

ORACLE

Oracle Public Cloud Architecture

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Agenda

- Oracle is launching a Public Cloud.
- Cool.
- What is it and how did we build it?

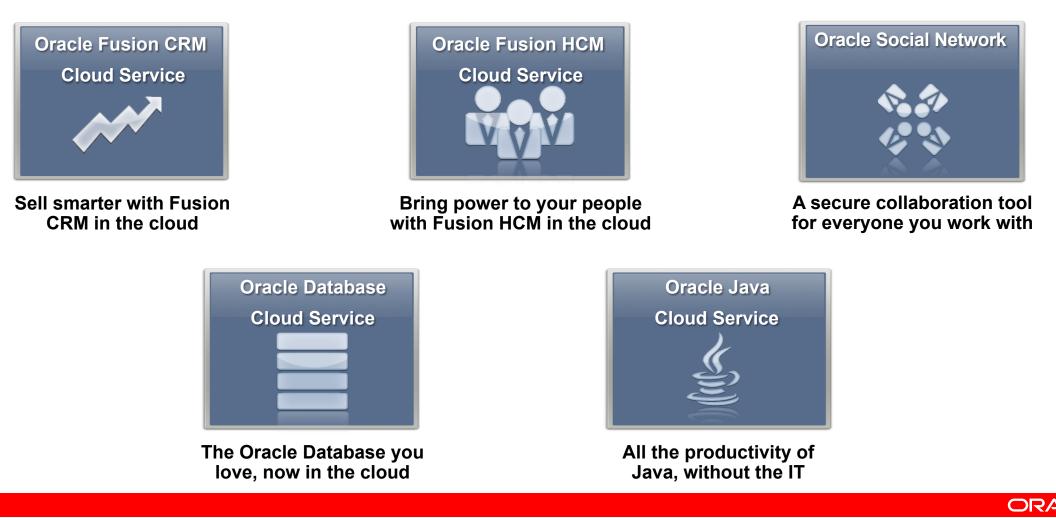






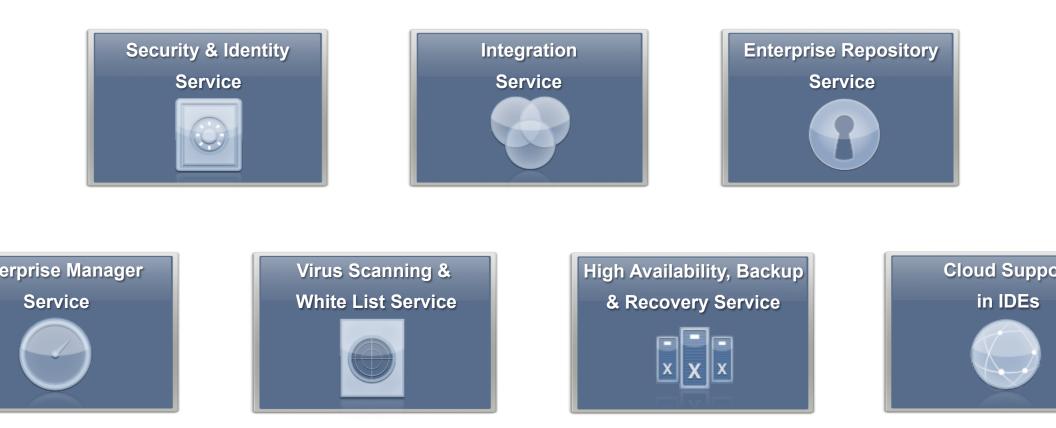
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Oracle Public Cloud An Enterprise Cloud for your Business



