PeopleSoft Innovator: Gallaudet University Oracle Cloud Best Practices

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Speakers

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PeopleSoft Has Been Customized and Integrated into Your Core Business Ops

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But Running PeopleSoft On-premises Has its Challenges

Managing hardware presents challenges

- Facilities, hardware management isn't strategic
- Difficult to scale quickly and capacity planning is burdensome
- Refreshes are costly, risk and often deferred

Challenges with keeping application updated

- Maintaining OS and database patches
- Accommodating new features and integrations rapidly
- Lack ability to spin up new environments quickly

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Why Customers Have Moved PeopleSoft to Oracle Cloud

Lower TCO than on-premises and competing clouds

Superior performance backed by SLAs

Still the PeopleSoft you know. Automate migration and lifecycle management

Unique capabilities enhance infrastructure availability, security, and control

- **38-52%** lower TCO
- **2-10x** faster reporting speed
- No single point of failure
- Migrate in **weeks**
- Deploy in **hours** not days

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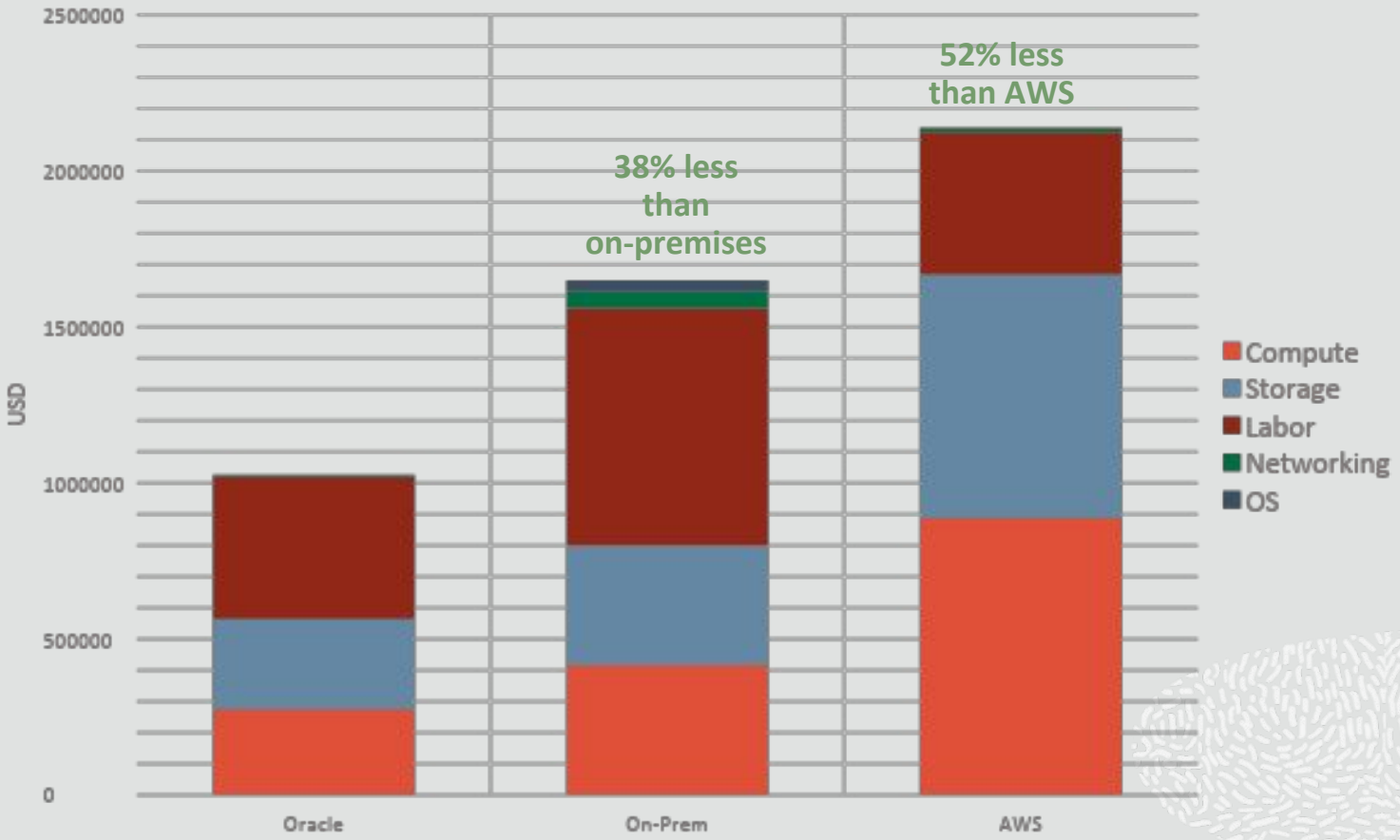
5 Year TCO for PeopleSoft on Oracle Cloud Infrastructure

Oracle is 38% less than on-premises and 52% less than AWS



Assumptions

- 5,000 concurrent users
- 6 environments (2 prod, dev, testing, staging, QA)
- **Oracle:** 80 vCPUs per environment, 6TB DB storage, 50GB/vCPU storage, 1Gbps FastConnect, Backups, 1TB outbound, 25% cloud discount
- **On-Premises:** 15 servers with 28 cores, 128 GB RAM per environment, 15 TB storage
- **AWS:** Same as OCI, reserved instances for prod environments, 7% EA discount

