

Move & Modernize Legacy Apps

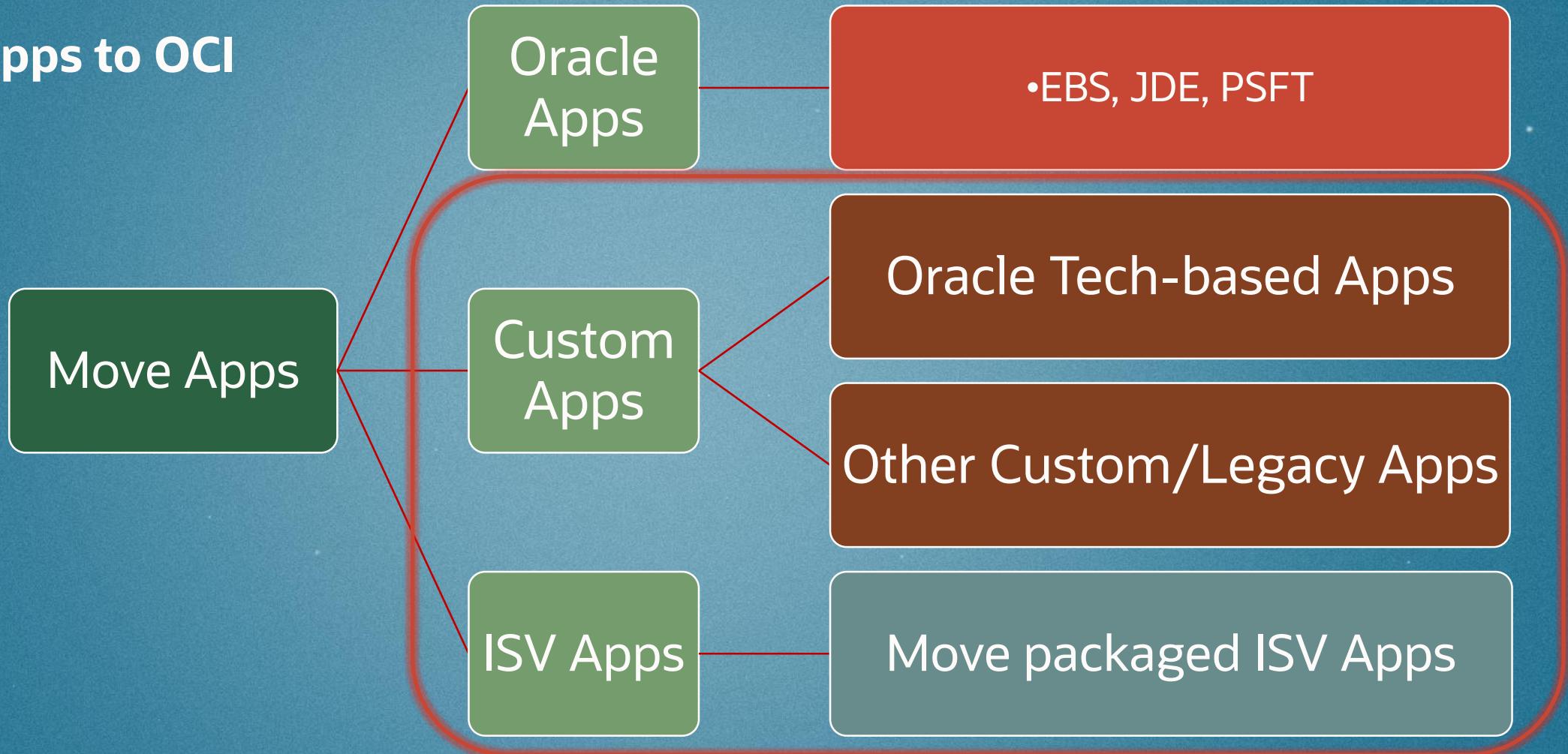
Modernize your apps on Oracle Cloud

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Move Apps to OCI



Partner *Experience*

Improve Collaboration

- Why Move Legacy Applications to the Cloud?
- What Custom Applications are a Good Fit?
- What Cloud Infrastructure Capabilities Matter Most?
- How Can I Ensure Financial and Performance Benefits?
- What Blueprints Can I Follow to Ensure Success?



