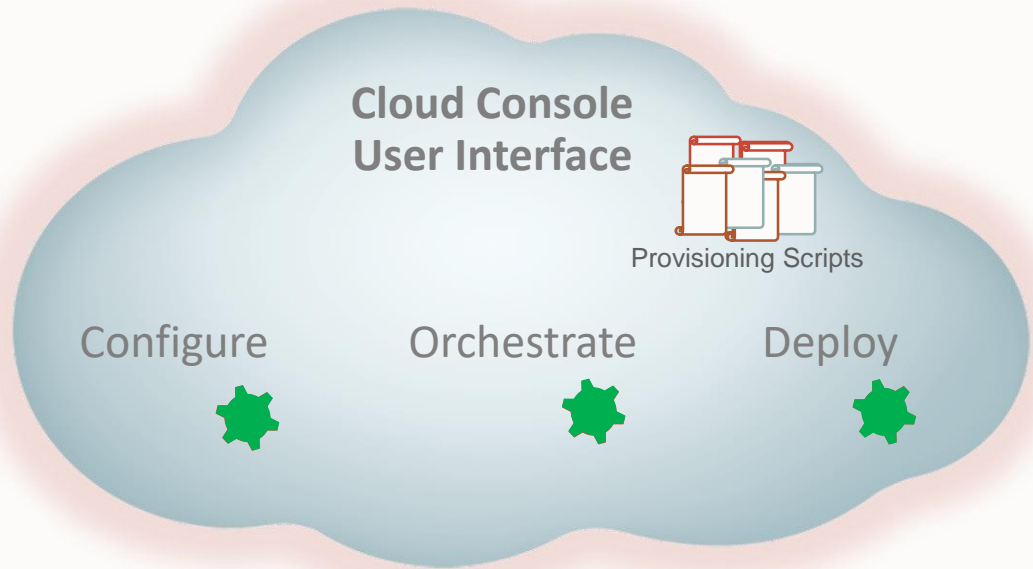
**ORACLE®**  
JD Edwards  
Oracle Cloud

# JD Edwards Cloud – Deployment Choices

**Feature**

- OCI Validation
- Latency Testing
- Latest JDE EnterpriseOne 9.2 Applications & Tools
- Personalization
- Orchestrations
- Tools Patching – Server Manager
- Applications Patching (ESUs)
- Lift & Shift
- Development / Customizations
- Move & Improve (Upgrade)
- Production Ready
- Scalable
- Cloud Credits / Maintenance Costs
- Time to Up and Running

Trial Edition	Trial + OCP	One-Click
√	√	√
√	√	√
√	√	√
√	√	√
√	√	√
X	√	√
X	√	√
X	√ - Pristine	√
X	√ - Pristine	√
X	X	√
X	X	√
X	X	√
\$	\$\$	\$\$\$
1 Hour	1 Day	2 Days



