

ORACLE

Move and Modernize Oracle Apps on OCI

Modernize your apps on a second-generation cloud



Alexandre Fagundes

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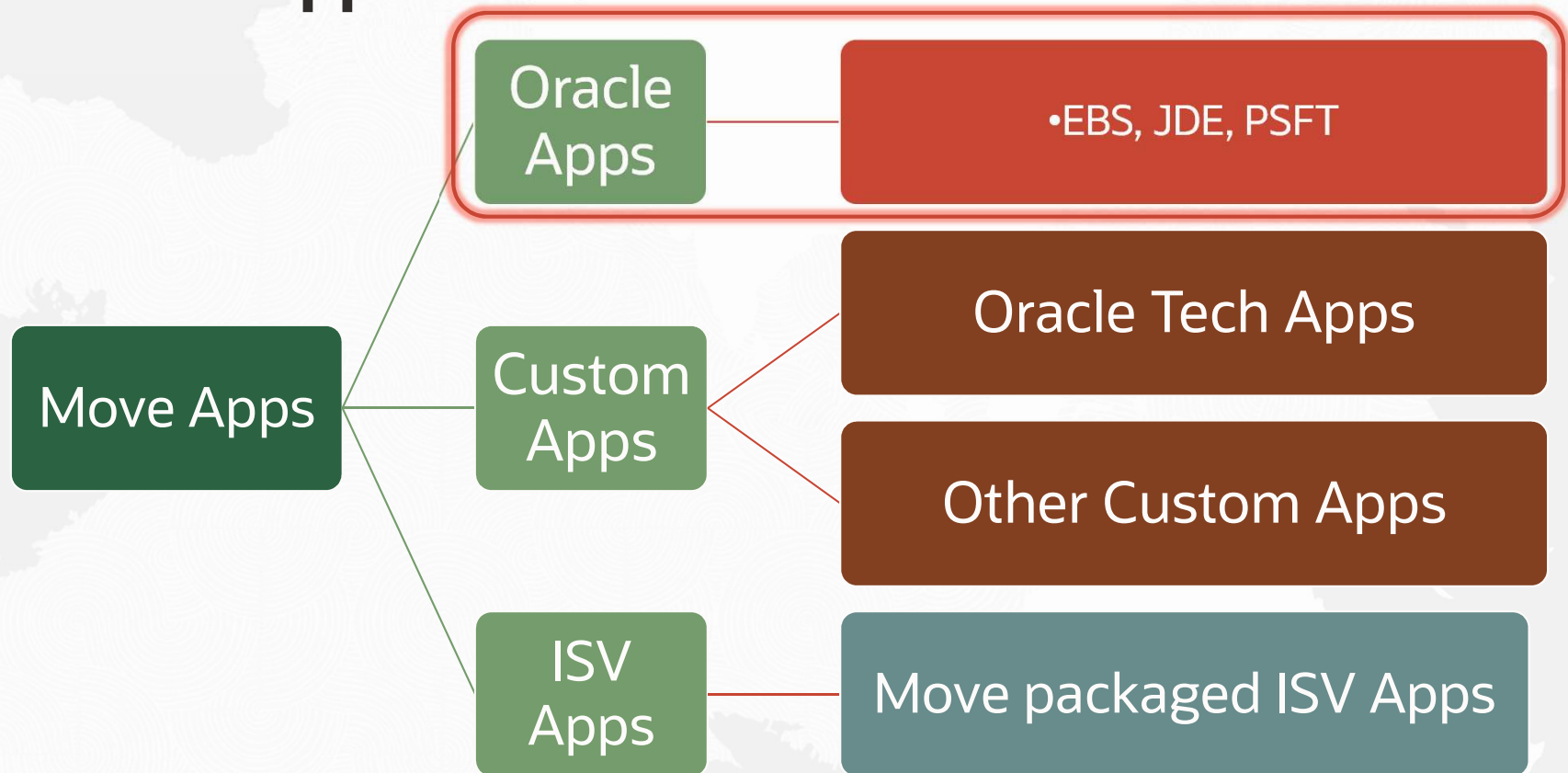


Safe harbor statement

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, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.



Move Oracle Apps to OCI



Oracle Packaged Apps - Premier Support

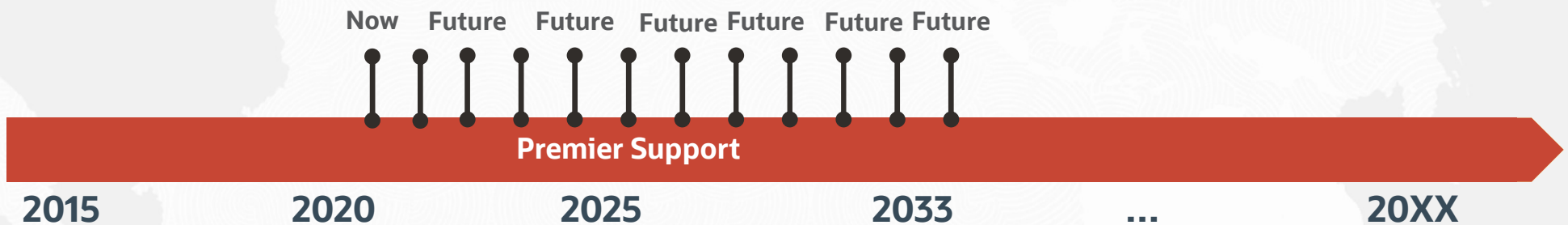
Premier Support extended through at least 2033

No plans to end investment or support

Premier Support “through at least” till 2033

Rolling 10+ years of Premier Support

Enabling customers to **confidently** maximize and expand their existing Oracle application investments with ample time for future planning based on Oracle’s **commitment** to support its existing applications via a **stable** and **predictable long term** support policy.



At Least a Decade of Oracle Premier Support

Oracle Packaged Apps - Premier Support

Oracle Packaged Apps is Oracle's commitment to continuous innovation while also providing a commitment to offer Oracle Premier Support through at least 2033.