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/Legacy 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 Legacy 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 Third-party Apps

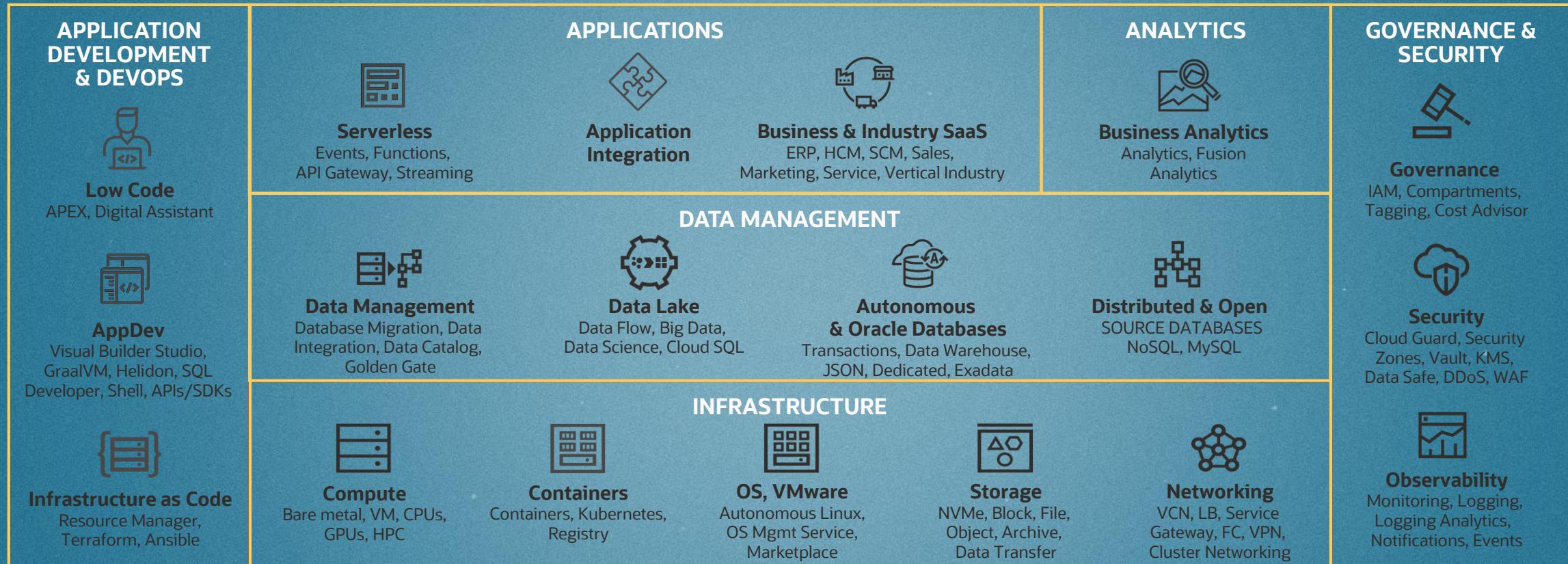
Apps: Java, PHP, Python, Go, NodeJS
DB: Any DB (Oracle or Non-Oracle)

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

What Cloud Infrastructure Capabilities Matter Most?



Oracle Cloud - Comprehensive Services for Dev and Deploy



COMMERCIAL REGIONS / GOV REGIONS / CLOUD@CUSTOMER / MULTICLOUD / EDGE
Implementation, Consulting, and Educational Services + Support

OCI - designed for both Cloud Native & VM based Applications

Leveraging unique infrastructure and tooling



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 & PCA Cloud @ Customer
 - Dedicated Region
- OCI – Azure Interconnect
- Oracle Database Service for Azure



Improved Observability

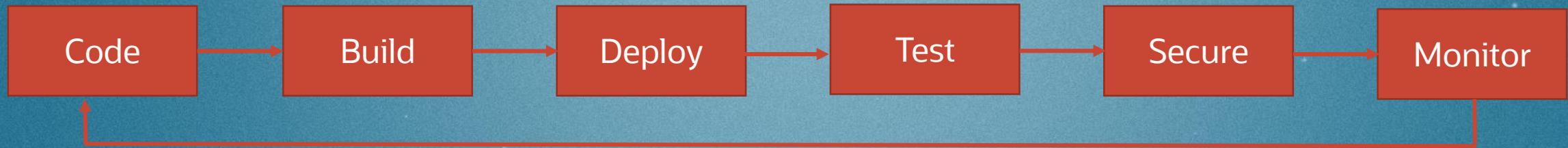
- Visibility across cloud and on-prem
- Open and interoperable
- ML-based rapid troubleshooting
- Predictive and preventative analytics
- Real-user experience monitoring