Oracle Public Cloud

Shared Infrastructure Services





Oracle Public Cloud

Simple Pricing Model







imple monthly based subscription

Multiple tiers with growth option

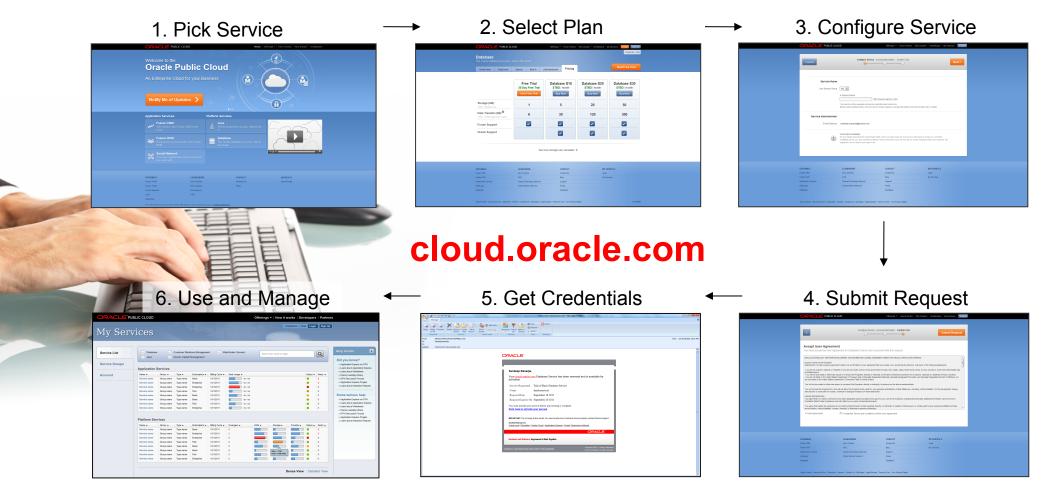
Elastic consumption mo grow and shrink as need

30-day trial for all services



Oracle Public Cloud

Extremely Easy-to-Use



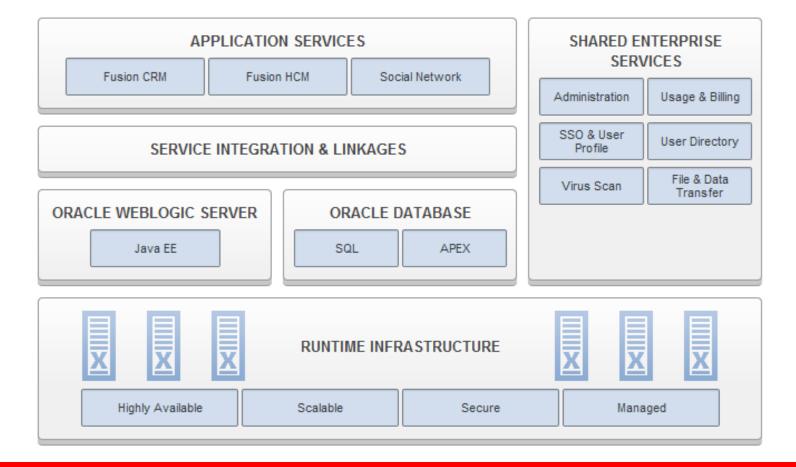
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Welcome to the **Oracle Public Cloud** An Enterprise Cloud for your Business Notify Me of Updates 💙 **Application Services Platform Services** Fusion CRM Java Fusion HCM Database Bring power to your people with Fusion Social Network