Oracle Packaged Apps includes:

- Oracle E-Business Suite (EBS)
- JD Edwards EnterpriseOne (JDE)
- PeopleSoft
- Siebel and
- Hyperion

Commitment to Customers

- Oracle Premier Support through at least 2033

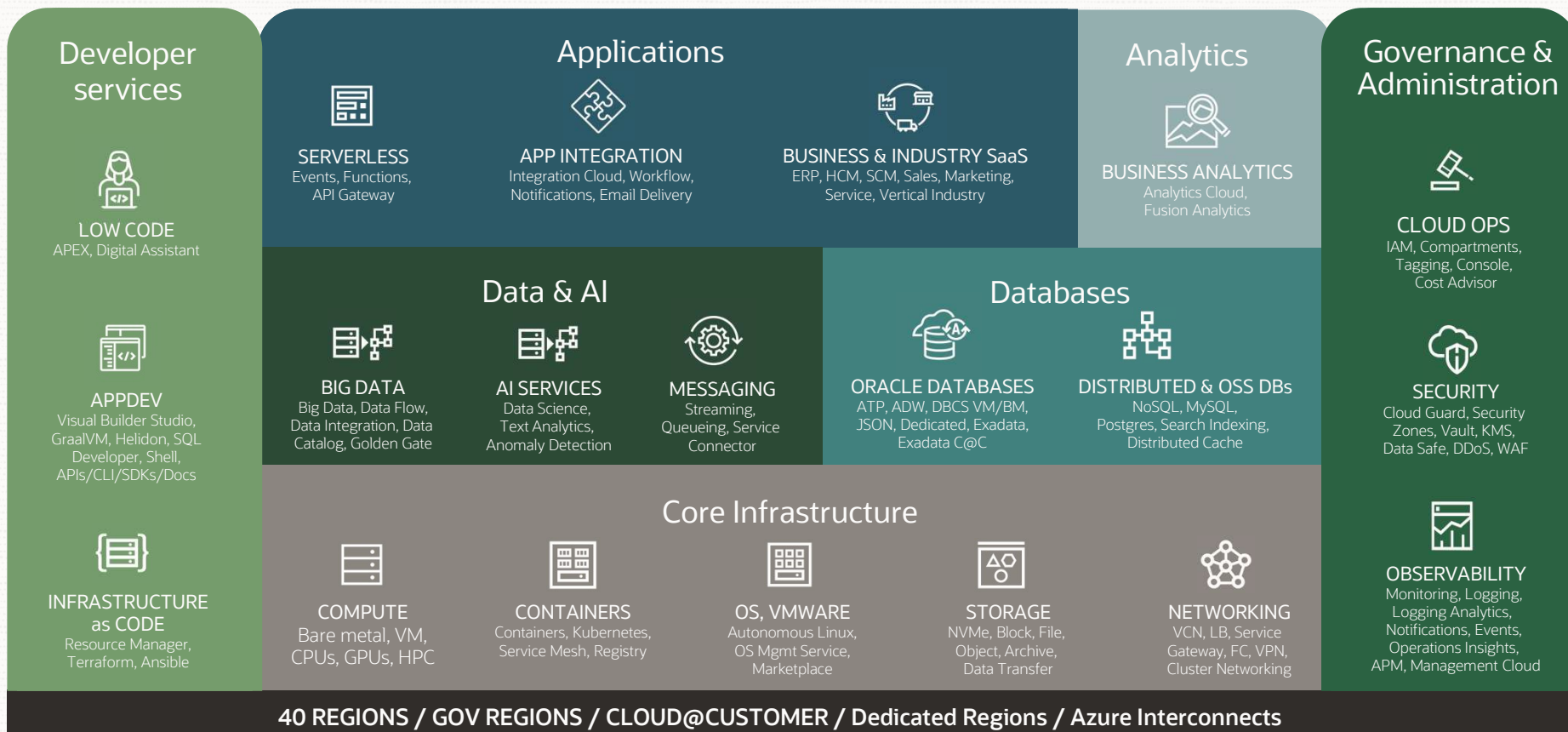
Commitment to Innovation

- Receive ongoing new features
- Run same application on-premises or in Oracle Cloud Infrastructure (OCI)

Commitment to Product

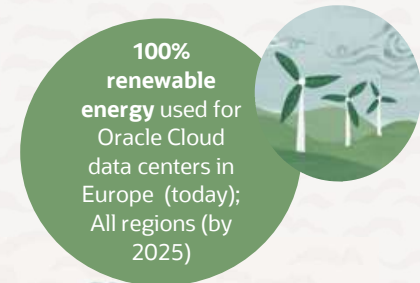
- Transparent product roadmap
- Ongoing R&D investment Key Benefits
- Gain peace of mind with no surprises
- New features without upgrades
- No forced migrations
- Ample time for future planning
- budgeting and allocating resources
- Tailor to your enterprise's business and IT strategies
- Get more value from existing application enhancements

OCI: A complete Cloud Infrastructure Platform



OCI Regions – Global Footprint

September 2022: Global: 40 Regions Live



- Same Architecture
- Same Services
- Same Prices



OCI: A Comprehensive Deployment Choice



Oracle Public Regions

40 cloud regions. Dual region in country to support DR use case.



Dedicated Regions

All OCI services, running in your data centers



Exadata Cloud@Customer

OCI Database Cloud Services, running in your data center



Roving Edge Infrastructure

OCI compute and storage for remote, disconnected use



Microsoft Azure Interconnect

Pre-built low-latency interconnect. Ready for multi-cloud use case.



Oracle Cloud VMware Solution

Native VMware on OCI. New workload, DR or DC exit use case.






Support Cloud, Edge, On Premises & Multi-Cloud Computing Scenarios



OCI Advantage

Comprehensive Regional, Global & Industry Compliance

REGIONAL

Australia		<ul style="list-style-type: none"> IRAP APRA Certified Strategic (DTA)
India		<ul style="list-style-type: none"> MeitY RBI/IRDAI
Singapore		<ul style="list-style-type: none"> MTCS MAS TRM ABS
South Korea		<ul style="list-style-type: none"> FSI ISMS
Japan		<ul style="list-style-type: none"> ISMAP FISC NISC Three Ministries My Number Act

GLOBAL



SOC 1 : SOC 2 : SOC 3



9001 : 27001 : 27017 :
27018 : 27701: 20000-1
















Level 2
CSA STAR









[Read More](#)

INDUSTRY

Government

 MeitY [India]	 IRAP [Australia]	 NISC [Japan]
 K-ISMS [Korea]	 My Number [Japan]	 Singapore MTCS
 DoD DISA SRG IL5	 JAB P-ATO	 G-Cloud 12
 Cyber Essentials Plus [UK]	 CJIS	 NIST
	 Canada Protected B	

Financial

 PCI DSS – Level 1	 FISC [Japan]
 RBI Guidelines [India]	 APRA CPS 231, SPS 231, HPS 231 [Australia]
 ABS Guide [Singapore]	 MAS Guidelines [Singapore]
 IRDAI /5/142/2017 [India]	 EBA

Others

 HIPAA	 HITRUST CSF
 TISAX	 GxP



Why Oracle Packaged Apps Customers are choosing OCI

- 1 Far easier to migrate critical enterprise applications
- 2 Superior price-performance
- 3 Autonomous services make it far easier to manage security, performance, and scalability
- 4 The most complete support for hybrid cloud strategies
- 5 Security that's built in, on by default, at no extra charge
- 6 All the services developers need to build cloud-native applications



Oracle Packaged Apps Migration Options to OCI



DIY – Do It Yourself

Use Your Own Resources & (Our) Tools

Use reference architecture to plan and execute the migration to OCI with your own resources.