**Configure**

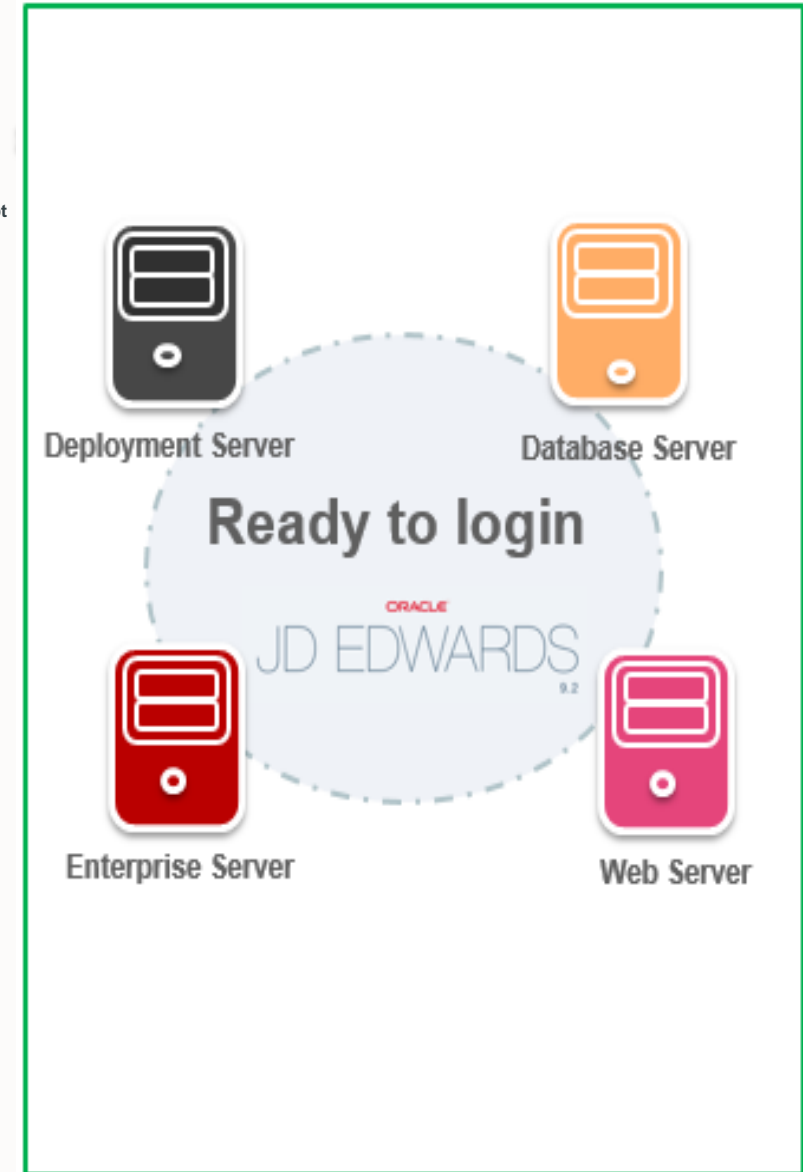
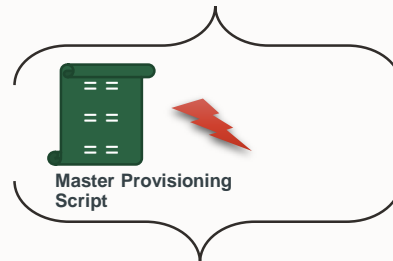
User Name \_\_\_\_\_

Password \_\_\_\_\_

SM Rest End Point \_\_\_\_\_

- Orchestrate**
- Global Settings
  - Database Server
  - Enterprise Server
  - HTML Web Server
  - AIS Web Server
  - Deployment Server

**JSON**



## Welcome to JD Edwards One-Click Provisioning Console



### Configure

Configure your Oracle JD Edwards Server Manager details such as username, password and REST endpoint to create your deployment plan.

Configuration status : Successful



### Orchestrate

Create or modify your orchestration.

[Learn more about best practices of Orchestrating JD Edwards.](#)

Orchestration status : Successful



### Deploy

Start your deployment plan. Depending on the size of your plan, the deployment might take a considerable amount of time.

Deployment status : Successful



# Database Server in DBCS or Compute DB Orchestration

## Database Server Instance

Enter the details to configure your database server instance.



### Server Configuration

\* Instance Name

\* Host Name



### Database Configuration

\* DB Admin Password

\* Net Service Name



### JD Edwards Database Configuration

\* JDE DB Install Directory

\* JDE DB Table Directory

\* JDE DB Index Directory

\* Schemas

Demo Data






# All JDE Servers Orchestration Summary





ORACLE® JD Edwards Provisioning Console Export Orchestration Options

Service Types

- Servers
- Database Server
- Enterprise Server
- Web Server
- Deployment Server

## JD Edwards Servers Back

  
New Server

▶ Database Server Instances	1 Instances	
▶ Enterprise Server Instances	1 Instances	
▶ Web Server Instances	2 Instances	
▶ Deployment Server Instances	1 Instances	

