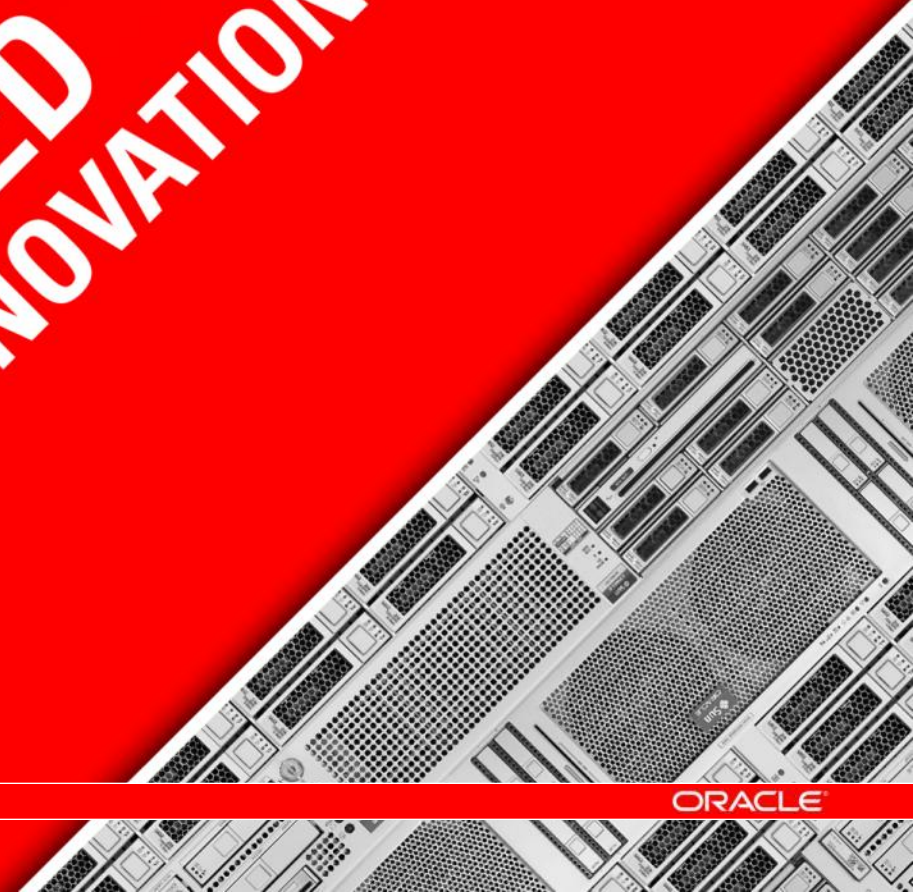


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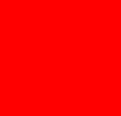
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Oracle Database Cloud Service

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Cloud Computing

Characteristics

- **Ubiquity**
- **Elasticity**
- **No acquisition cost**
- **Low ongoing costs**
- **Simplicity**



Oracle Strategy



Complete Stack

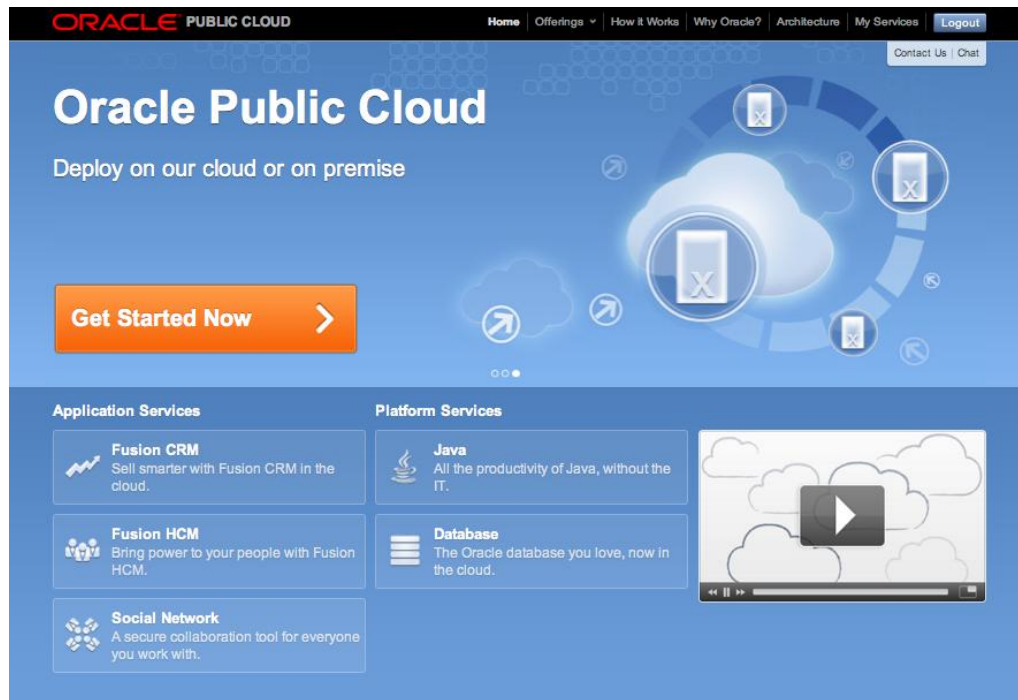
- Best-of-breed
- Open
- Vertical Integration
- Extreme Performance
- Engineered Systems