[Read More](#)
- EBS

[Read More](#)
- PSFT

[Read More](#)
- JDE

[Read More](#)
- Siebel



OCI Accelerators Assisted (Cloud Manager / OCP)

Use Free OCI Tooling for Packaged Apps

Migration and lifecycle management tasks, such as provisioning & backups for EBS, PeopleSoft, JDE and Siebel.

[Read More](#)
- EBS

[Read More](#)
- PSFT

[Read More](#)
- JDE



Expert Services Assisted

Leverage Oracle or Partner Services

Migration and application management delivered by Oracle or through a partner organization.



OCI Cloud Lift Services Assisted

Faster migration with OCI Cloud Lift Services

Get guidance from Oracle cloud engineers on all aspects of cloud migrations.

[Read More](#)

Oracle Cloud Lift Services

Included with your Cloud Agreement to accelerate onboarding and success

A comprehensive cloud solution includes infrastructure, software, processes, and people

Oracle Packaged Applications

E-Business Suite, JD Edwards, PeopleSoft, Siebel, Hyperion, and others

Custom Apps on Oracle Database

Custom applications built on an Oracle database or Exadata

HPC

High performance computing applications

Cloud Native Applications

Cloud Native integration including OKE, Oracle Data Science, Steaming, Functions, etc.

VMware

Oracle Cloud VMware Solution

Data Warehouse & Analytics

Oracle Data Warehouse, Oracle Analytics Cloud, or 3rd party analytics workloads

A dedicated group of Oracle Cloud experts will assist you from planning through go-live activities, accelerating your time to value and enabling your staff to focus on innovation.



Oracle Cloud Infrastructure – Database Migration

Fully managed, easy to use database migrations into Oracle Cloud

Database Migrations

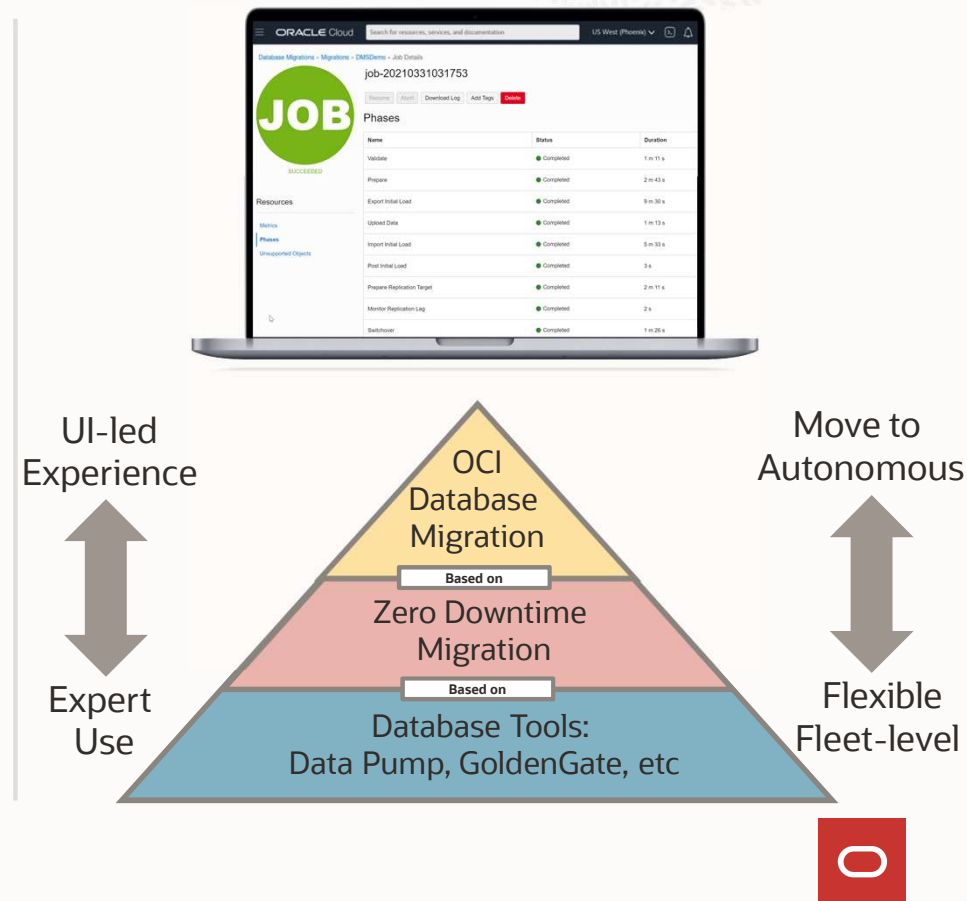
- Reduce cost and improve performance in Oracle Cloud
- Migrate databases, free for 6 months per migration

Core Use Cases

- Machine-assisted migrations for Oracle Databases, Data Marts and Data Warehouses into Oracle Cloud

Differentiated Use Cases

- Simplifies underlying technologies and resources
- Logical Offline and Online Migrations
- Schema/Metadata Migration
- Based on enterprise-strength Oracle tools Zero Downtime Migration, GoldenGate, and Data Pump



Pricing: DMS is FREE for all common use cases

Included:

- DMS cloud service/software that operates the migration
- On-premises agent, ZDM for optional use cases
- OCI managed infrastructure that DMS runs on
- GoldenGate Marketplace license for DMS migration

Not included:

- Customer managed OCI resources used for DMS operation:
 - *compute used for GoldenGate, Object Store, Oracle Stream Service*
- FastConnect or other on-premises to cloud network connectivity
- Source or target database service costs

Exceptions:

- Migrations that run more than 183 days(6 months) after they have been created
- Migrations running for more than 60 days idle (no data transferred)
- Billing starts after time limits have been exceeded with \$0.20 / hour per migration



Get more from your existing systems and data



Multicloud capabilities

Oracle Azure Interconnect

Enables low latency access to both clouds as one for all your workloads

Portability

Strong support for open standards like Terraform, Kafka, Docker



Built-in security

Cloud Guard

Quickly/continuously monitor & report on security posture at no extra cost

Security Zones

Easily enforce maximum infrastructure security with all your applications



Insights and visualizations

Analytics Cloud

Enable self-service access to data analytics across all your apps in the cloud

Observability and Management

Visibility and rapid insights across all layers of the stack



New application use cases

Integration Cloud

Migrate/build integrations to a broad ecosystem of SaaS & other applications

API Gateway

Securely serve and manage APIs for external or internal customers

Customer examples



Built-in security

Oracle Cloud Guard helps to monitor their security posture – including their E-Business Suite implementation – and enables continuous improvement

[Read the story](#)

Insights & visualizations

Leveraged Oracle Observability & Management to monitor the user digital experience with applications like Oracle PeopleSoft

[Watch the story](#)