# JDE Servers Start Deployment

ORACLE® JD Edwards Provisioning Console

## Oracle JD Edwards Deployment

< Back

### Release Summary

JD Edwards Application Release: 9.2  
JD Edwards Tools Release : 9.2.2.2

### Deployment Details



#### jdeppdep1109

**Instance:** Deployment Server  
**Platform:** Microsoft Windows



#### jdeppdb1109

**Instance:** Database Server  
**Platform:** Oracle Linux



#### jdeppes1109

**Instance:** Enterprise Server  
**Platform:** Oracle Linux



#### jdeppweb1109

**Instance:** Web Server



⌚ Show Previous Deployment

🔄 Start Deployment



# JDE Server Deployment Console

ORACLE® JD Edwards Provisioning Console

## Oracle JD Edwards Deployment

< Back

### Deployment Status

Task Name	Status
▲ <b>jdeppais1109</b>	✓
📁 Install Server Manager Agent	✓
📁 Distribute JDE Web Component to Server Manager Agent	✓
📁 Register WLS in Server Manager Console	✓
📁 Create Web Component Instance in Server Manager Console	✓
📁 Configure JDE Web Component INI Setting	✓
<b>Integration</b>	✓
▲ <b>HealthCheck</b>	✓
📁 jdeppais1109	✓

### jdeppais1109 log details:

```
Feb 20 17:36:39 - Starting deployment of jdeppais1109
Feb 20 17:36:39 - Checking SM Agent status on SM console.
Feb 20 17:36:57 - SM Agent installed successfully
Feb 20 17:36:57 - Distributing Component JAR 9.2.2.2-AIS-Server_06_70.par...
Feb 20 17:37:10 - WLS registered successfully and it is RUNNING
Feb 20 17:37:10 - Creating resources for JDE Instance...
Feb 20 17:37:11 - J2EE container jdeppais1109_server created ...
Feb 20 17:37:34 - JDE instance jdeppais1109 created ...
Feb 20 17:37:34 - JDE Instance jdeppais1109 created successfully.
Feb 20 17:37:34 - Checking for jdeppais1109 Status...
Feb 20 17:38:34 - Currently JDE Instance jdeppais1109 is STOPPED
Feb 20 17:38:34 - Now Starting jdeppais1109 sync...
Feb 20 17:38:59 - jdeppais1109 Sync is Done...
Feb 20 17:38:59 - INI successfully configured for Instance jdeppais1109.
Feb 20 17:39:55 - Generate Self Signed Certificate in truststore is Starting...
Feb 20 17:39:56 - Import Certificate with alias jdeppais1109cert into truststore is
not Available so Start importing it...
Feb 20 17:39:59 - Success: Import SM Certificate into jdeppweb1109 truststore is
Already Done.
Feb 20 17:40:57 - Generate Self Signed Certificate in truststore is Done.
Feb 20 17:40:57 - admin password decrypted
```