Complete Customer Choice

- On-premise
- Private Cloud
- Public Cloud
- Hybrid Cloud

Oracle Public Cloud (cloud.oracle.com)

Application and Platform Services



- Public Cloud
 - Self Service
 - Monthly Subscription
 - Simple Pricing
- Services
 - Applications (SaaS)
 - Platform (PaaS)

Oracle Public Cloud

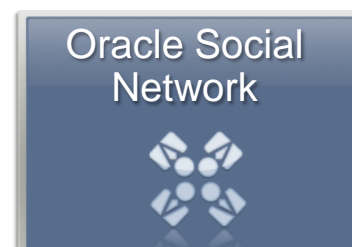
An Enterprise Cloud for your Business



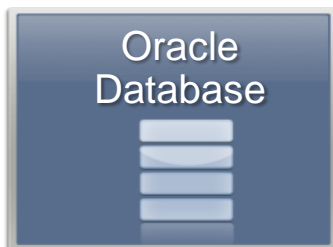
Sell smarter with Fusion CRM in the cloud



Bring power to your people with Fusion HCM in the cloud



A secure collaboration tool for everyone you work with



The Oracle Database you love, now in the cloud



All the productivity of Java, without the IT

Oracle Public Cloud

Shared Infrastructure Services



Security &
Identity



Integration



Enterprise
Repository



Enterprise
Manager



Virus Scanning &
White List



High Availability,
Backup & Recovery



Cloud Support
in IDEs



Database Cloud Service

Overview

- #1 database; in the cloud
- Rapid provisioning
- Simple pricing
- Easy to use and manage
- Access using Java, RESTful Web Services and Oracle Application Express
- Rapid cloud-based application development
- Packaged business productivity applications



Database Cloud Service

Key Value Propositions



Flexible Deployment

On-premise or in the cloud



Ease of Use

Simple Pricing,
Self Service Provisioning



Managed Service

HA, Secure, Scalable



Runtime Access

Oracle Application Express,
REST, Java



Identity Management

Comprehensive & integrated



Standards

Full Oracle SQL support



Service Console

Common & integrated

Database Cloud Service

Licensing



- 3 levels of capacity
 - Pricing model based on size & data transfer
 - Month-by-month charges
 - Includes full Oracle Support
- Free 30-day trials
- Complete flexibility for cloud and on-premise development and deployment