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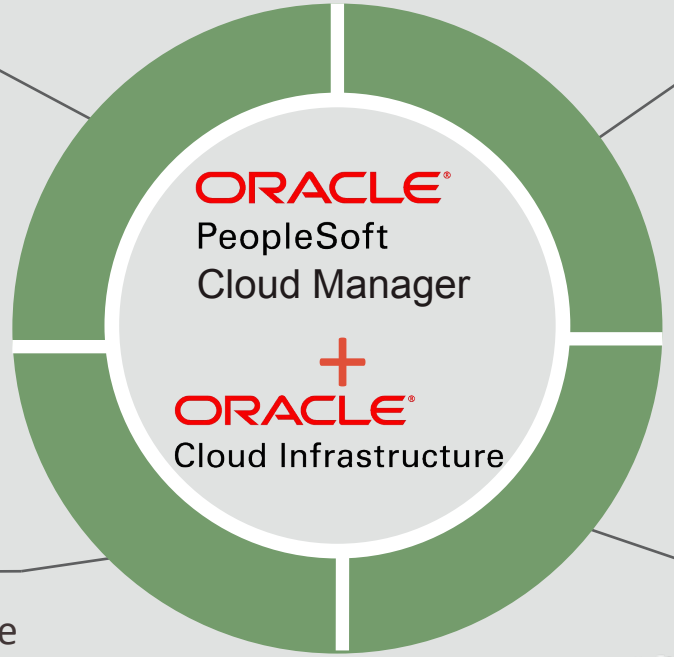
Streamline Migration and Administration

Click-to-deploy application-aware tooling for automation - Only available on Oracle Cloud



Migrate to cloud

- Lift and Shift your on-premise systems to Cloud
- Automated migration
- Deploy any number of times
- Leverage Oracle Enterprise Manager to manage hybrid

Templated provisioning

- Customize app deployment and define your own topology
- Template-ize running environments
- One-touch, self-service provisioning

Manage lifecycle

- Subscribe to Update Release Channels
- Centrally manage PUMs
- Safely test and evaluate new features and customizations

Scaling for demand

- Run right-sized at all times
- On-demand scaling for middle tier
- Add CPU for DB at a click with no downtime for month end

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Gallaudet University's Story

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Motives

- DBA - One Full-Time
- Four full time consultants on staff = 25% of non-payroll budget
- Disaster Recovery/Single Data Center threatens Business Continuity
- IT Strategy Assessment and Opportunities
  - Cloud Solutions as a Strategic Goal
  - Facilitating Culture Change and Change Management
- Faster System
- Cost Savings

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Why Astute

- Astute

  Experienced OCI Partner (25+ Lift and Shifts)
  Industry Expertise – Higher Education focus
  Native Oracle Cloud Infrastructure automation capabilities
  Peoplesoft Selective Adoption as a Service - PUM and Tools Management
  Automated Testing with FasTest
  OCI Cloud Credits - Simplified contracting as a MSP Partner

- Gallaudet

  More focus on functions and improvements
  Contract work more flexible – can swap around SME

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Project Scope

- Financials and HCM
  - Lift and Shift
  - Already at latest version
  - As-is
  - All integration points remain the same
- Campus Solutions
  - Lift and Shift
  - Upgrade from v9.0 to v9.2
  - Going clean – more out of box vs 20+ years of customizations

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Project Timeline

- 10 Weeks for first Lift and Shift – Financial Management Solutions
- 10 Weeks for 2nd Lift and Shift – Human Capital Management
- Approximately 6 months - February 2020 for Campus Solutions Lift and Shift plus Upgrade

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Changing the Paradigm

- Community Involvement
- Reservations
- Faster reporting and refresh time
- Staffing – size change
- Right-sizing the business model
- Astute – their expertise

  Project Planning
  Task Specific Expertise
  Recommendations

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Astute Business Solutions

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Astute Business Solutions is your Go-To-Partner for PeopleSoft Move and Improve to OCI. With our deep experience and expertise of PeopleSoft onOCI, we accelerate Cloud adoption through automation, proprietary accelerators and tailored solutions.

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Pleasanton, CA (HQ), Dallas, TX, Hyderabad, India

Industries -
FIN Services, Professional Services, Healthcare, Education, Retail, Non-Profit

ORACLE Gold Partner
Specialized
Oracle Infrastructure as a Service

Oracle Gold Partner, Cloud Partner and OCI MSP Partner

Available on ORACLE Cloud Marketplace

Guru Student chatbot, FasTest Test Automation for PeopleSoft

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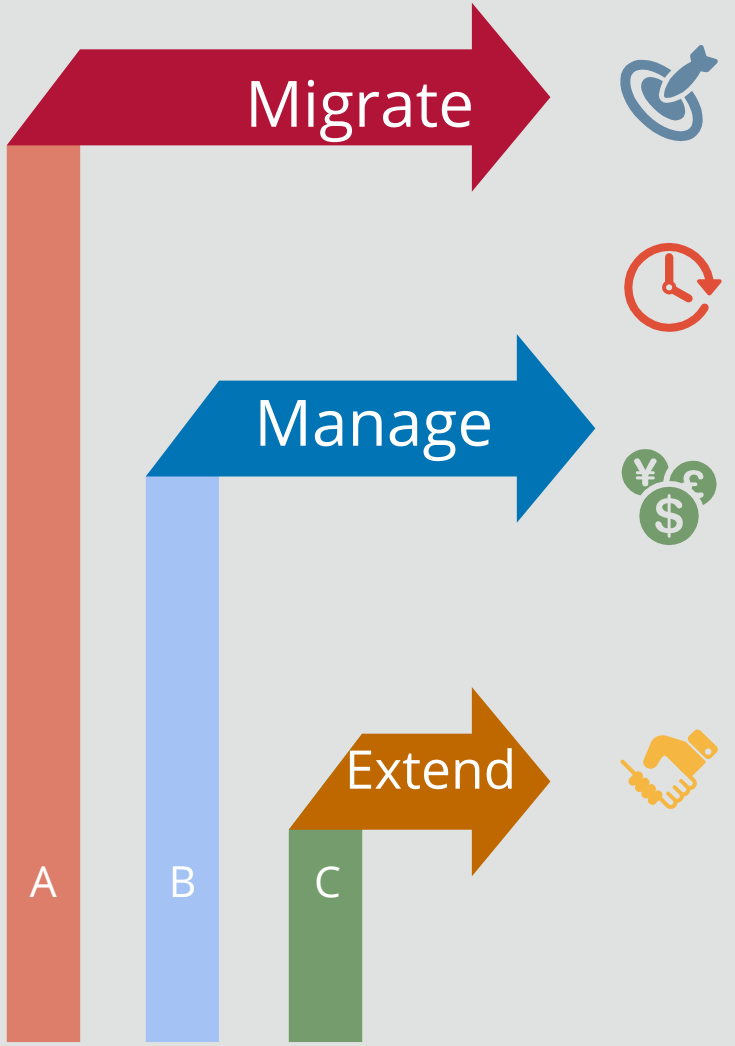
Comprehensive Oracle Cloud Services



