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Oracle Cloud Infrastructure Products

Oracle Container Engine for Kubernetes (OKE) & Oracle Cloud Infrastructure Registry (OCIR)

Sárecz Lajos June 2020

Safe harbor slide

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.



Agenda

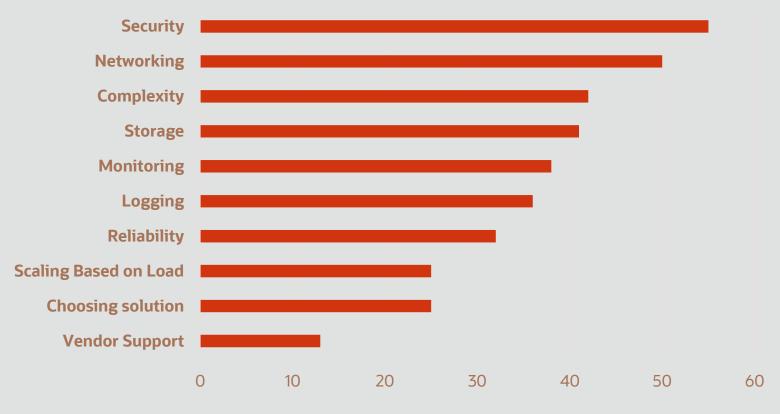
- > Kubernetes Challenges & Oracle Cloud Infrastructure (OCI)
- > OCI Products
 - Oracle Container Engine for Kubernetes (OKE)
 - Oracle Cloud Infrastructure Registry (OCIR)
- > Pricing
- Use Cases
- > Demo





Kubernetes Challenges

- Managing Kubernetes Infrastructure, upgrading, security
- Container networking & persistent storage
- Managing Teams & Access
- CI/CD Integration, automated testing, conditional release



■ Percentages reported by companies with >1,000 containers

(Source: CNCF Survey, <u>The New Stack</u>, 22 Mar 2018)



Oracle Cloud Infrastructure: Complete services

Governance IAM, Tagging, Cost Analysis

Security IAM, Audit, KMS, CASB **Management Monitoring, Notifications, Alarms**

Automation Resource Manager, Ansible

Analytics / Integration / SOA Suite / Identity / Management / Content / API Platform / Developer / Visual Builder / Digital Assistant / DataFlow / Data Science / Data Safe

Containers Containers and Kubernetes



Fully managed, certified Kubernetes service with Docker containers

Data Movement Storage appliance, Data Transfer



Software NAS gateway, data ingest service with full chain of custody (HDD or appliance)

Autonomous Database Transactions, Data Warehouse



Fast provisioning. Automatic tuning, patching, securing. 99.995% availability.

Cloud Native Events, Streaming, Functions



Fully-managed FaaS, event-triggered functions, high-volume data ingest, notifications

Compute Bare metal/VM, CPUs/GPUs



Up to 64 CPU cores, 8 GPUs, 768 GB RAM, 51 TB local NVMe SSD, 5M IOPS, AMD and Intel processors

Storage NVMe, Block, File, Object, Archive



Predictable IOPS Block Storage for up to 98% less, storage for whole lifecycle

DatabaseBare metal, VMs, Exadata



Millions of TPS; Full RAC and Active Data Guard support

Networking VCN, LBaaS, FastConnect, VPN



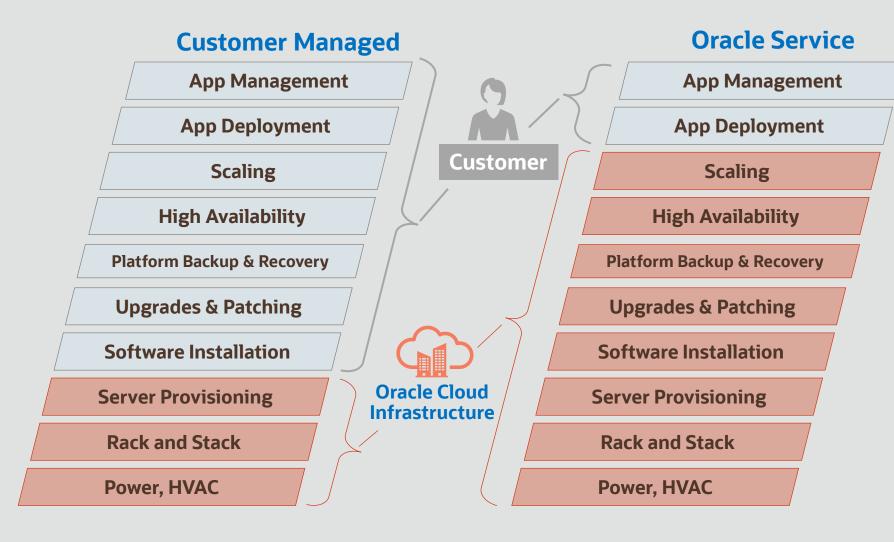
Isolated networks with reserved IPs, security lists, firewalls, lowest cost private connectivity