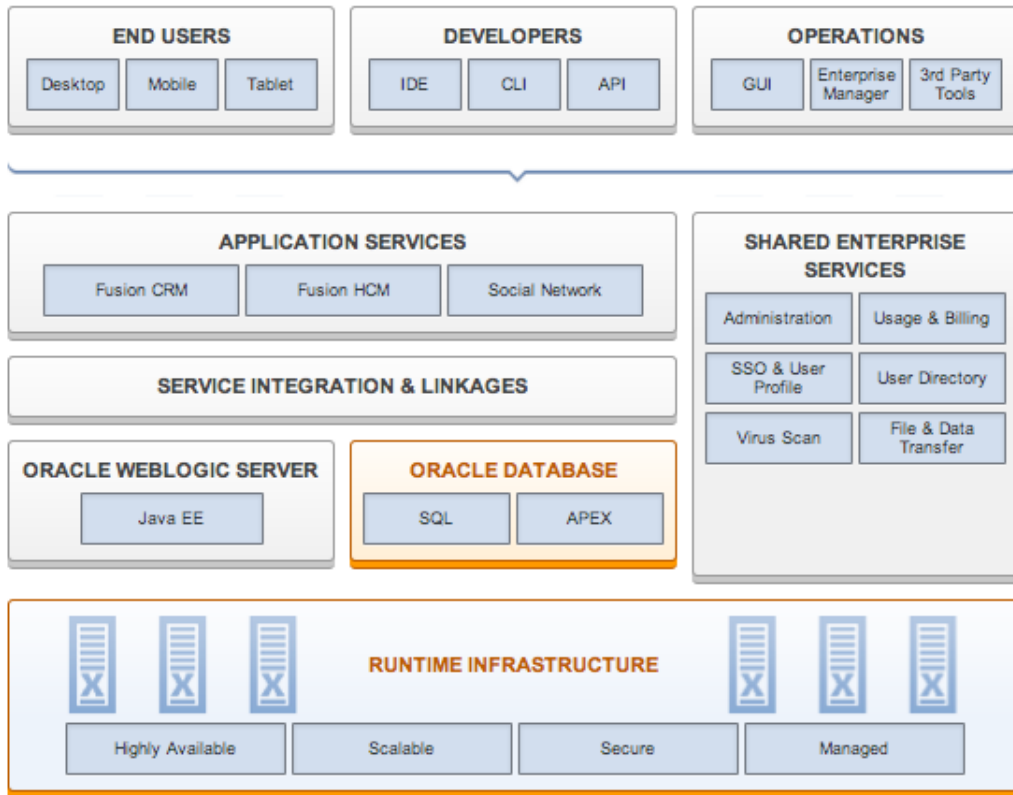
Database Cloud Service

Use Cases



- **Development**
 - APEX
 - Java (through Java Cloud Service)
 - Dynamic languages (with RESTful Web services)
- **Testing**
 - Bulk load tool included
- **Deployment**
- **Experimentation and training**