Migrate to Cloud - PeopleSoft, EBS, Banner, Exadata, Oracle DB, SQL Server, Windows/Linux

Manage and Maintain - Lifecycle Management, Patch/Fix, Monitor, Backup, Tune

Advanced Monitoring and Compliance with Oracle Management Cloud

Platform Extensions:

- **Autonomous DB and Warehouse**
- **Chatbots with Oracle Digital Assistant**
- **Analytics with Oracle Analytics Cloud**
- **Security - Audit Vault, Key Management, TDE**
- **Extreme Performance - Exadata Cloud Service, Bare Metal Cloud**

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Making the Business Case to Move and Improve PeopleSoft to OCI

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Business Case for PeopleSoft on OCI

- Automated, fast deployment
- Improved UI/UX and Workflow
- Eliminate paper-based processes

+

- OCI SLA-backed performance
- Elastic, Scalable infrastructure
- Performance monitoring

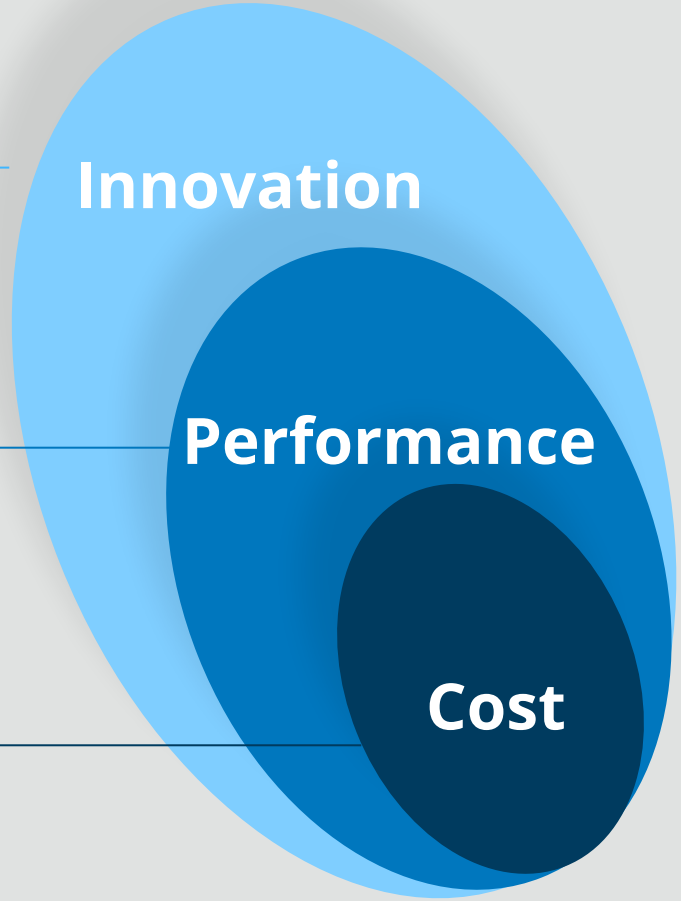
+

- Eliminate hardware refresh cost
- Eliminate contractor spend
- Switch to predictable cost model

New Feature Adoption

Optimize Performance

Reduce Operating Cost



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Overcoming App and Infrastructure Challenges

Challenges

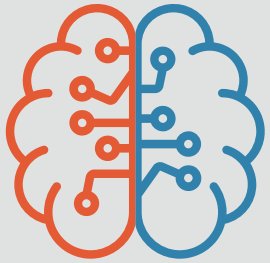
App Versions - Not current with latest PS App and Tools versions

Deployment time - Manual, checklist driven, long lead times

Security - Application PII Data not secured, DB not encrypted

Capacity Management - Not proactively managed/optimized

Disaster Recovery - Not available on-premise, Expensive and Opaque



Solutions

Include “stay-current” service into OCI MSP contract

Automate PS install and cloning **using Cloud Manager on OCI**

Implement native TDE with Cloud DBaaS, Data Masking for PII

Use Cloud to right size architecture, **scale capacity dynamically**

Move to **low-cost automated Cloud DR solution**, start small, scale up

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Why Gallaudet Chose OCI

No more manual installations, automate Lift and Shift to OCI, Use Terraform to automate complete infrastructure build	**Speed of Deployment with 1-click provisioning**
Accelerate and simplify Upgrades and Patching **with PeopleSoft Cloud Manager**, OCI DbaaS one-click patching and more	**Upgrade Automation with 1-click Tools Upgrade**
No upfront investment in hardware, Pay ONLY for what you consume, start and stop instances, use Cloud Credits for any service	**Operational Cost Reduction**
Bare Metal and Dense I/O for higher performance, Improve Payroll, batch and online performance, get dedicated instances	**Higher Performance**
Transparent Data Encryption (TDE), HIPAA, ISO, SOC, PCI DSS Compliance	**Increased Security**