New app use cases

Navitas can now integrate other applications with Oracle E-Business Suite, and access new services to facilitate data capture and data visualization

[Read the story](#)

Gain speed and efficiency at your own pace



Increased efficiency

Autonomous services

Automate database and Linux tasks & improve operational efficiency with ML

Infrastructure-as-Code

Improve DevOps productivity with open standard Terraform



Greater agility

DevOps

Streamline your software deployment process

Containers*

Reduce the time and cost to deploy modern applications



Smarter Apps

Digital Assistant and AI services

Enhance user experience and drive innovation with pre-built services

Machine Learning

Services for data scientists to collaboratively build, manage and deploy ML models



Connected business processes

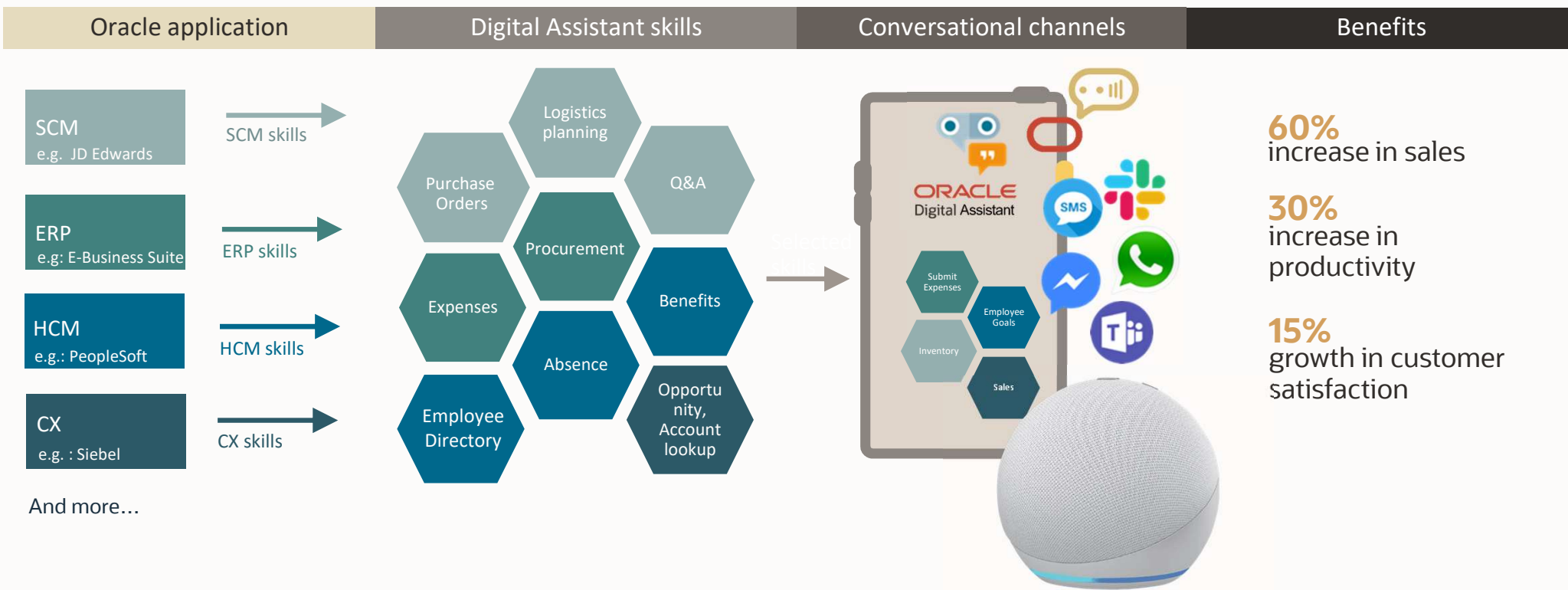
Oracle Cloud Apps

Leverage a suite of Oracle SaaS applications that integrate with your packaged apps

Oracle Blockchain Platform Cloud Service

Share immutable, trusted data w/ multiple parties

Oracle Digital Assistant: AI-powered interface for Oracle apps



Customer examples



Smarter apps

Oracle Digital Assistant provides employees with chatbot functionality that integrates with their E-Business Suite application

[Read the story](#)

Greater efficiency

Leverages E-Business Suite with Autonomous Database on OCI for advanced analytics & machine learning – with no database administration

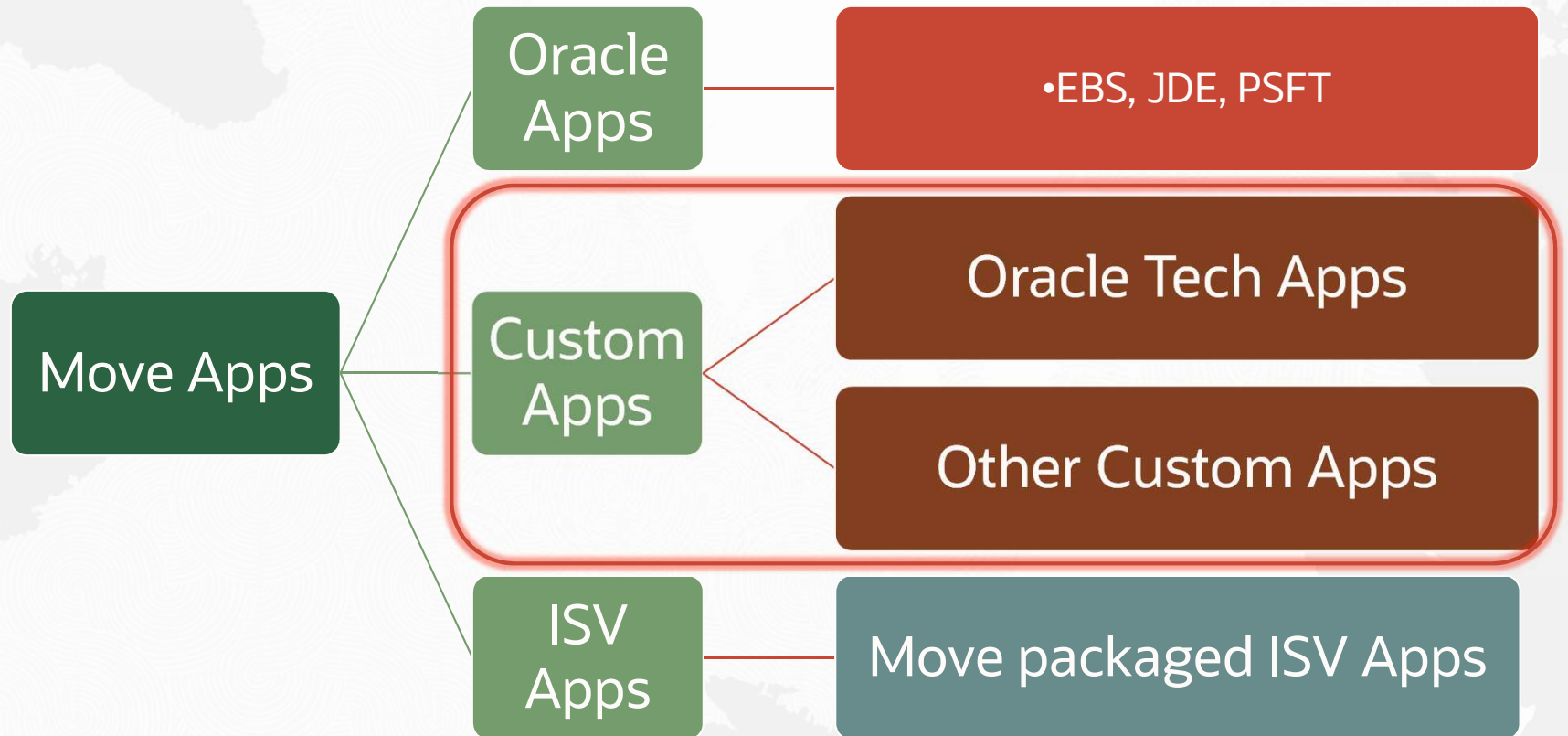
[Read the story](#)