Public regions

Government regions



Oracle Kubernetes-as-a-Service



Benefits

- **✓** Faster Time to Deploy
- **✓** Better Reliability
- ✓ Lower Risk
- ✓ Accelerate Innovation



Introducing OKE

Oracle Cloud Infrastructure Container Engine for Kubernetes (OKE)

What is it?

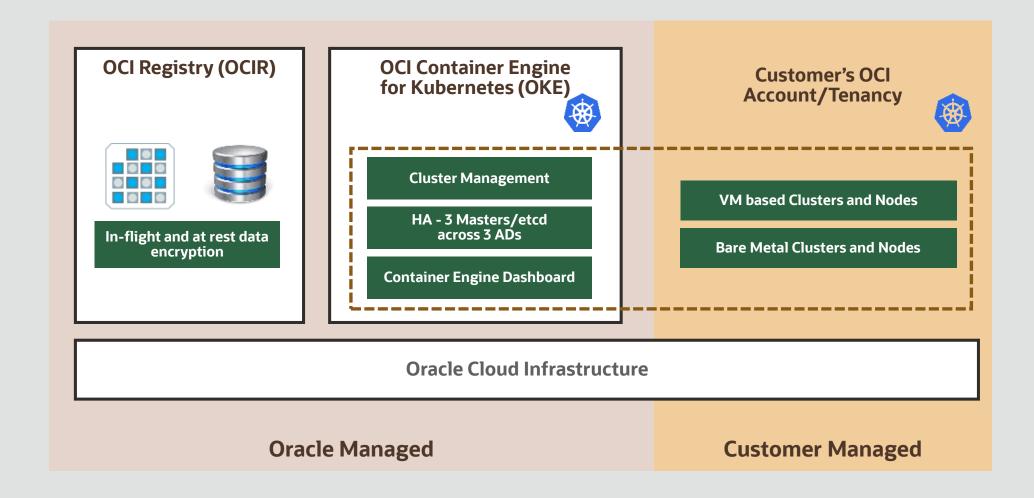
- Enterprise grade & developer friendly container orchestration service based on Kubernetes
- Fully managed
- Cloud Native Compute Foundation (CNCF) conformant,
- Provides cloud portability due to non-proprietary, unmodified upstream Kubernetes implementation
- Integrated private registry
- Available in all OCI commercial regions

What benefits does it provide?