ORACLE Cloud Infrastructure **Is PURPOSE-BUILT for Oracle Workloads**

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Cloud Migration Approach and Plan

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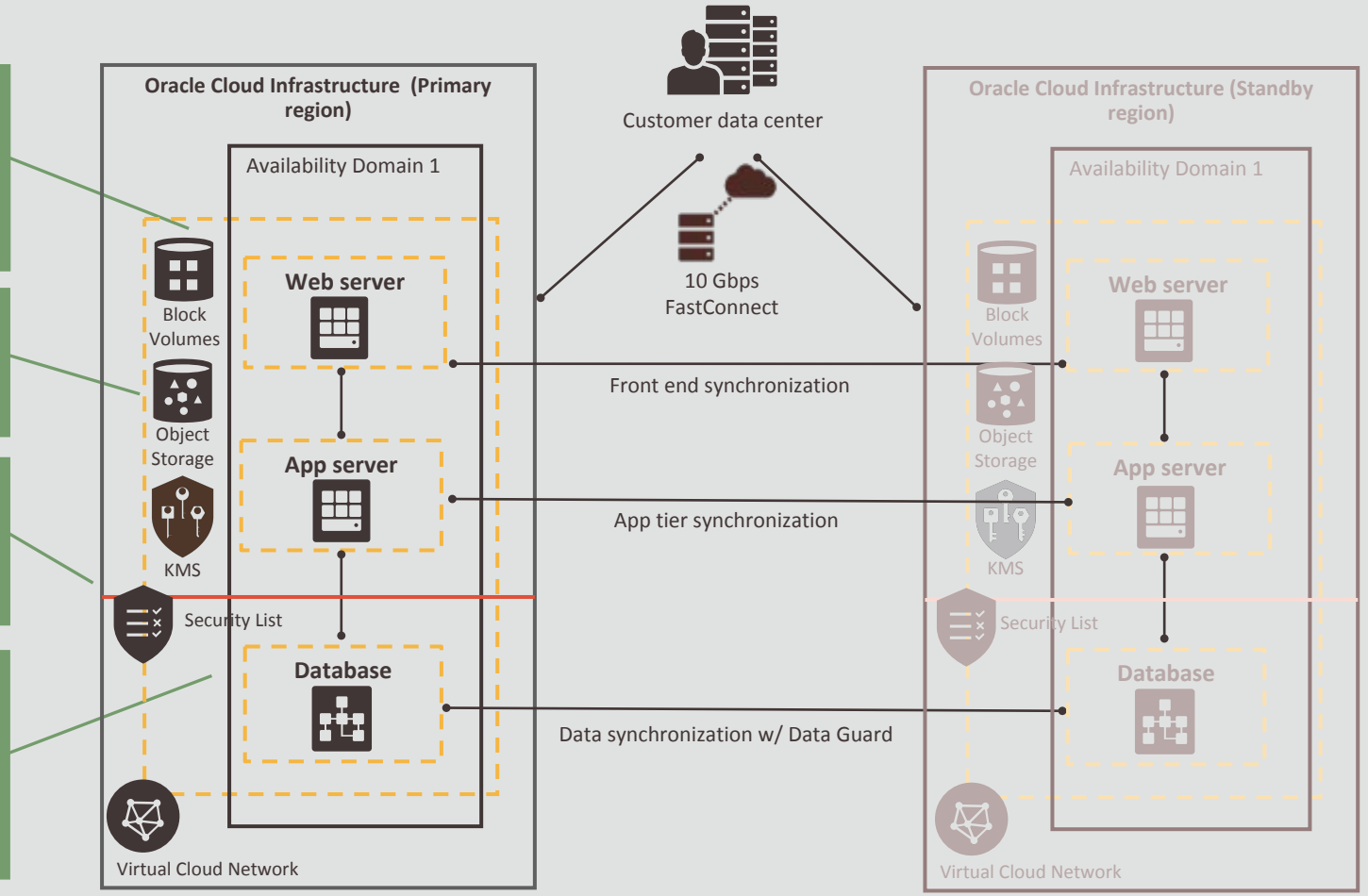
Reference Architecture:
Unique Capabilities for Availability, Security, Control

- Regional services provide multiple options for HA and DR
- Choice of VM, bare metal based on requirements
- Compute elasticity for changes in demand - seasonality, month-end reporting, dev/test

- High-performing block volumes for large data sets
- Integrated object storage for backup, archive
- Data encrypted at rest by default. KMS available

- Private connectivity from your facility to Oracle cloud or via Internet
- Virtual Cloud Network firewalling via security lists enforce north-south and east-west

- Scale database cores up/down with no downtime
- Data Guard provides data protection and replication for DR
- Any database use case supported. Options for BM, VM, RAC & Exadata