Connected business processes

Oracle Warehouse Management & Transportation Management cloud apps integrate with their Oracle packaged apps and streamline operations

[Read the story](#)

Move Custom Apps to OCI



Why Move Custom Applications to the Cloud?

General

- Increase agility/flexibility and automation
- Improve performance and scalability
- Move to OPEX and pay for only what you use
- Reduce overall costs
- Improve security and availability
- SaaS is the future

Custom App Specific

- Modernize older applications
- Better support frequent application changes
- Better integration to new or existing services
- Hosting provider problems
- Hardware infrastructure is aging
- High admin costs

Three Cloud Strategies for Migration/Modernization

Move

Move application “As Is” / Update infrastructure

*Move complete VMs
to the cloud
(e.g., KVM,
VMware)*

*Consolidate compute,
storage, databases*

Use Flex infrastructure

Rehost

Improve

Upgrade software / increase automation

*Improve by updating
architecture to add performance,
security, add automation,
leverage managed services,
Autonomous DB,
upgrade software*

Replatform

Modernize or New

Shift to New Technology or Add Functionality

*Move and rewrite to containerize
with Docker and
Kubernetes, run on Oracle
Container Engine, App Dev
in the cloud, add new
functionality like mobile, ML*

Refactor

Types of Custom Apps to consider moving to OCI

Leveraging Managed services, unique infrastructure and automation

Oracle Based Custom Apps

App Tier: WebLogic (Java EE)
DB: Oracle DB, MySQL, JSON DB

- DB Managed services
- Improved Productivity
- Java custodian
- WebLogic - OCI VM or OKE
- Price Performance
- BYOL/UCM choice

Other Custom Apps

Apps: Java, PHP, Python, Go, NodeJS
DB: Any DB (Oracle or Non-Oracle)

- Price performance
- Support for OSS, BYOS
- Open Source
- Lower cost
- No Vendor lock-in
- OCI benefits



Running Oracle Based Applications on OCI

WebLogic (Java) Apps

App Tier: WebLogic (Java EE)
DB: Oracle DB, MySQL

- DB Managed services choice
- Improved Productivity
- Java custodian
- WebLogic - OCI VM or OKE
- Price Performance
- BYOL/UCM choice

Options

Multiple options and flexibility

- **Rehost**
 - Get the benefits of OCI
 - Minimize effort and risk
- **Re-platform**
 - Automation + Managed Services
 - Flexible license options
- **Re-factor**
 - Modernize using containers
 - Elastic scaling, self-repairing



- Marketing services company with 4,000 employees and \$1B in annual revenue
- Migrated 27 apps (custom apps running on Oracle WebLogic & Database, E-Business Suite) from on-premises to Oracle Cloud
- Improved performance for back-office workloads by 10X
- Concurrent financial processes that used to take 2 hours now take 10 minutes



Running Other Custom Applications on OCI

Any Custom App

App: Java, PHP, Python, Go, NodeJS
DB: Any DB (Oracle or non-Oracle)

- Price performance
- Support for OSS, BYOS
- Oracle DB Managed services
- Open Source
- Lower cost
- No Vendor lock-in
- OCI benefits

Options

Multiple options and flexibility

- **Rehost**
 - Get the benefits of OCI
 - No re-architecture
- **Re-platform**
 - Automation
 - Scalability
- **Re-factor**
 - Modernize using containers
 - Elastic scaling, self-repairing



- Large private university in Spokane,
- Migrated Ellucian Banner, a third-party application, and Oracle Database to OCI
- Provisioned new servers in minutes vs. weeks
- Enhanced performance of running on bare metal servers in the cloud
- ~25% savings by switching to OCI
- Deployments take 75% less time than they would on-premises



What Cloud Infrastructure Capabilities Matter Most?

OCI - designed for both Cloud Native & VM based Applications



High-Performance Flexible Infrastructure

- Virtual Machines
 - Flexible CPU and Memory
- Bare Metal instances
 - Max Performance & consolidation
 - RDMA Networking
- Performance, availability, and manageability SLAs



Automation & Integration

- Autonomous Database & Linux
- Infrastructure as a Code
- Managed Platform Services
- Oracle Integration Cloud
 - SaaS to on-premises
 - Prebuilt adapters & recipes
- SOA – BYOL and UCM



Cloud, Hybrid Deployment Choices

- Public Cloud
 - Bare metal, container engine, Database services
- Government Cloud
 - US and UK
- Cloud @ Customer
 - Exadata Cloud @ Customer
 - Dedicated Region
- Oracle Cloud VMware Solution
- OCI – Azure Interconnect



Improved Observability

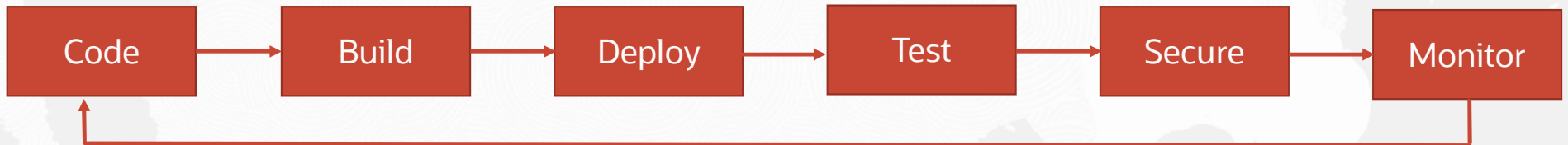
- Visibility across cloud and on-prem
- Open and interoperable
- ML-based rapid troubleshooting
- Predictive and preventative analytics
- Real-user experience monitoring