- High predictable performance
- Faster Time to Market
- Lower Costs

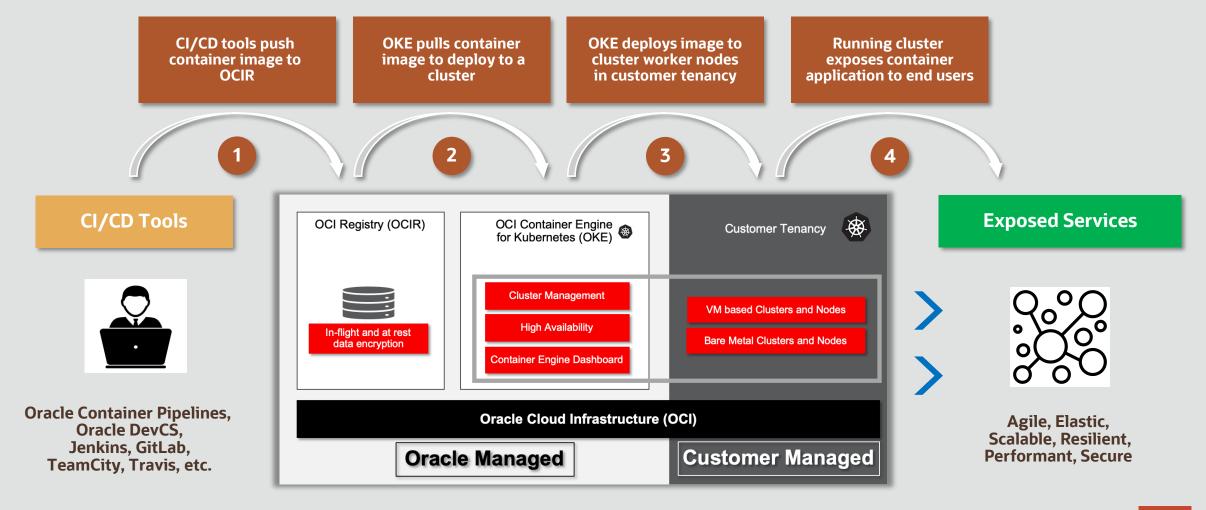


Working with OKE and OCIR on OCI





OKE & OCIR: Container Application Life Cycle





OKE Differentiation

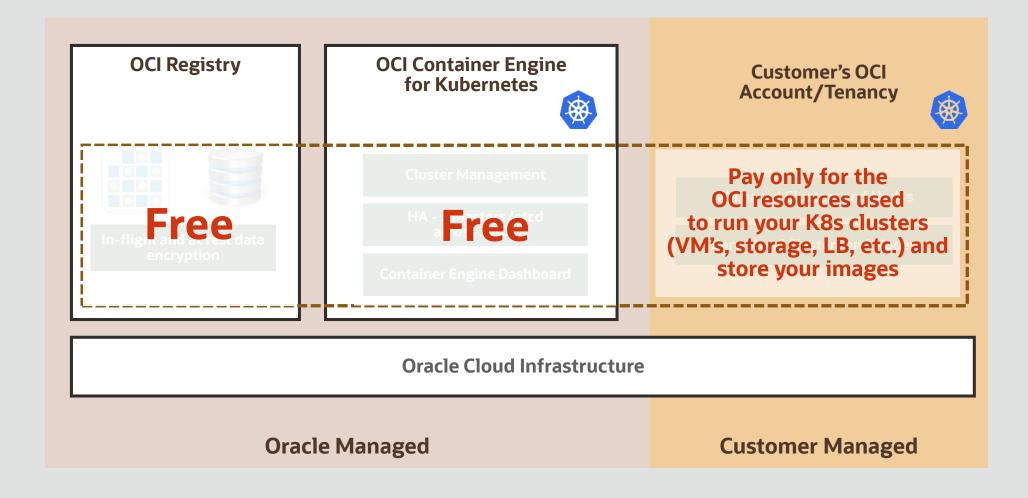
How does Oracle differentiate itself from other managed Kubernetes offerings from major cloud service providers?

- Highly available control plane
- ✓ No management fees
- Enterprise support is included
- **✓** Better performance per dollar

- ✓ Second generation, enterprise-grade cloud
- ✓ Use both bare metal and VMs
- ✓ Consistent performance (no over-subscribe)
- **✓** Industry leading cost effectiveness