# Agenda

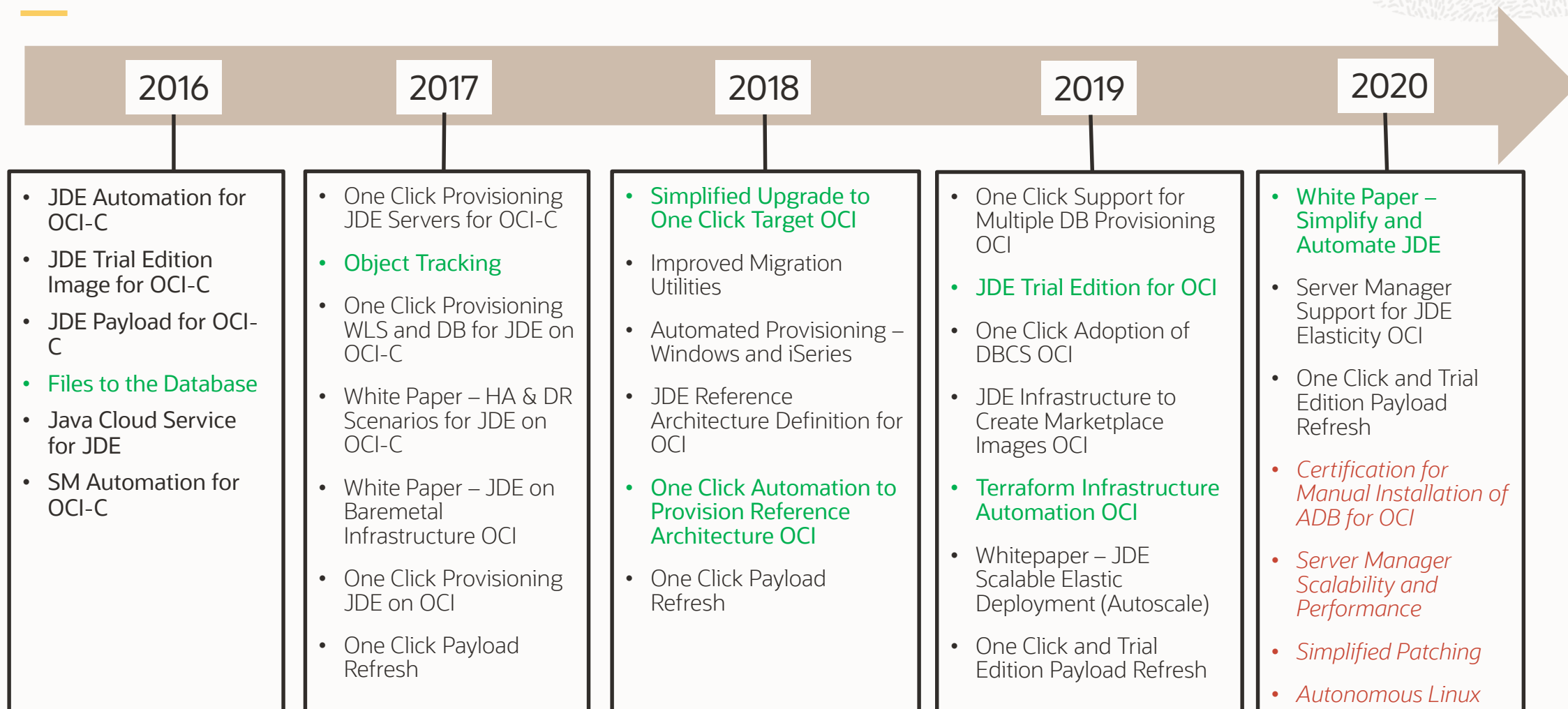


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# Enterprise Class Infrastructure Roadmap

## Continuous Stream of Innovation



# Elastic Infrastructure for JD Edwards

Planned

***Elasticity*** is your system's ability to balance your ever changing processing requirements against the system resources needed to manage your workloads.



## ***JDE on OCI Elasticity***

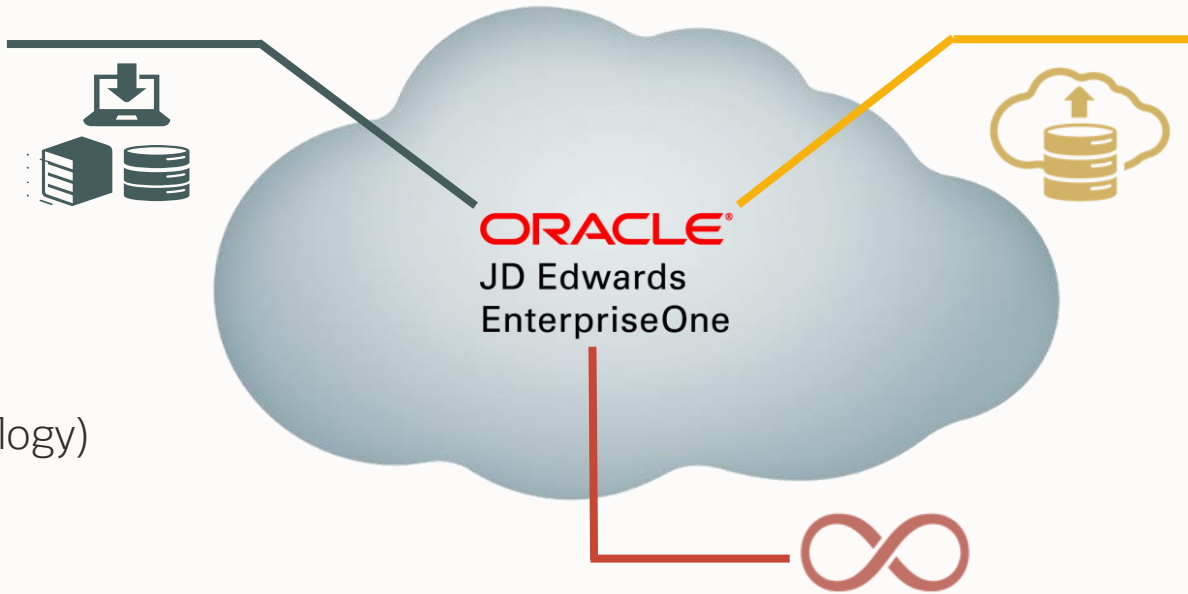
- Pay for what you use!
- Workload Driven
  - OCI Auto-scaling
- Autonomous DB
- JDE Server Elasticity
  - Docker Containers for Quick Spin up/down

