

10 Ways Oracle Cloud Is Better Than AWS

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Who Am I

- Oracle Certified Administrator from Oracle 7 – 12c
- Exadata Certified Implementation Specialist since 2011
- Oracle Database Performance Tuning Certified Expert
- Oracle Business Intelligence Foundation Suite 11g Certified Implementation Specialist
- Oracle Database Data Warehousing Certified Implementation Specialist
- Multiple Exadata Implementations / POC's for large financial organizations
- Migrate / Upgrade databases between various versions of Oracle
- Capacity Planning for Oracle Engineered Systems
- Database Consolidation to Exadata / 12c Platform
- Architect Databases for OLTP and OLAP applications
- **Not an Oracle Employee or Nor I represent Oracle in any way**

Overview

- Introduction
- Oracle Cloud Architecture
- 10 Ways Oracle cloud is Better Than AWS
 1. Complete Cloud Solution
 2. One Hardware & Software Vendor
 3. Managed Services
 4. Robust Integration
 5. Storage Cost
 6. Bare Metal Cloud service
 7. Cloud @Customer
 8. Performance
 9. Cloud Migration
 10. Database As Service
- Conclusion

Introduction

- Cloud computing based on shared, elastic resources delivered to users in a self-service, metered manner using web technologies
- Make no mistake , Cloud is not Myth and its adoption accelerating
- Virtualization a is not Cloud
- Hosting Solution is not Cloud
- Choosing a right Cloud Vendor is an important part of Cloud Strategy.
- Ask following important questions , before you choose a particular Cloud Vendor
 - How Cloud solution will reduce technology complexity
 - Have you worked with the Vendor before and How was you experience
 - Does Vendor have a track record of providing good technical support
 - Does your vendor meet with you Security and compliance Requirements
 - How can you integrate your on premise system with Cloud

Choosing a Right Cloud Vendor

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Important Characteristic of Oracle Cloud Service

- Independent third party audits and report published by auditors.
- Oracle web servers are configured into load-balanced clusters with spare capacity
- Oracle maintains a Service Cloud DR Plan designed to protect customer productivity
- Oracle offer different types of Cloud including Commercial Cloud , PCI Cloud, HIPPA Cloud, US Government Cloud and DOD Cloud
- Segregation in networks is deployed in a layered approach designed to protect customer data at the physical, data link, network, transport, and program levels
- Customers can be upgraded automatically to the latest product release each quarter.

Enterprise Level Cloud

- Oracle Offers a complete cloud solution for all your needs , truly a enterprise level cloud.
- No need to have multiple cloud vendors and add complexity to your Cloud Solution
- Oracle offer comprehensive set of offering under all 3 cloud development models
 - Private Cloud
 - Public Cloud
 - Hybrid cloud
- Oracle private and public cloud runs on same technologies, providing customers best of both world
- Single Cloud Model will not work for many Organizations , They will need hybrid Cloud
- Oracle offer comprehensive set of offering under all 3 cloud service models
 - Infrastructure As Service (IaaS)
 - Platform as Service (PaaS)
 - Software As Service (SaaS)

Single Vendor Strength

- Most likely you are not using amazon software
- If you are an Oracle Shop , Oracle cloud is you logical choice
- No other cloud vendor can provide you better support on Oracle Software & Hardware
- Your outages and issues will be revolve quickly
- Oracle is not only a Software vendor, its also a hardware Company

Managed Services

- World-class security and best practice regulatory compliance.
- Standardized operating processes and innovative tools.
- Global scale and expertise
- Choose from complete end-to-end cloud services across applications and technology
- Select the best cloud deployment model for your current business needs without lock-in
- Transform business processes while letting Oracle run Oracle.
- Minimize upgrade costs with systematic and proactive change management.
- Uptake latest Oracle technologies and innovations faster through coordination with Oracle Development

Robust Integration

- Integration is one of the biggest challenge to Cloud adoption
- 1 in 2 abandoned a cloud app in last 3 years due to integration problem
- 50 % of cloud Adopters have tried and failed at cloud integration
- Oracle has re-invented the integration platform with the release of Oracle Integration Cloud Service.
- Oracle offers an integrated data integration platform with comprehensive capabilities
- Oracle Data Integration product family provides data loading and realtime data replication capabilities between on-premises and cloud applications
- Oracle offers comprehensive metadata management, data lineage, data impact capabilities to empower users with cloud data governance

Storage Cost

- Oracle provides long-term storage at the lowest price in the industry.
- AWS's Glacier storage starts at \$0.0100 per GB
- Amazon Glacier charges \$7/TB/month to store data, Oracle charges \$1/TB/month for the same service
- Amazon S3. Prices start at 3 cents per gigabyte; Oracle starts at 2.4 cents per gigabyte.
- Oracle Archive storage is also cheaper: 0.1 cent per gigabyte/month, versus S3's 1.25 cents per gigabyte

Bare Metal Service

- Customers will be able to setup whatever operating system they want on top of the hardware
- All servers and resources will be bare metal
- Physical isolation of workloads from other cloud tenants and the provider itself
- Oracle will handle all of the network virtualization
- Offer dedicated hardware for you Oracle databases in cloud environment
- The Exadata Express Cloud Service priced very aggressively at \$175 a month

Cloud At Customer

- Oracle operates and delivers services behind your firewall
- Identical IaaS and PaaS software as Oracle Cloud
- Same flexible, cost-effective subscription and pricing model as Oracle Cloud
- One platform to develop, deploy, and manage Oracle and non-Oracle workloads
- Fully secure and compliant data helps organizations conform to privacy and legal frameworks
- Conforms to regulatory, privacy, and legal frameworks by running in your data center

Performance

- New Oracle Database-as-a-Service is 20 years ahead of Amazon Web Services
- Oracle Database-as-a-Service (DBaaS) performed up to 105X faster for Analytics workloads
- 35X faster for online transaction processing (OLTP)
- 1000+X faster for mixed workloads compared to Amazon DBaaS
- Oracle Cloud is optimized for running Oracle Database while Amazon Web Services (AWS) is not
- Full enterprise edition of the Oracle Database running on the database-optimized Exadata infrastructure
- Oracle Cloud Database performed dramatically faster than Amazon Cloud Databases in benchmark tests
 - Oracle Cloud was up to 105X faster for analytics than Amazon Redshift
 - Oracle Cloud was up to 35X faster for OLTP than Amazon Aurora
- Oracle storage performance, I/Os per second, are eight times better than Amazon.”

Lift & Shift Capabilities

- RAVELLO provide Oracle unique advantage over AWS , by simplifying process of migration load to cloud
- A copy of your entire on-premises EBS environment to the Oracle Compute Cloud Service (IaaS)
- A copy of your application tier to IaaS and your database tier to the Database Cloud Service (DBCS)
- Seamlessly deploy your existing VMware or KVM based data center workloads on Oracle Public Cloud, AWS, or Google Cloud as-is , without any modification to the VMs, network, or storage
- After moving VMware workloads to Ravello enterprises can save on CapEx and OpEx costs

Database as Service

- Oracle Public Database Cloud consists of 4 DB Cloud offerings: DBaaS, Virtual Image, Schema Service and Exadata Service
- Oracle offer support for database engineered system
- Oracle supports Exadata, RAC & all DB options
- Oracle offer and support High availability option like Real application Cluster
- Oracle's price includes the EE license with all options , Amazon AWS is BYOL for EE
- Its cheaper and faster to run Oracle databases on Oracle Cloud vs Amazon AWS
- Oracle offers simple pricing structure with published costs representing actual costs

Thank You

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