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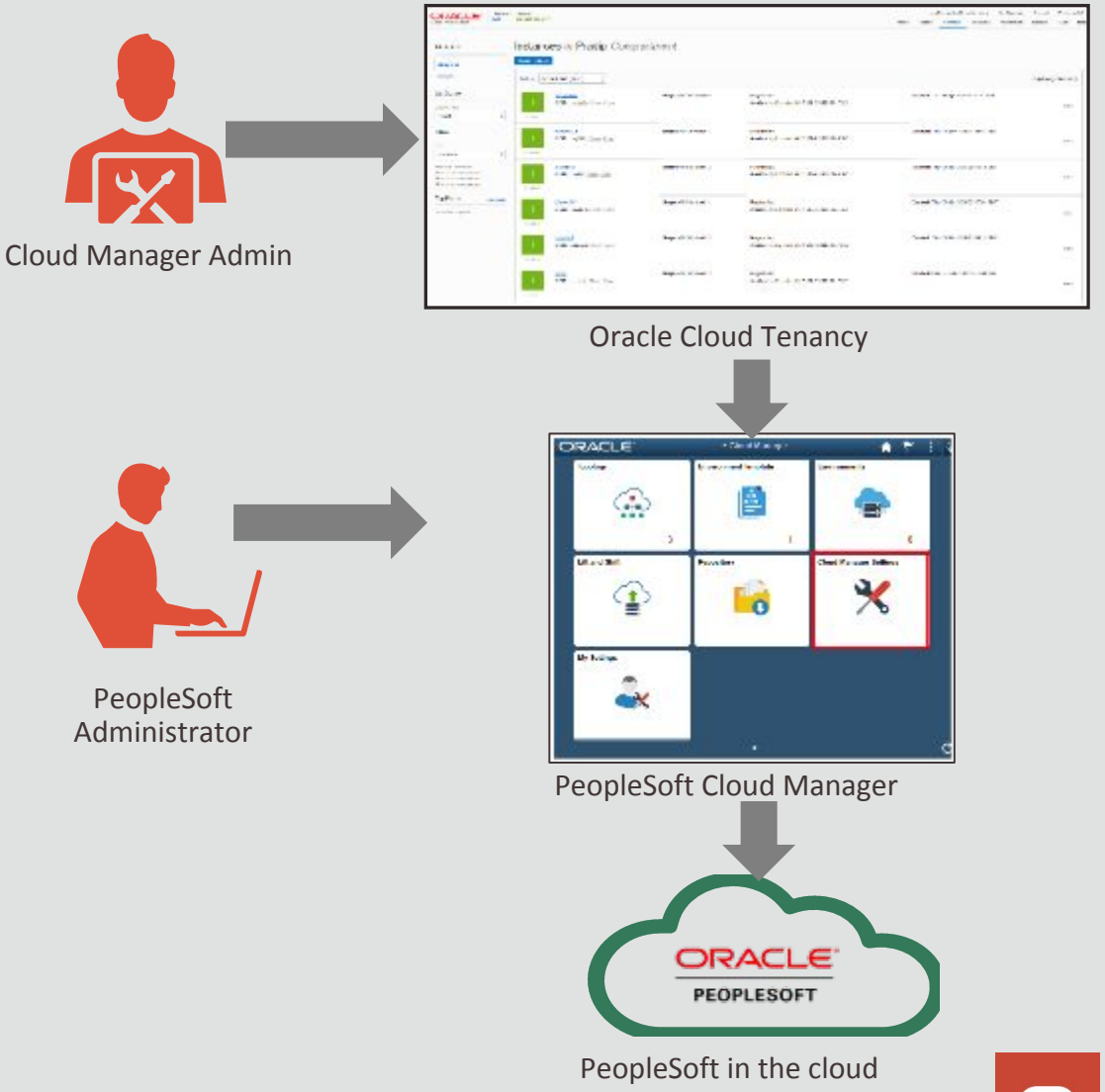
Anatomy of a Migration

- Launch PeopleSoft Cloud Manager image at a click on Oracle compute instance
- Backup on-premise PeopleSoft environment to Oracle Object Storage
- Create new environment in Oracle Cloud Infrastructure using Cloud Manager
  - Create cloud resources
  - Restore backup from on-premises
  - Configure environment
- Access your PeopleSoft instance running on Oracle Cloud Infrastructure