# JDE on Oracle Cloud Infrastructure

## Areas of Investment

### PROVISIONING

- ✓ *Trial Edition* (sandbox)
- ✓ *One-Click* (reference architecture)
  - Quick start
  - Import
- ✓ Advanced (flexible topology)



### LIFT AND SHIFT OR MOVE AND IMPROVE

- ✓ *Lift and shift* your on-premises environments to Oracle Cloud Infrastructure, including:
  - JDE configuration
  - Historical data
  - Customizations
- ✓ *Move and Improve* by migrating to Cloud and Upgrading to Code Current JDE

### LIFECYCLE MANAGEMENT

- ✓ Environment Elasticity (auto-scale resources, servers)
- ✓ Monitor, patch and manage customizations with standard JDE tools
- ✓ Leverage JDE Server Manager Capabilities (REST services)
  - Start/Stop Services
  - Health Checks

# Circle K

## Reduces OPEX costs with JD Edwards on OCI

### Key Drivers

- High number of customizations & high volume of recurring incidents
- Improve system stability
- Reduce maintenance costs & staying code current



### Solution & Results

- EnterpriseOne 9.2 on OCI – Financial Management, Real Estate Management, Manufacturing Management, Distribution & Logistics, Capital Asset Management
- Automation of Procure-to-Pay, Sourcing & Order-to-cash
- Stable log term fixes – 14% decrease in total open incidents YoY and growing
- 48% of super users can solve most or all incidents
- Availability of domains within region for smarter DR
- Reduce OPEX costs in future

*“We chose JD Edwards because we deemed it to be the best solution to automate procure-to-pay, sourcing, order-to-cash, and other essential facets of our operation.”*



# LearnJDE – The JD Edwards Resource Library

Search 'Oracle Cloud Infrastructure' on [www.LearnJDE.com](http://www.LearnJDE.com)

LEARNJDE

Search "Orchestrator"

COLLABORATE20

## LearnJDE: The JD Edwards Resource Library

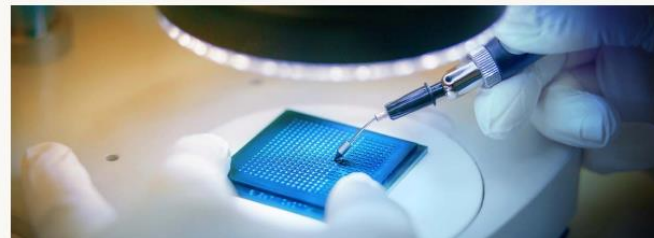
Find JDE content, product documentation and new features

What's New

Why you should Upgrade to EnterpriseOne 9.2

Why Upgrade Roadmap Announcements

- What's New
- User Experience
- Digital Transformation
- Operational Simplification



**Thank You!**