Oracle Database Cloud Service



• Database

- Oracle 11g Release 2 EE
- Highly Available
- Secure
- Managed Service

• Data Access Methods

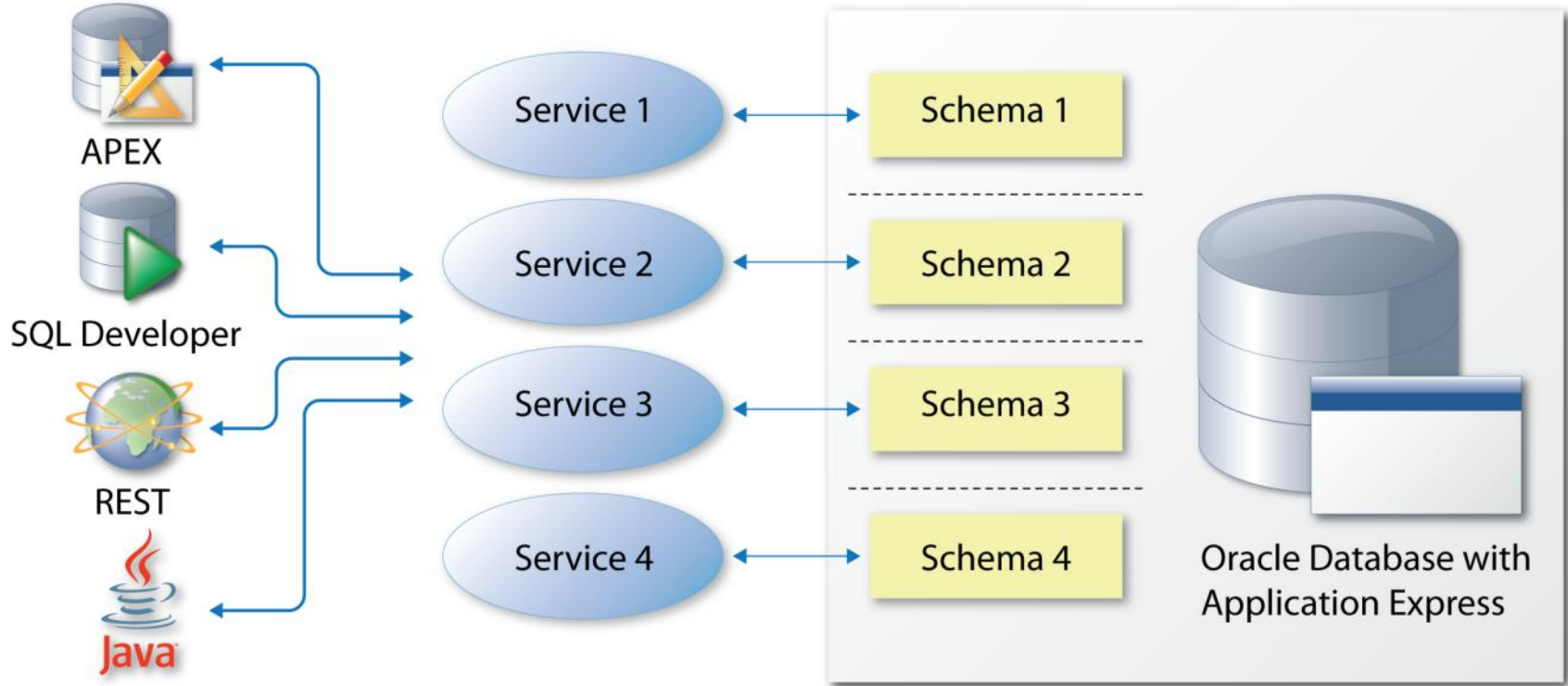
- SQL & PL/SQL
- Java Service
- Oracle Application Express Apps
- RESTful Web Services
- Data Pump