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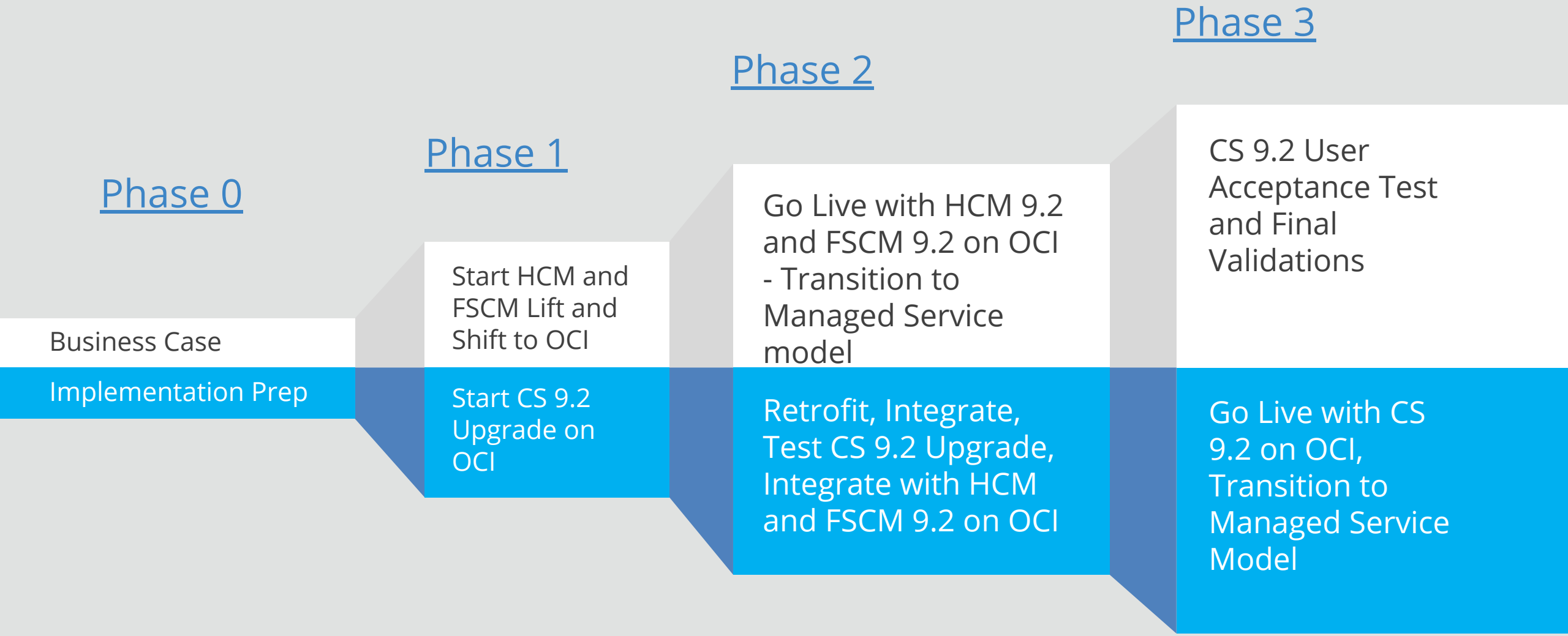
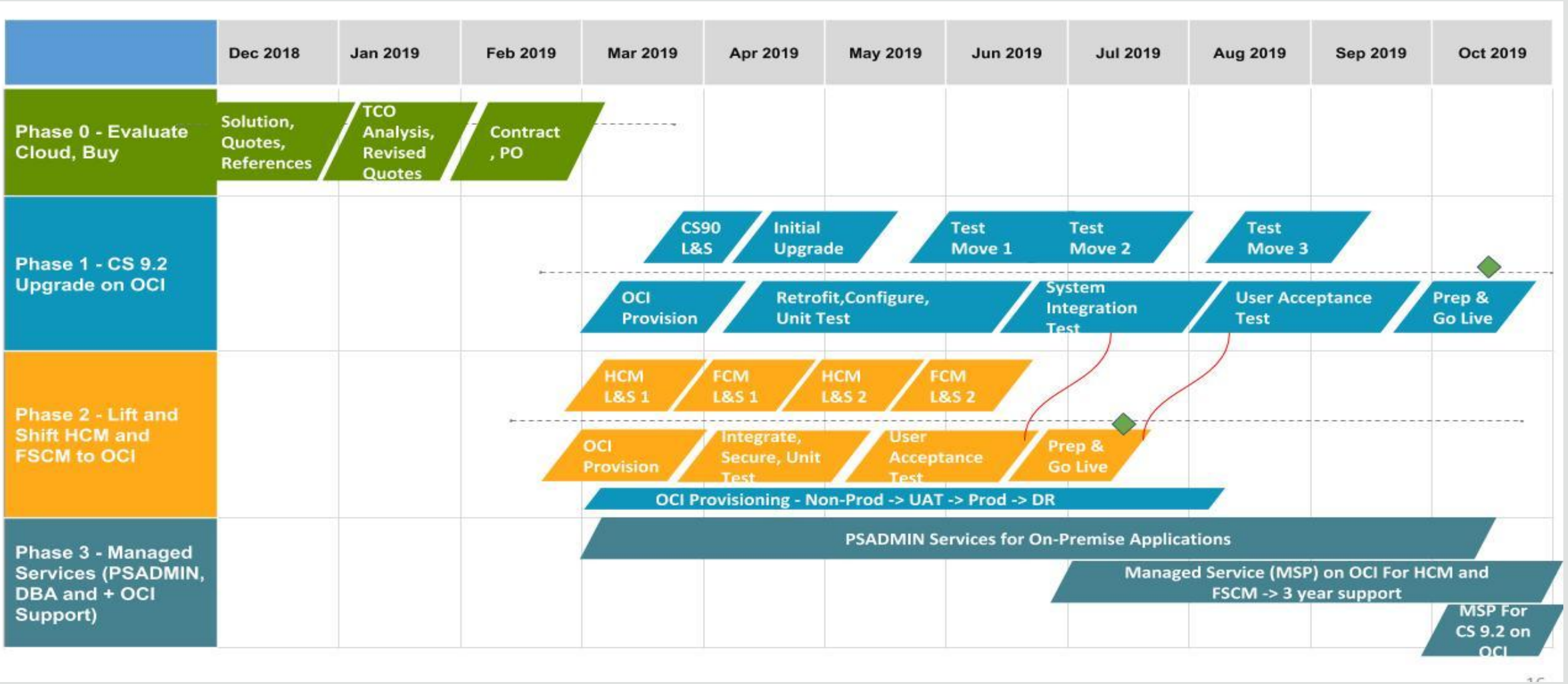
Phased Implementation Model



