Introducing
Oracle WebLogic Server on Oracle Database Appliance
Oracle Database Appliance with WebLogic Server

Virtualization on Oracle Database Appliance

Support Isolated Virtualization Tiers

- **Simple** to implement
- Designed and priced to **scale**
- **Performance** improves as you scale
- Highest levels of **serviceability**
- Highest **availability** for this class of machine
- **Full Database** capability
- Now supporting **Oracle VM for WebLogic Server** and Applications
Oracle Database Appliance with WebLogic Server

A simple, affordable and reliable low maintenance appliance with a highly available WebLogic Server and Oracle RAC deployment

• Simplified provisioning/install
  – Under 120 minutes to a best-of-breed HA Web virtualized application and database infrastructure

• Simplified investment model
  – Pay-as-you-grow with virtualized pricing as your workload changes

• Simplified maintenance
  – Integrated patching – one-throat-to-choke

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Simple
Easy Deploy, Manage, Maintain
Reduced Installation and Administration Effort

Time
Build Your Own
Oracle Database Appliance

Installation Expertise
Optimization Expertise
Network Administration
Storage Administration
System Administration
Database and WebLogic Server Administration

Savings
Oracle Appliance Manager

Cost

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Rapidly Deploy Database and WebLogic Cluster
Simple to Install

Plug in the power
Plug in the network
Wizard-driven install
Welcome to Oracle Appliance Manager

Provide information about your system name and configuration in the following screens, and save the parameter file so that you can use it as a guide for network configuration.

If you are ready to install, then you can load a previously created configuration file. You can also modify a configuration file that you have created earlier, or create completely new.
Easy to Configure Application Infrastructure
Oracle Database and WebLogic Server Configuration

- A starting point with a RAC Database
- A starting point with a highly available WebLogic Server configuration
- Access to the WebLogic Admin Console
- Access to use Enterprise Manager for management, monitoring
- Can be further customized
Reliable
# Built-In Reliability

## Redundant Hardware
- 2 x dual-socket Oracle Linux servers
  - 32 Intel Xeon processor X5675 cores
  - 512 GB main memory
- 18 TB raw disk storage
- 800 GB solid state storage
- Support for Additional 1 x 2RU Storage Expansion Shelf
  - Direct-Attached
  - 4 x 2.5" 200 GB SSD for Redo
  - 20 x 2.5" 900 GB HDD for Data
- Built-in redundancy
  - Server, storage, network, power and cooling

## Reliable Software
- Oracle Database 11g Enterprise Edition
  - Real Application Clusters (RAC)
  - RAC One Node
  - Single instance
- Oracle grid infrastructure
- Oracle WebLogic 11g and 12c
  - Active GridLink for RAC
- Oracle Linux
- Oracle Appliance Manager
# Three Tiers of Availability of Oracle Database Integrated with WebLogic Server

<table>
<thead>
<tr>
<th>DB Single Instance</th>
<th>DB Active – Passive</th>
<th>DB Active – Active</th>
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<tbody>
<tr>
<td>• Good Availability</td>
<td>• Better Availability</td>
<td>• Best Availability</td>
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<tr>
<td>• Oracle Database 11g Enterprise Edition</td>
<td>• Oracle Database 11g Enterprise Edition</td>
<td>• Oracle Database 11g Enterprise Edition</td>
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<tr>
<td>• Oracle WebLogic Server Integration</td>
<td>• Oracle Real Application Clusters One Node</td>
<td>• Oracle Real Application Clusters</td>
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<td></td>
<td>• Can have mutual failover</td>
<td>• Mutual failover and load balancing</td>
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<td></td>
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<td>• Oracle WebLogic Server Integration</td>
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Good Availability Active/Passive

- Provides protection from node failure
- Standardize across all sorts of systems
- Shared DB storage

High Availability Active/Active

- HA with leveraging standby site resources
- No loss of sessions during the failover time
- Shared DB storage
Affordable
Pay As You Grow

Option 1: Build your own

- License 24 cores for anticipated growth

<table>
<thead>
<tr>
<th>Cores</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
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<tbody>
<tr>
<td>24</td>
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Option 2: Buy Database Appliance

- License as you grow and save significantly

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
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<tbody>
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</table>

OR

Pay It All Now

Pay As You Grow
When to Use the Oracle Database Appliance with WebLogic Server

Ideal for SMBs and Departmental Systems

• Database(s) up to a maximum of 4 TB of data
• Fast, efficient replacement of aging servers
• Highly available for Middleware application deployment
• Higher availability for application databases
• Efficient use of all resources within the appliance
• Migrate and consolidate databases and WebLogic Servers
Wide Range of Oracle & ISV Applications

Horizontal

Finance

Healthcare

Manufacturing

Telcos

Retail

Government

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World’s Most Popular Database
World’s #1 Enterprise Application Server

- Database Share
- Database for Data Warehouses
- Database for Enterprise Applications

- Application Server Share
- Application Server Performance
- Application Server Database Integration
For More Information

oracle.com/databaseappliance

oracle.com/partners/goto/databaseappliance

oracle.com/technetwork/middleware/weblogic-oda/overview/index.html
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