• Developer Interfaces

- Application Express Builder
- Application Express SQL Workshop
- SQL Developer

Database Cloud Service

Schema Isolation

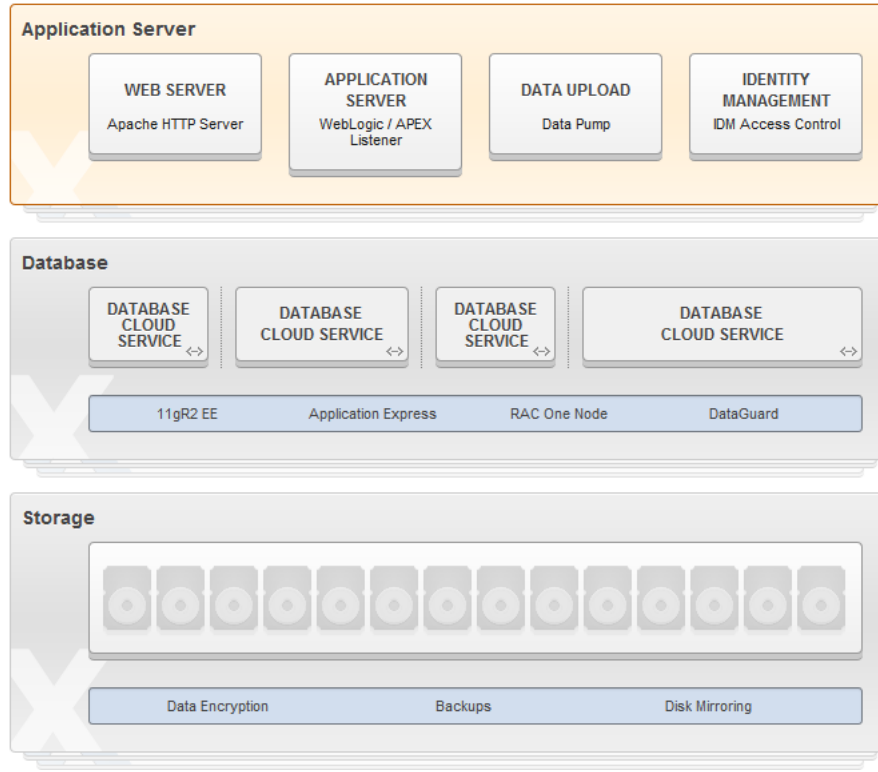




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Database Cloud Service

Architecture



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Database Cloud Service

Architecture

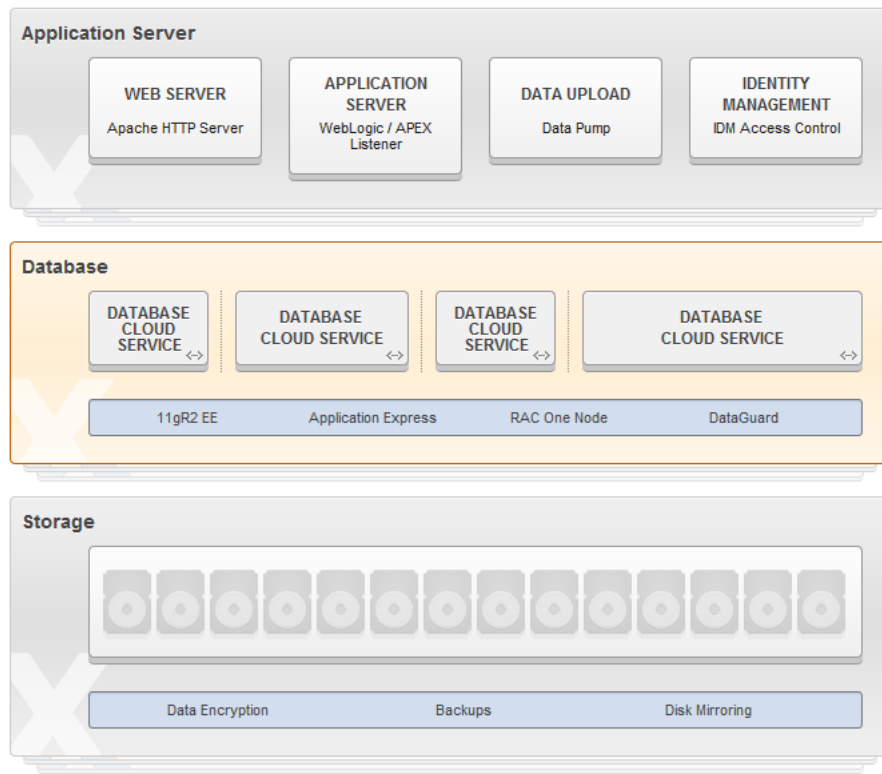


- **Application Server**

- **Web Server:** HTTPS requests through Apache, directed to the Oracle WebLogic Application Servers for processing.
- **Application Server:** WebLogic and APEX Listener handle requests for RESTful Web Services and APEX applications
- **Data Upload:** Data Pump files can contain data and database object definitions, including stored procedures and triggers.
- **Identity Management:** User credentials managed by Oracle Identity Management (IdM). Java and APEX applications can use IdM for authentication services.