Project Timeline



Benefits Realized

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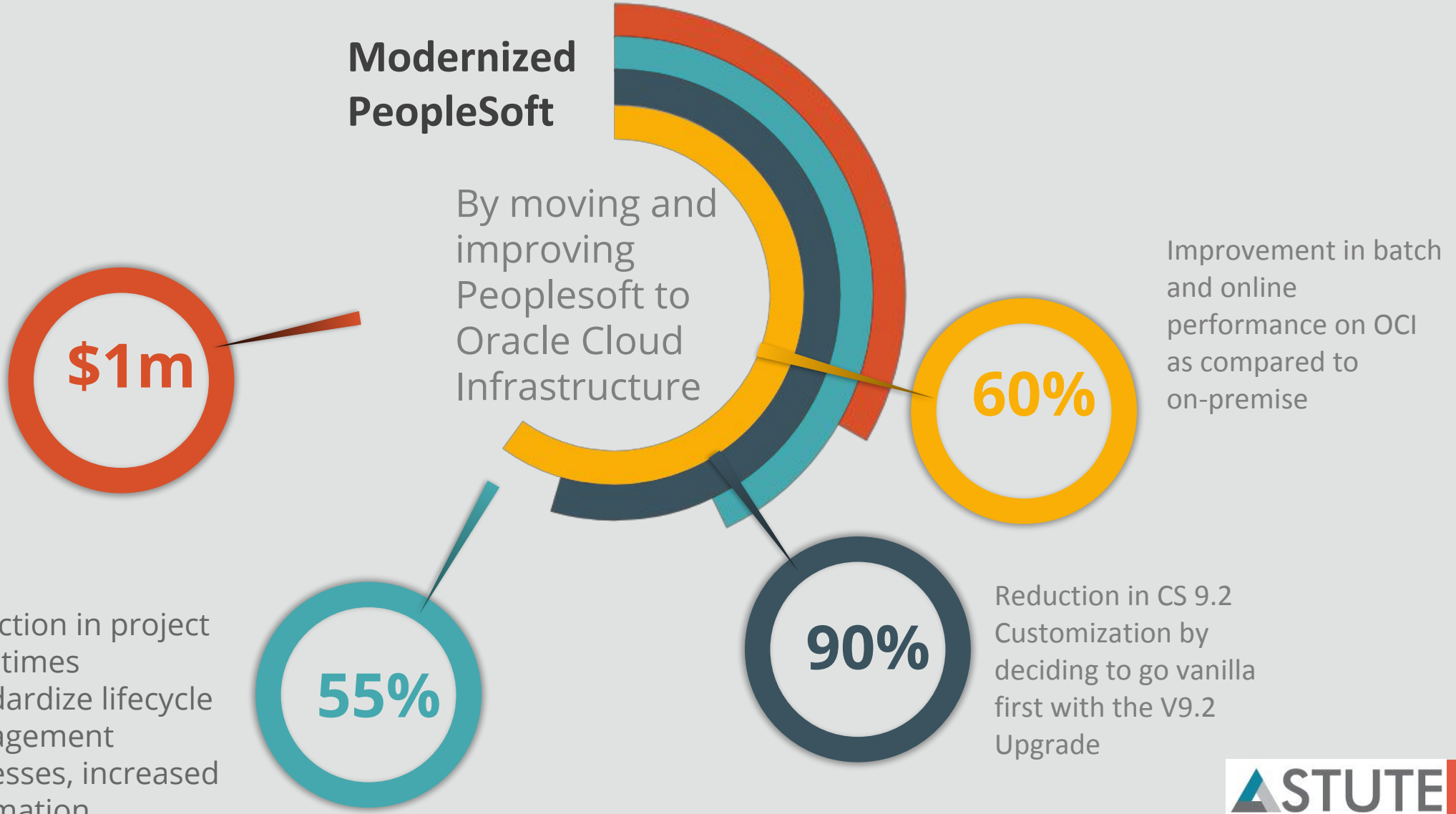
Gallaudet Wins Big with PeopleSoft on OCI



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Gallaudet's Next Steps

UI/UX Improvement

- Implement fluid UI navigation, homepages, and elasticsearch
- Adopt fluid and classic plus wherever delivered
- Implement self-service capabilities

Workflow Automation

- Implement delivered workflow:
  - Requisitions, Purchase Orders, Vouchers
  - HCM Onboarding
- Configure approvals and routing as per GU need

Forms Automation

- Implement electronic forms for:
  - PAF
  - Insurance Enrollment

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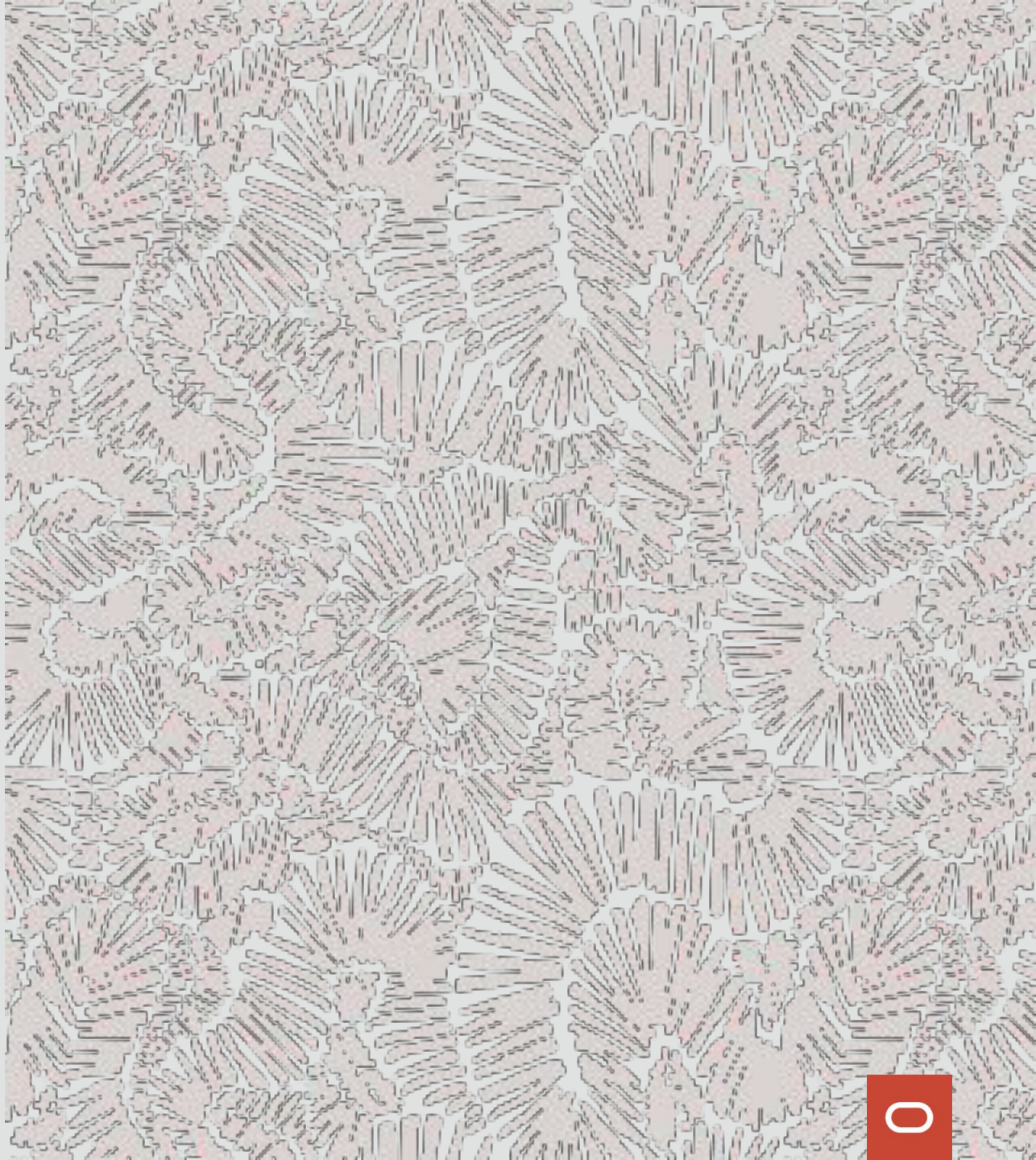
Next Steps