Move and Modernize Development using DevOps on OCI

Any Language, Any Framework



Software Development Lifecycle

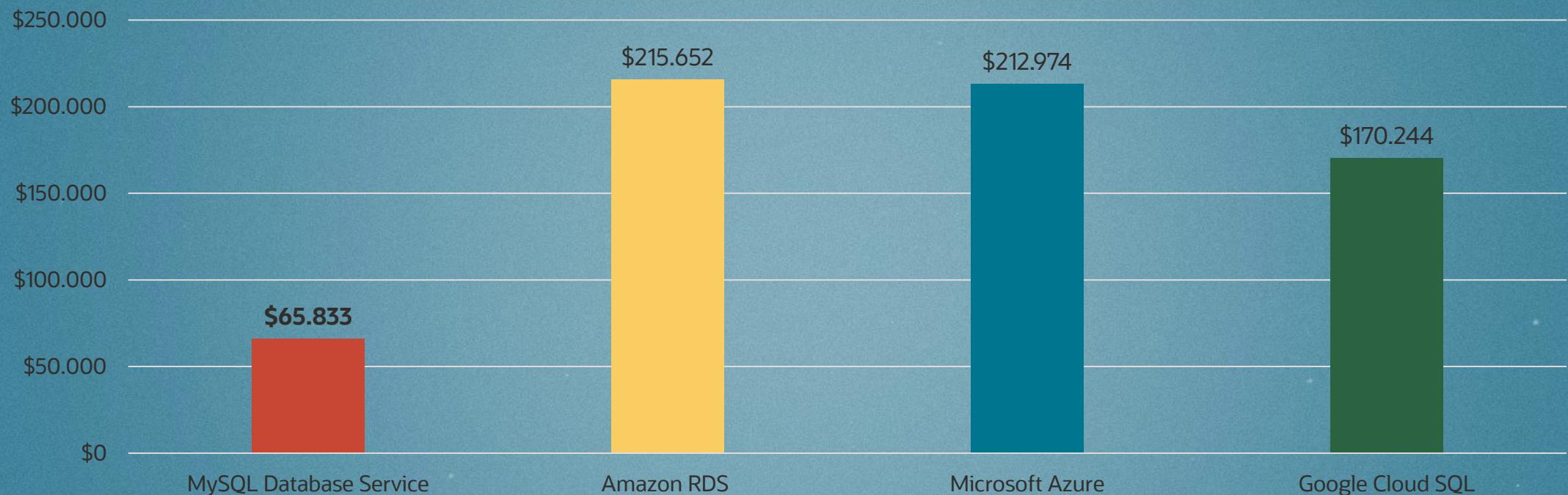


Ensuring Financial and Performance Benefits



OCI MySQL Database Service costs less

Annual cost for a 100 OCPUs, 1TB Storage configuration



MySQL Database Service: Standard E3 AMD 16GB/Core, all regions have the same price.

Amazon RDS: Intel R5 16GB/Core, [AWS US East](#).