Move and Modernize Development using DevOps on OCI

Any Language, Any Framework



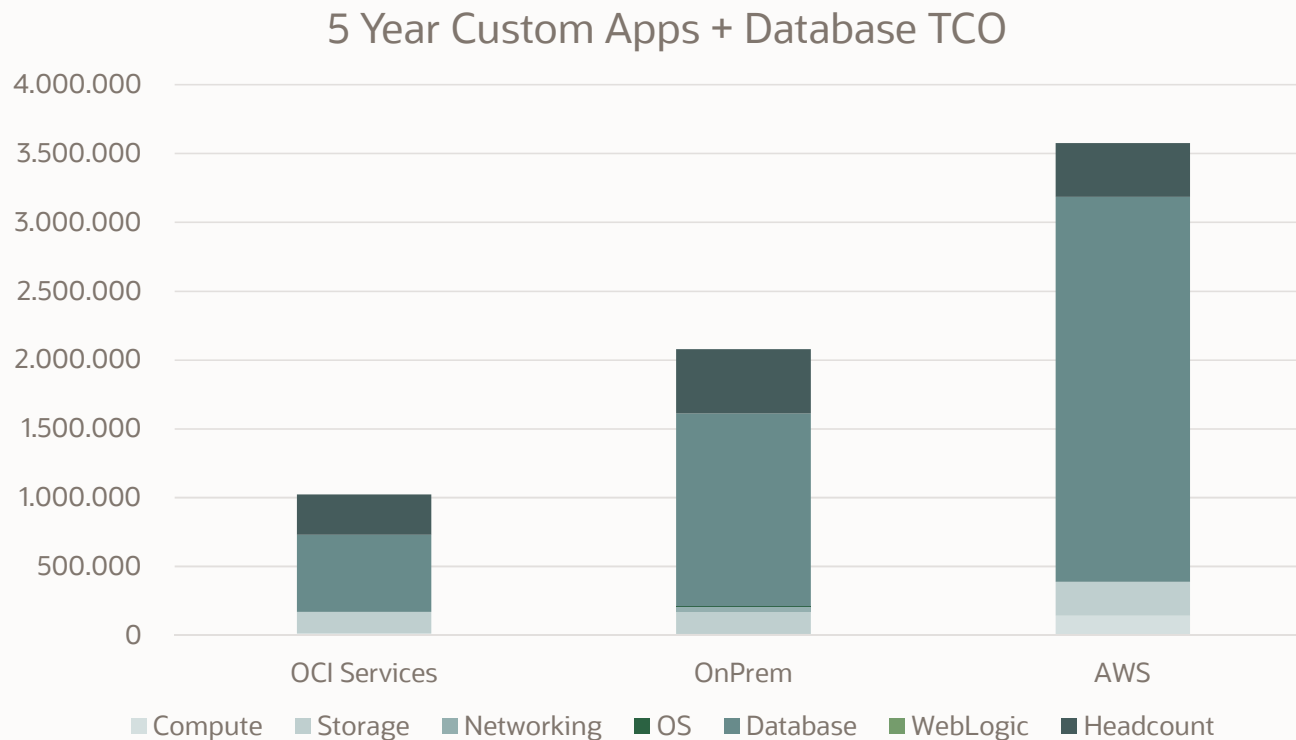
Software Development Lifecycle



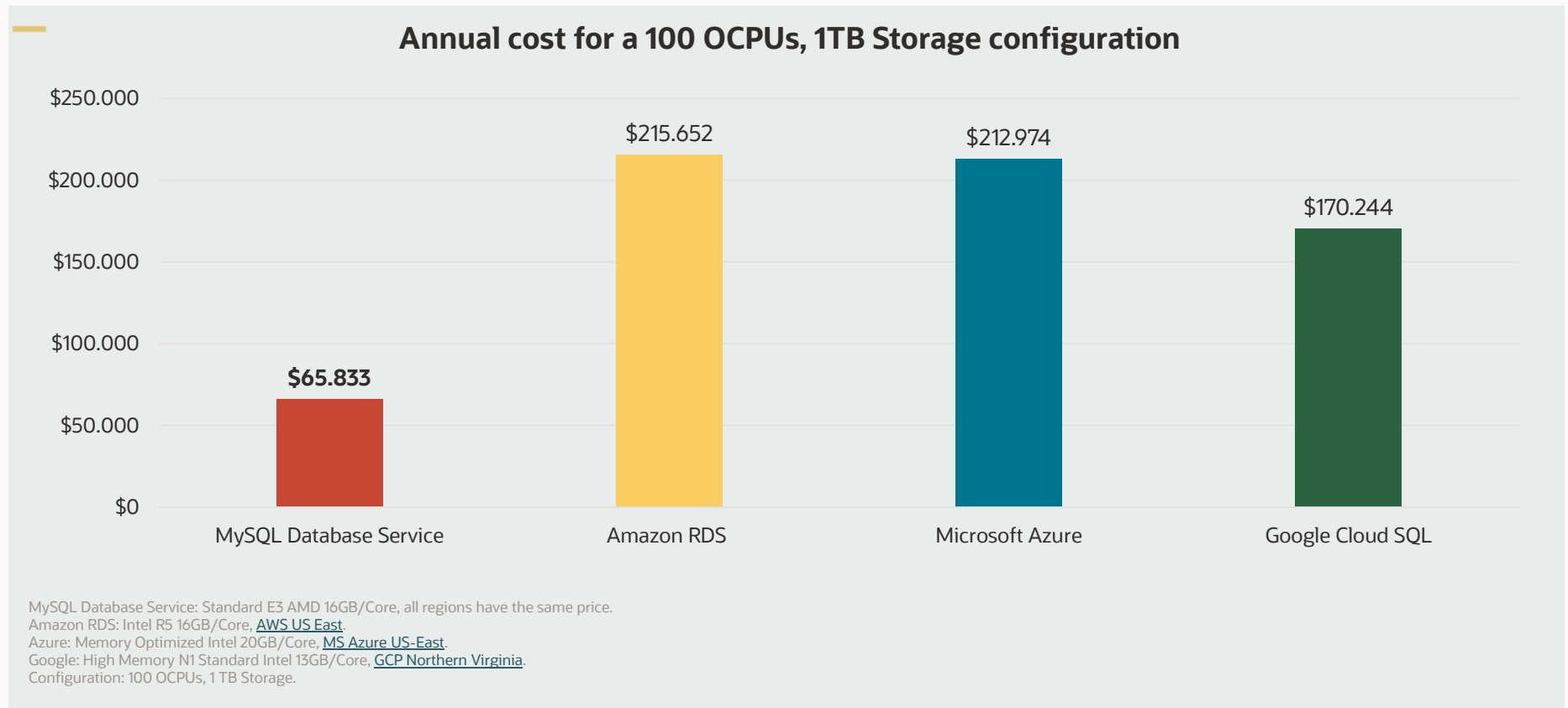
Ensuring Financial and Performance Benefits