Start a trial: cloud.oracle.com/tryit

Free Tier: oracle.com/cloud/free

Install PeopleSoft demo images on Oracle Cloud Marketplace

Work with your partner or one of ours



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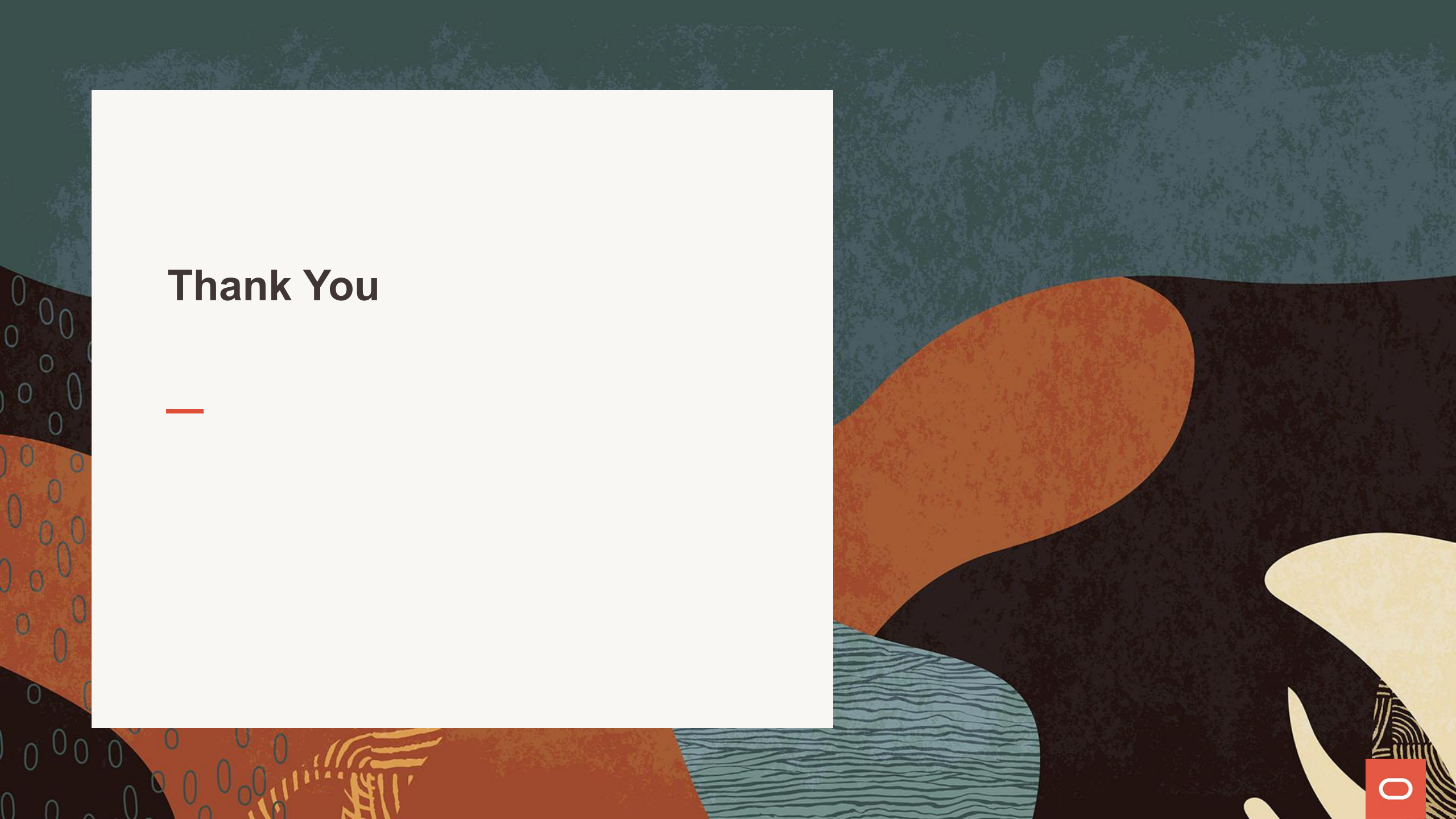
Thank You