OKE/OCIR Pricing and Packaging



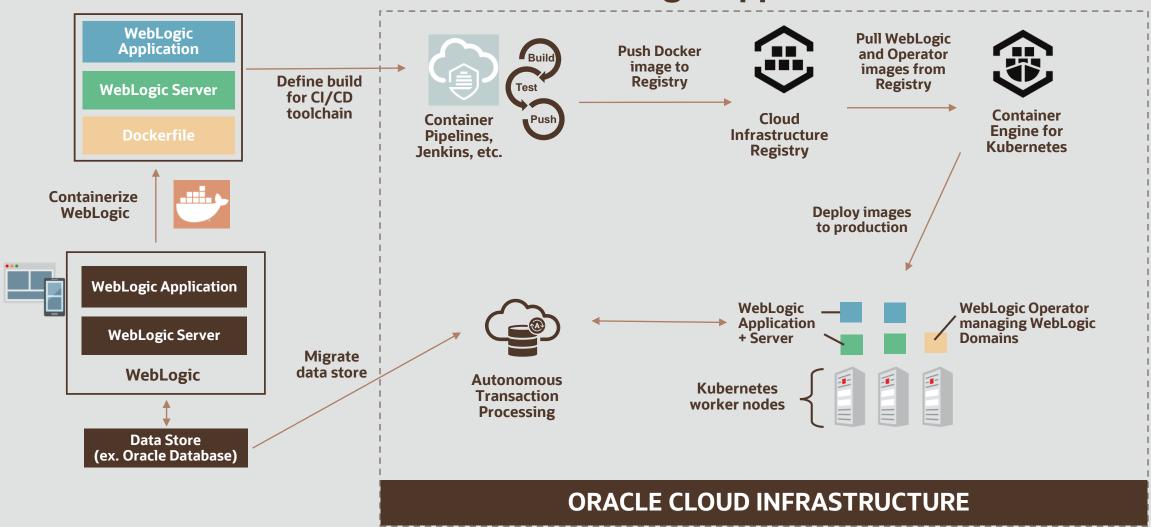


OKE Regional Footprint tracks with OCI Commercial Datacenters



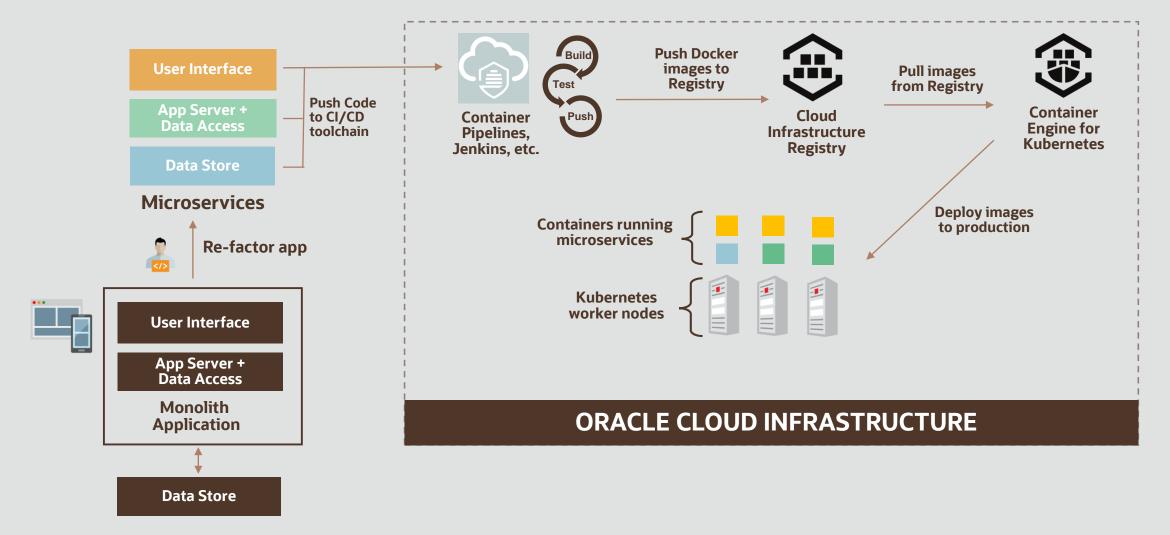


Containers Use Case: Lift & Shift WebLogic Application



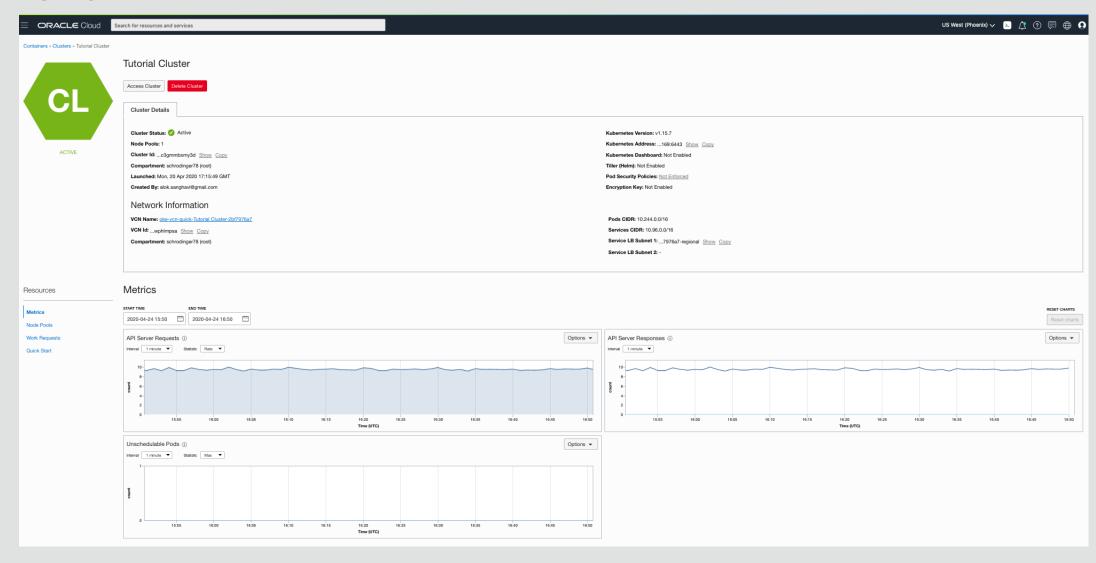


Containers Use Case: Refactor an Existing Application





Demo





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