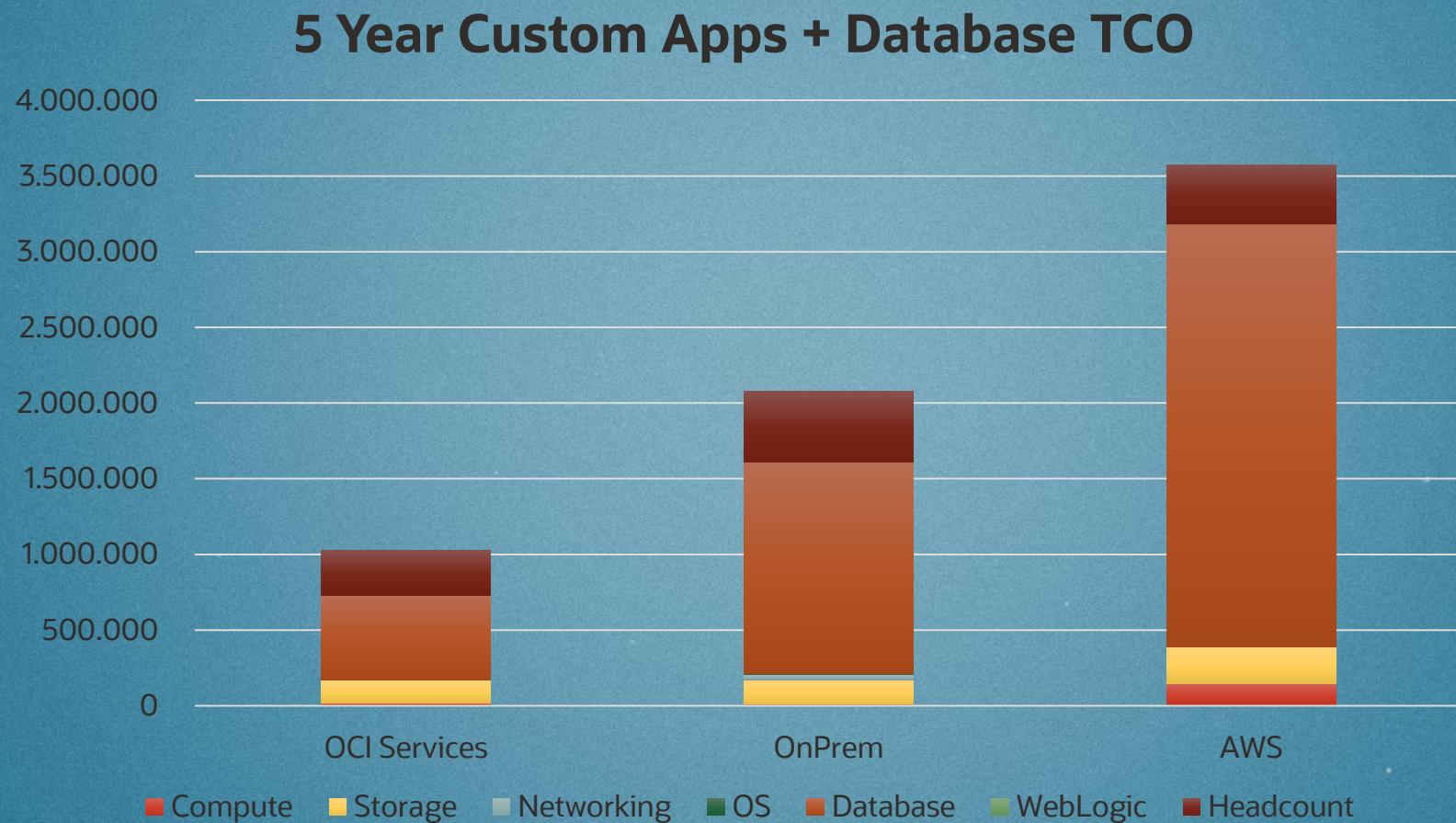
Azure: Memory Optimized Intel 20GB/Core, [MS Azure US-East](#).

Google: High Memory N1 Standard Intel 13GB/Core, [GCP Northern Virginia](#)

Configuration: 100 OCPUs, 1 TB Storage.