Move Custom Apps and Oracle Database to OCI - 5 Year TCO*

OCI is 51% less than On-Premises, and 71% less than AWS



OCI MySQL Database Service costs less



Complete your migration with peace of mind

Maximize TCO & minimize risk with these business benefits – only from OCI



Flexible Licensing & Infrastructure

- **Bring Your Own License**
 - BYOL from on-prem to OCI
- **Flexible Infrastructure**
 - Right size your VMs for CPU/Memory
 - Flexible Load balancing
- **Universal Credits**
 - Commit to an annual amount that can be applied to IaaS and PaaS services
 - Predictability of spend



Strong SLAs & No Re-Architecture

- **No Re-Architecture**
 - Application and data move as-is
 - Keep customizations integrations
 - No retraining require
 - Fastest path to cloud
- **Availability, Performance, & Manageability SLAs**
 - With high-availability compute, block volume, object storage, and FastConnect services
 - The first cloud vendor to guarantee performance



Cloud Lift + Consulting Services

- **Cloud Lift Services**
 - Dedicated resources to migrate workloads at no cost
 - Support from planning to go-live
 - Oracle and non-Oracle workloads
- **Included with your Cloud Agreement to accelerate onboarding and success**
- **Support**
 - Oracle Linux and Java support included on OCI

What Blueprints Can I Follow to Ensure Success?

Oracle Cloud Infrastructure Reference Architectures

Access to OCI best practices framework

Get Top Oracle Cloud Infrastructure
reference architectures

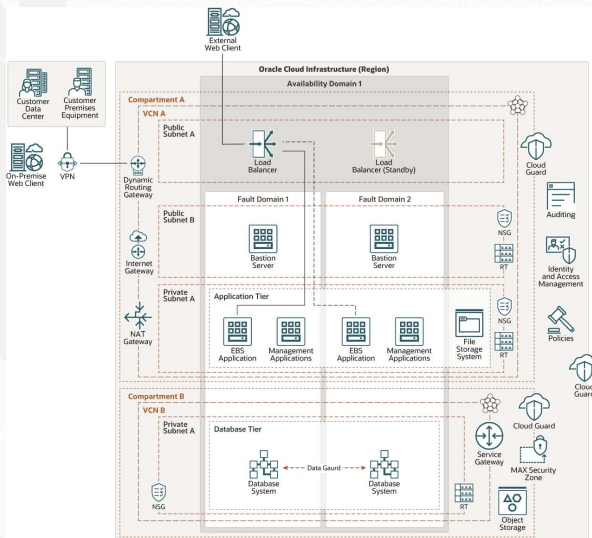


Image: Deploy E-Business Suite in OCI


Access OCI reference architecture
(<https://www.oracle.com/cloud/architecture-center/>) for:

- Cloud best practices including availability, performance, security, and costs
- Access to OCI best practices framework
- Migration automation to OCI
- Latest deployments updates from customers and partners who are using OCI to drive innovation

Automation Available

You can deploy this pattern using downloadable code or automated provisioning, as described in the Download or Deploy section.

[Learn more](#)



 Deploy to Oracle Cloud

 Go to GitHub

Custom Apps Reference Architecture Examples

 + 
Microservices + **kubernetes**

 **spring** + 
spring + **MySQL**

 + 
ORACLE
WEBLOGIC SERVER + **kubernetes**

 + 
Apache Tomcat + **MySQL**


WebSphere
Application Server

+ 
ORACLE
Cloud Infrastructure

 + 
CLOUDERA + **ORACLE**
Cloud Infrastructure

 **docker** + 
docker + **kubernetes**

Move Custom Applications Resources

Next Steps

- Try the [Oracle Cloud Free Tier](#)
- Watch this [Move Custom Overview Video](#)
- Try a [Move Custom Application lab](#)

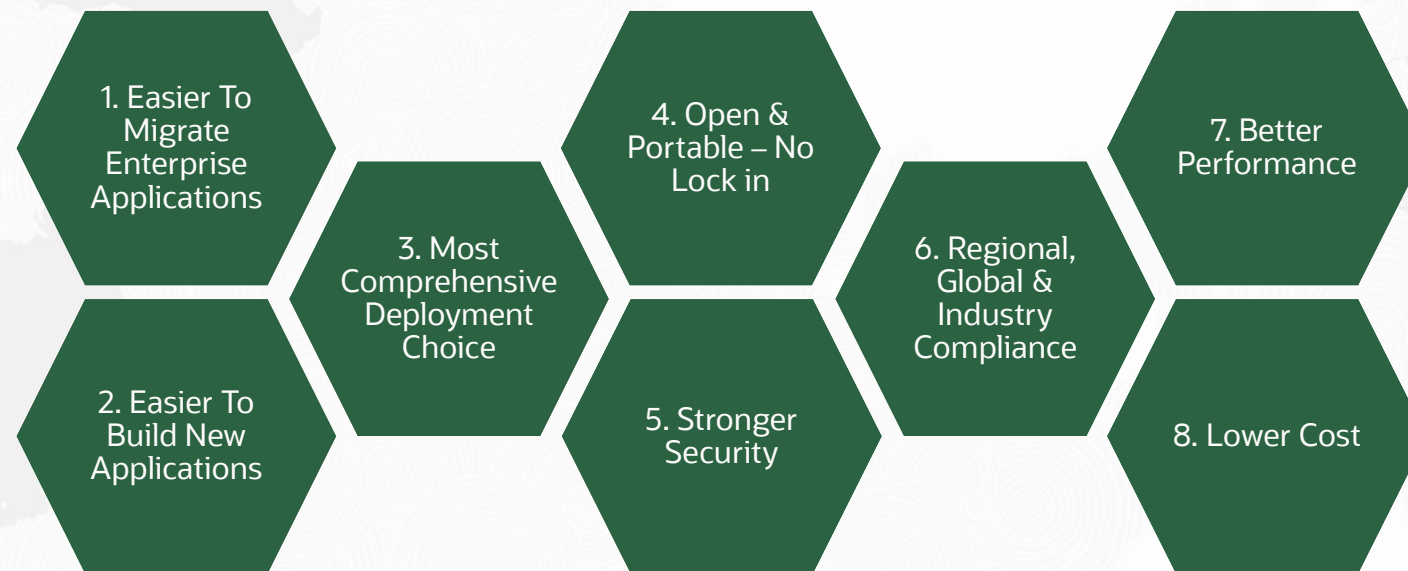
Resources

- [Oracle Cloud Infrastructure Documentation](#)
- [Migrating Custom Applications Docs](#)
- [Reference Architectures](#)
- [Oracle Database Cloud Migration Solutions](#)

Videos:

- [Migrating from Amazon RDS to Oracle MySQL Database Service](#)
- [Migrate MySQL from On Premise to MySQL Database Service](#)
- [Running WordPress with Oracle MySQL Database Service](#)
- [Running Drupal with Oracle MySQL Database Service](#)

Why OCI ?