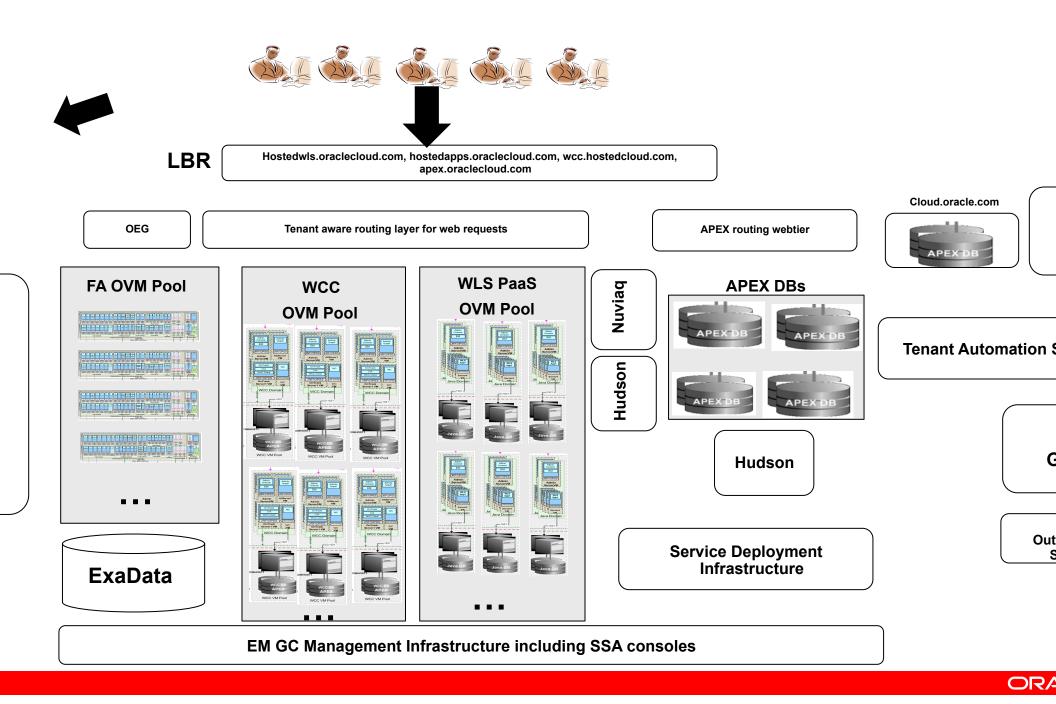
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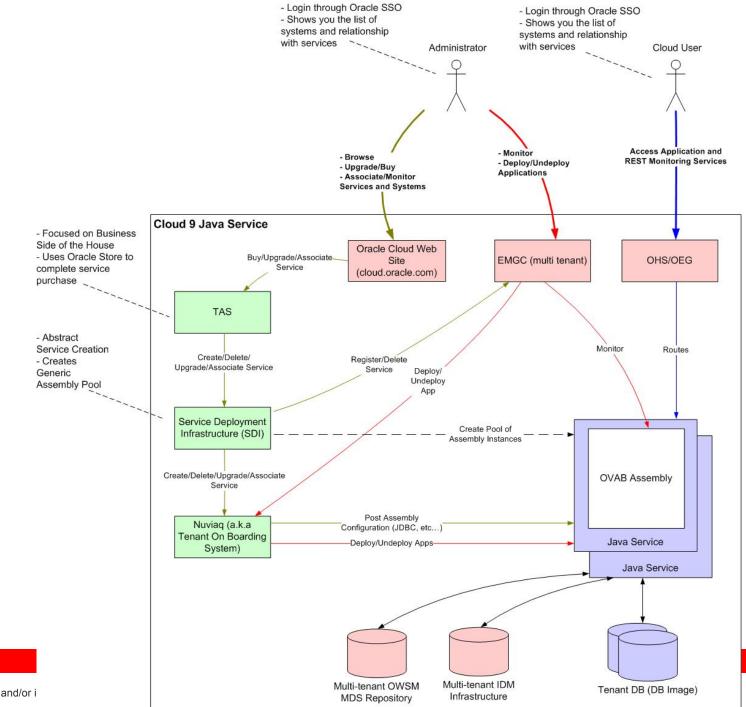
For information about Oracle's other offerings for cloud computing, go to oracle.com/cloud













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Why do we want virtualization and why do we need assemblies?

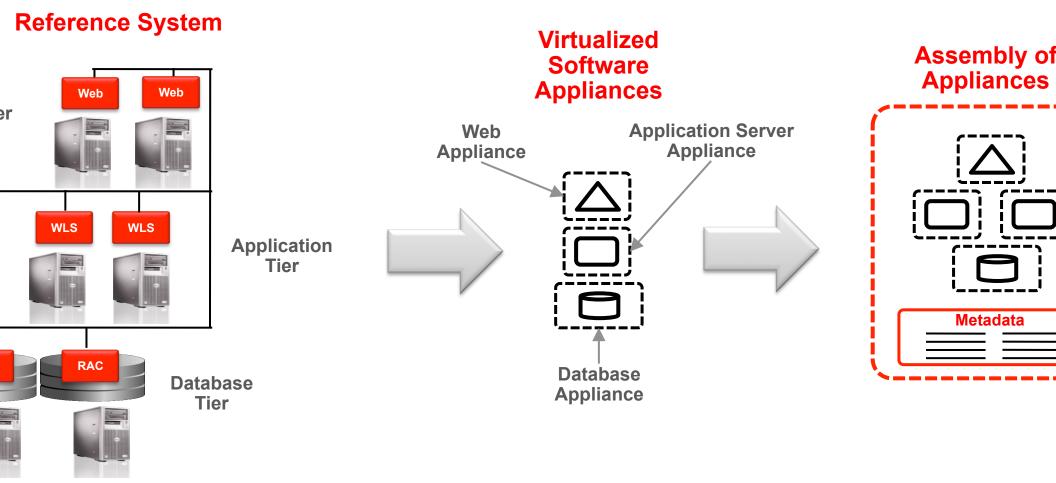
Virtualization gives a number of runtime advantages:

- Separates OS instances from the physical hardware
- This can provide better density and hardware utilization
- Also allows for easier failover by storing VM images on shared storage and migrating them to a different machine in the case of hardware failures

However, virtualization by itself just encapsulates a single OS image. Encapsulation of an n-tier Fusion Apps topology into a single package



How to create assemblies





Why Assemblies?

Repeatedly provision entire application environments

• Allowing customization without adding complexity

Reduce configuration errors

Fewer knobs to turn and get wrong

Greater uniformity across environments

Reuse standardized building blocks

Accelerates deployment of new infrastructures and applications

• Single step, template based deployments

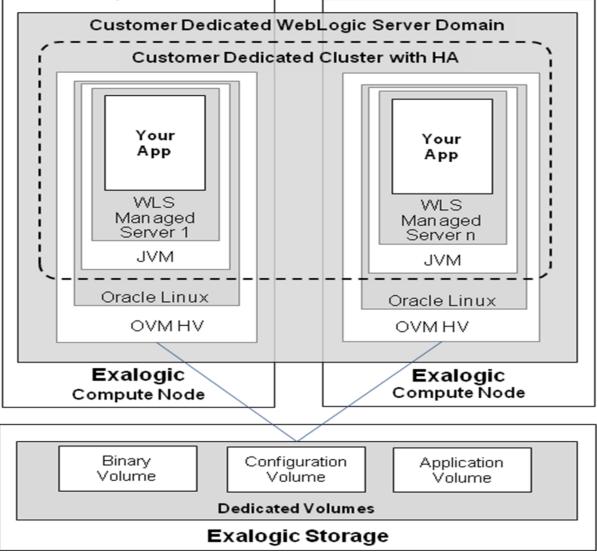
Assembly	
Metadata	



How Did We Deal with HA?

- Category1 shared runtime services
- Category 2 Multi-tenant DB service runtime
- DB service HA Based on Exadata/RAC HA + redundant web tiers
- Category 3 Cloud UI
- Category 4 Shared admin services
- Category 5 Service runtimes
- Category 6 behind the scenes services

Multi-Tenancy Architecture





Security & Identity Management Service

- A key enabler and differentiator of Oracle Public Cloud
 - Single Sign On and Identity Federation
 - Integration between Oracle Public Cloud & onpremise identity management systems
 - Fully delegated administration and dashboards
 - Multi-factor authentication
 - Use of standards for application visibility into public identity profiles
- Built on Oracle Identity Management





Cloud Development & Developer Experience

- Improve developer's life with Cloud, not make it harder
 - Transparent cloud development and deployment
 - Simplified setup of complex deployment environments
 - Choice of different value-added IDEs
 - Access to resources on demand
- Enable flexible enterprise grade development processes
 - Continuous integration, test and deployment for enterprise development teams
 - Ability to mix cloud and traditional development
 - No difference between on-premise and fully hosted infrastructure
 - Lead with best practice rather than enforcement or restrictions





High Availability, Backup & Recovery Service

- Covers all services and enabled for every subscriber
 - Not exposed to customers and completely handled by Oracle
 - Ensures that customer data is available through machine failures, site failures, and human error
 - Supplements other built in High Availability features in the infrastructure
- Builds on top of existing robust Backup & Recovery infrastructure – Oracle Fusion Middleware and Oracle Database









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Application Services

tform Services

Fusion CRM

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