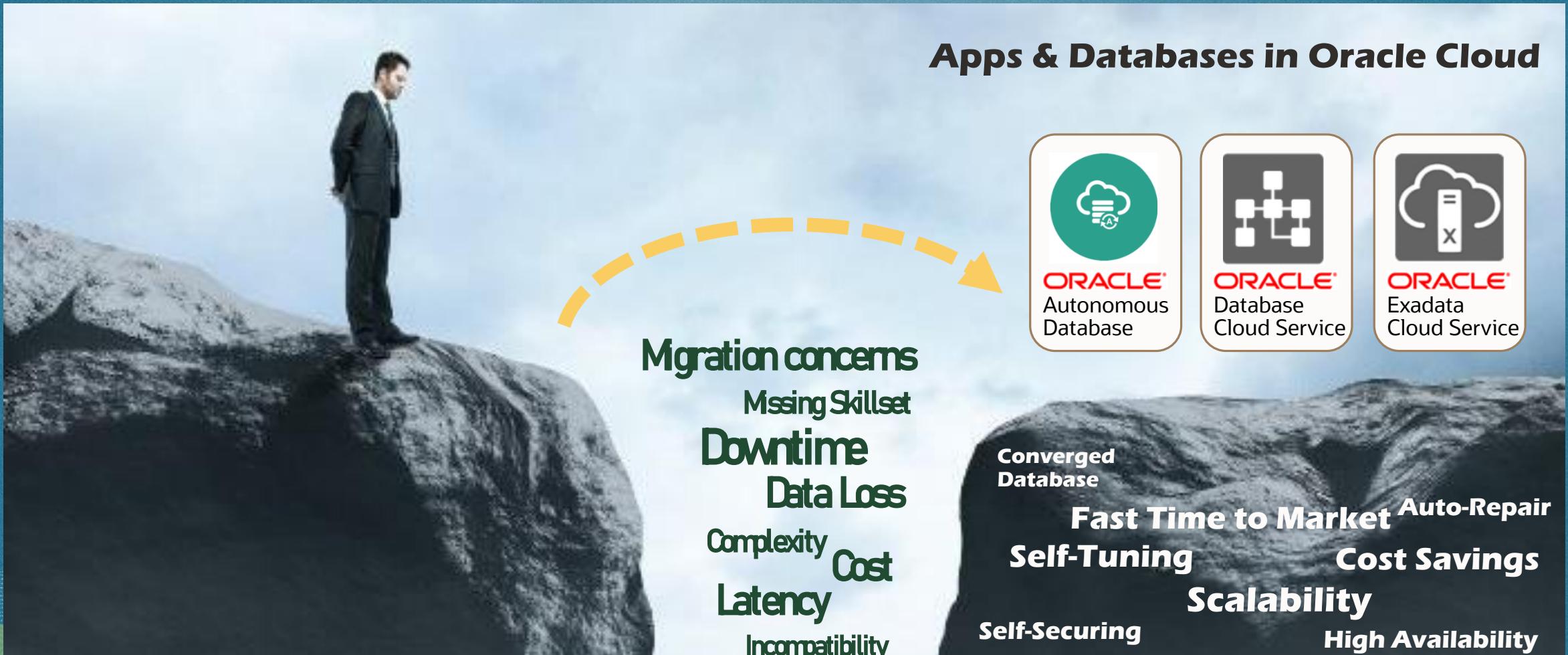
Move Custom 3rd-Party Apps and Oracle Database

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



The future is here in Oracle Cloud

But... how to best get there?



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 required
 - 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

Oracle Cloud Infrastructure – Database Migration

Fully managed, easy to use database migrations into Oracle Cloud

Database Migrations

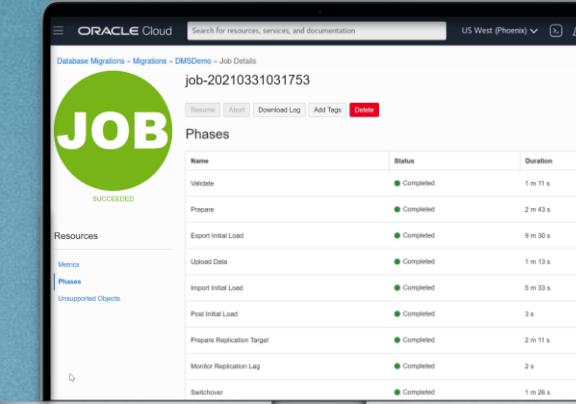
- Reduce cost and improve performance in Oracle Cloud
- Migrate databases, free for 6 months per migration

Core Use Cases

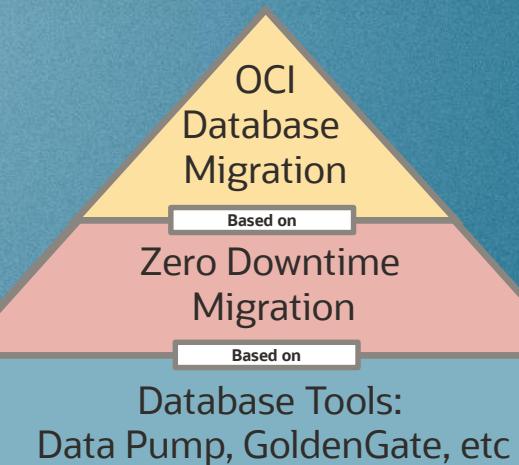
- Machine-assisted migrations for Oracle Databases, Data Marts and Data Warehouses into Oracle Cloud

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



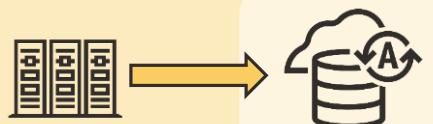
UI-led Experience
↔
Expert Use



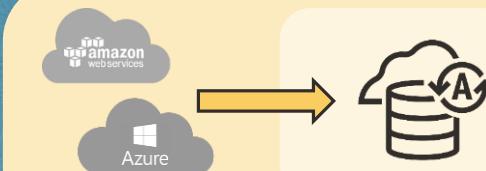
Move to Autonomous
↔
Flexible Fleet-level