Database Cloud Service

Architecture



Database Cloud Service

Architecture

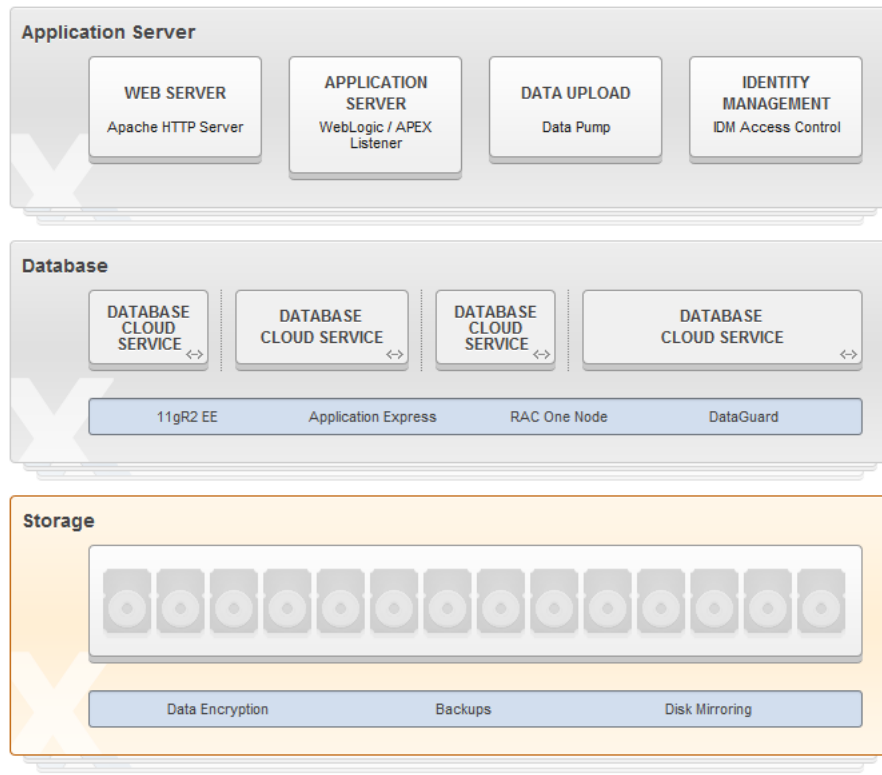


- **Database**

- Each Database Cloud Service uses a single Oracle database schema with expandable tablespace
- The Oracle schema provides full isolation for each individual Database Cloud Service
- Unlimited tables, rows, and columns spanning the full range of data types

Database Cloud Service

Architecture



Database Cloud Service

Architecture



- **Storage**

- Oracle Automatic Storage Management
 - Stripes data across multiple disks, for performance
 - Mirrors data for protection
 - Data is available online even if disks fails
- Data is encrypted on disk and when backed up.
- Regular backups are included as part of the service
- Protection without management overhead

Database Cloud Service

Key Features



- **Components**

- Database access through RESTful Web Services
 - Full power of SQL and PL/SQL
- Application development and deployment with Oracle Application Express
- Packaged business productivity applications
- Tools and Utilities

Database Cloud Service

Key Features



- **RESTful Web services**

- Interaction with data sources through the use of URIs
- Standard method for accessing data in the Cloud
- Wizards available to create services which implement any SQL statement or PL/SQL procedure
- Data returned in JSON format by default
- Additional formats available through use of PL/SQL



Database Cloud Service

Key Features



- **Oracle Application Express (APEX)**

- Rapid Application Development (RAD)
- Declaratively build Web 2.0 applications
- Browser based for Development, Deployment and Use
- Applications can be easily run on any Oracle platform: from the Oracle Database Cloud Service to in-house data centers to the Oracle Database XE installed on a laptop.



Database Cloud Service

Key Features



- **Packaged business productivity applications**
 - Service includes set of Business Productivity Applications
 - Installable with only a few clicks using a browser based interface
 - Production-ready applications include Project Management, Shared Calendars, Checklists, etc
 - Support for third-party applications, sharing same infrastructure and user pool



Database Cloud Service

Key Features



- **Productivity Apps**

- Project Tracker
- Checklist Manager
- Customer Tracker
- Group Calendar
- Product Features
- Bug Tracker
- Asset Manager
- Document Library
- Survey Builder

- **Sample Code**

- Mobile Sample App
- Interactive Reports
- Calendars
- Charts
- Data Loading
- Dynamic Actions
- Master-Detail Forms
- Tabular Forms
- Error Handling

Database Cloud Service

Key Features



- **Tools and Utilities**

- Tools for monitoring and management of available services
- Manage users with Oracle's Identity Management solution
- Browsers-based SQL Workshop to manage database objects, run SQL and SQL Scripts, develop PL/SQL code
- SQL Developer to interact with data and perform data import/export via Oracle Data Pump

Database Cloud Service

Characteristics



- **Ubiquity:** access through any browser or platform
- **Elasticity:** several sizes, simple storage and transfer metrics
- **No acquisition cost:** no initial cost to sign up
- **Low ongoing costs:** a single subscription cost, includes standard maintenance and Oracle Support
- **Simplicity:** provision service in minutes, simple administration and monitoring interfaces



D E M O N S T R A T I O N

Oracle Database Cloud Service

Database Cloud Service

Key Benefits



- **Simplicity**
 - Simple to use and administer, simple to develop, simple pricing
- **Portability**
 - Easy to move to any platform that supports the Oracle database
- **Enterprise Strength**
 - Built on Oracle technology
- **Productivity**
 - Use IT resources more effectively



Hardware and Software

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Engineered to Work Together

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