Read More:
oracle.com/cloud/why-oci/



ORACLE

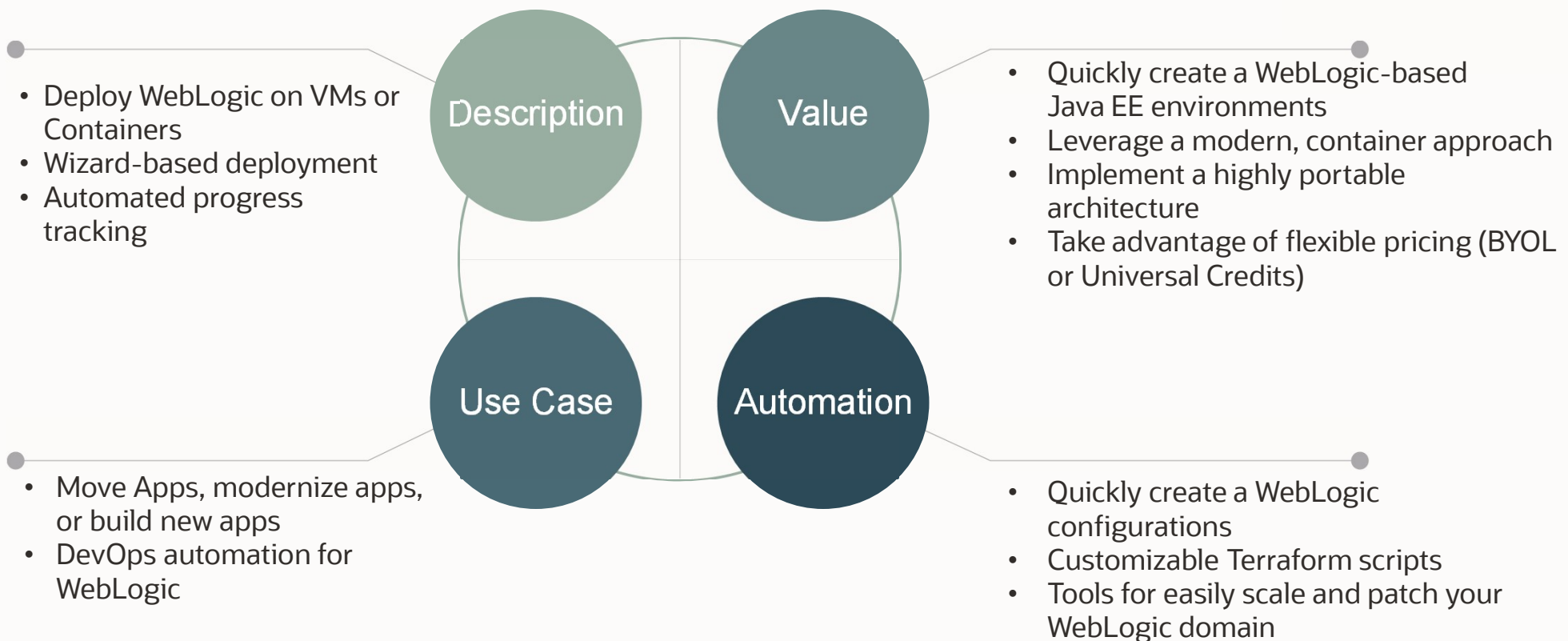
Thank You!



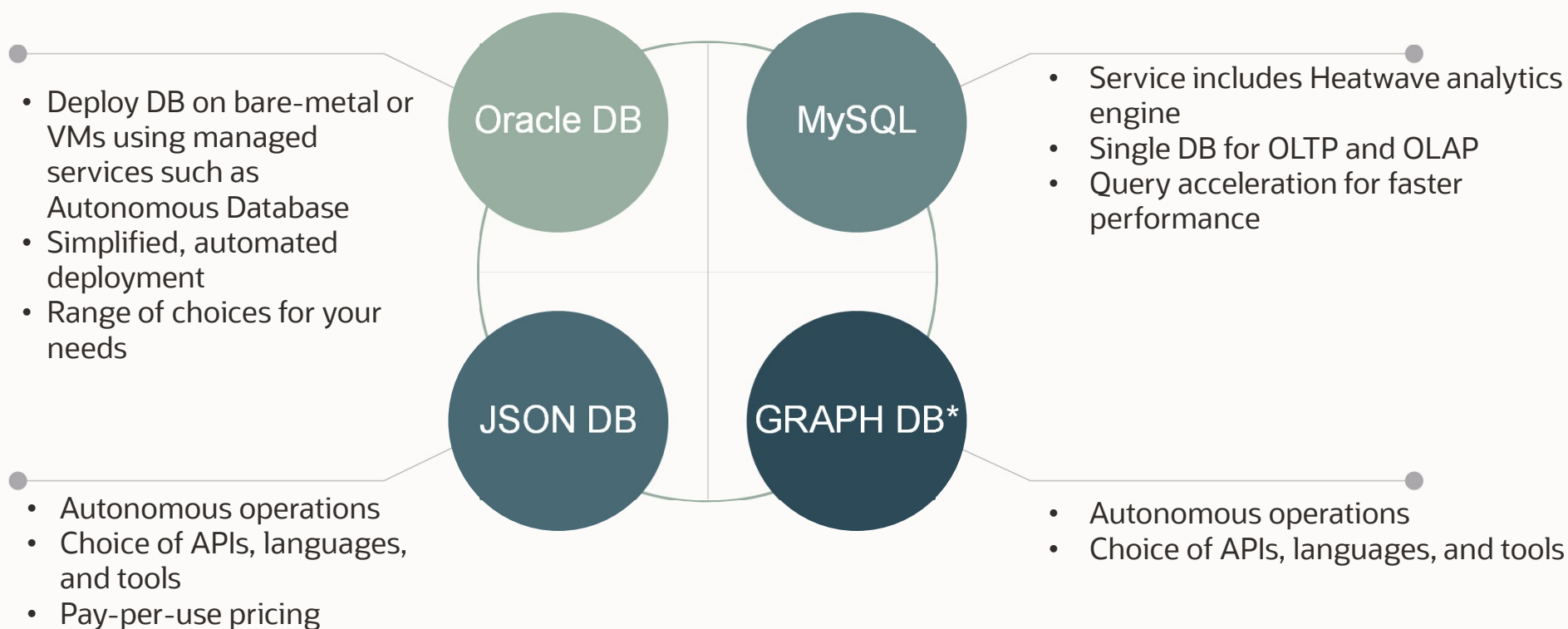
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Cloud Architect | Oracle Latin America



WebLogic on OCI



Database Management Services



* coming soon



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