OCI Database Migration - Use Cases

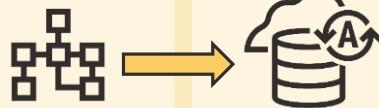
All Source Locations



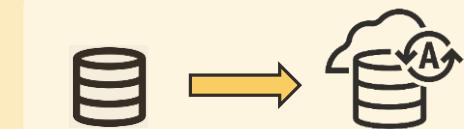
Migrate On-Premises
to OCI Cloud



Migrate Third-party
Cloud to OCI Cloud



Migrate Oracle legacy
cloud to OCI Cloud



Migrate Within OCI
Cloud

With or Without Direct Connection



Offline Migration from behind
firewall using Agent



Offline Migration using
FastConnect/VPN connection



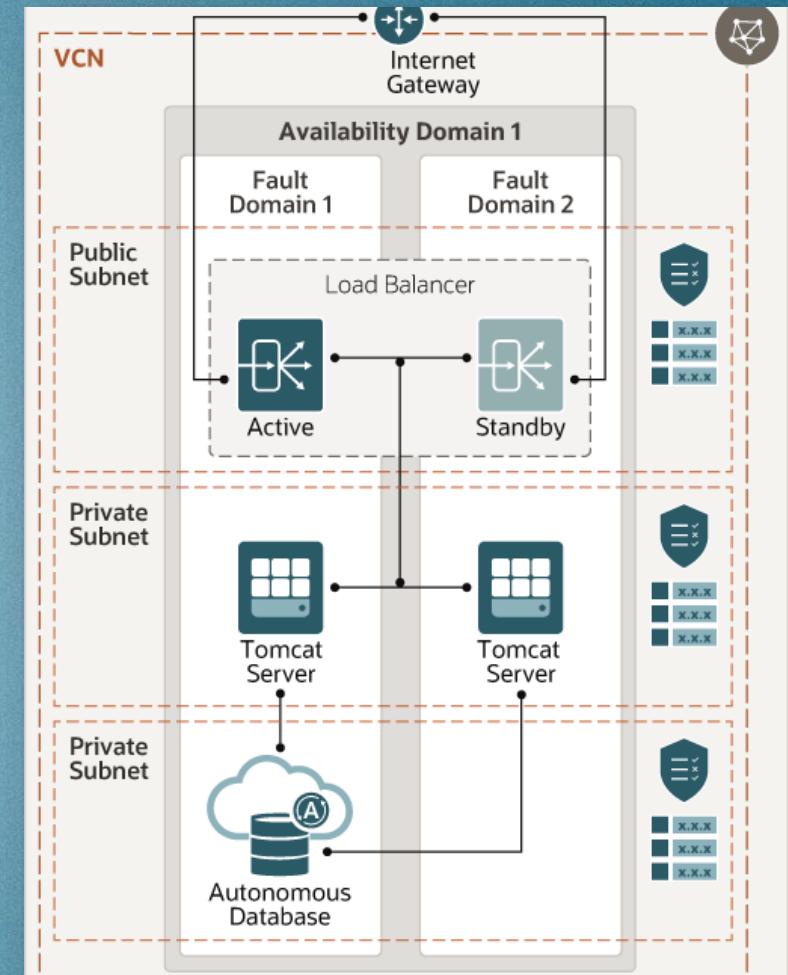
Online Migration using
FastConnect/VPN connection

What Blueprints Can I Follow to Ensure Success?



Oracle Reference Architectures

The screenshot shows the Oracle Cloud Infrastructure Architecture Center page. At the top, there is a navigation bar with a logo, a search icon, and links for Products, Resources, Support, and Events. Below the navigation bar, the text "Cloud / Oracle Cloud Infrastructure Architecture Center" is displayed. The main content area features a large title "Oracle Cloud Infrastructure Architecture Center" and a subtitle "The Architecture Center provides technical resources to help you build more effectively and efficiently in Oracle Cloud Infrastructure." A button labeled "Oracle Cloud Infrastructure Platform Overview (PDF)" is also present. The URL <https://www.oracle.com/cloud/architecture-center.html> is shown at the bottom of the screenshot.



Custom Apps Reference Architecture Examples



Microservices

+



kubernetes



+



+



kubernetes

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Apache
Tomcat



+



+



+



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 Drupal with Oracle MySQL Database Service](#)

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Thank You

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