ORACLE

ACHIEVING THE TRUE PRIVATE CLOUD

HOW THE ORACLE DATABASE APPLIANCE BREAKS THROUGH THE HYPE TO FIT THE BILL

Transitioning to a cloud solution—whether public, private or hybrid—has emerged as a top priority for IT departments looking to achieve a more flexible, productive and cost-effective IT environment. As more organizations begin this transition, compliance, security, disaster recovery and resource management challenges cause IT leaders to consider a private cloud solution. Unfortunately, many cloud providers offer private cloud implementations, but most are not able to replicate the agility found in the public cloud.

In order to find a private cloud service that could truly mimic the best benefits of the public cloud, Wikibon, a business technology information leader, introduced the idea of the *true* private cloud and launched an extensive research study to find an appliance that met their new standards.

In the end, the answer was clear—they determined the Oracle Database Appliance was a perfect example of a solution that follows the guidelines of the true private cloud to offer **lower cost of operations and maintenance** and **faster time to value**.

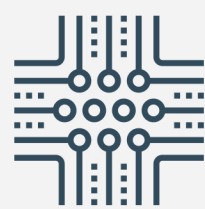> The Oracle Database Appliance meets the strict Wikibon definition of a true private cloud.
> —Wikibon

4 IMPORTANT PILLARS OF A TRUE PRIVATE CLOUD

1 A HIGHLY CONVERGED, SINGLE-SOURCE INFRASTRUCTURE TO SIMPLIFY IMPLEMENTATION

Rather than using separate solutions and/or vendors for hardware, operating systems, hypervisors, middleware and databases, users of a true private cloud get these elements as a single package that **can be updated and renewed all together.**

Additionally, utilizing a database solution with a simplified infrastructure not only **reduces the cost of maintenance,** but also **lowers deployment, enhancement and testing costs.**

HOW THE ORACLE DATABASE APPLIANCE FITS THE BILL

With the Oracle Database Appliance, Oracle is the single source for hardware, operating system and database. This means that users can receive a **single update for all elements** on a quarterly basis, pay for them on a single contract, and look to **one source for upgrades, maintenance and troubleshooting.**

2 OFFERS HIGH VIRTUALIZATION OF SYSTEM RESOURCES TO REDUCE PROCESSING WASTE

With a true private cloud, servers, operating systems, storage and other resources are emulated virtually. Virtualization of resources allows for partitioning, which **reduces processing waste.**

HOW THE ORACLE DATABASE APPLIANCE FITS THE BILL

Users have the option to utilize the Oracle Virtual Machine, which implements a hard partition virtualization that uses fixed allocation to **lower overhead costs.**

Additionally, integrating the Oracle Database Appliance in an enterprise IT network environment **only requires a few hours of network administration** due to its compatibility with Oracle's database prerequisites.

3 PROVIDES A HIGH DEGREE OF ORCHESTRATION AND AUTOMATION FOR ULTIMATE AGILITY

True private clouds are heavily automated, allowing them to be just as **agile as a public cloud.** They also enable developers, line-of-business users and other end users to **quickly turn on and off certain features, and make management and data recovery easy.**

HOW THE ORACLE DATABASE APPLIANCE FITS THE BILL

The Oracle Database Appliance is fully compatible with a number of Oracle and other vendor products that **make management simple,** including:

- Integrated Lights Out Manager: **Provides remote management and support** for LDAP, Microsoft Active Directory and RADIUS
- Oracle Enterprise Manager: Using a plug-in extension, this solution can be set up by the database administrator to **achieve orchestration and automation**
- Oracle Global Data Services: Automatically replicates databases for **seamless recovery** in the event of a data disaster

4 OFFERS A SMOOTH EXPERIENCE VIA AN ABILITY TO LINK TO PUBLIC CLOUDS

For organizations that use a hybrid cloud model, a true private cloud should have the ability to integrate with a public cloud to **provide a seamless experience.**

HOW THE ORACLE DATABASE APPLIANCE FITS THE BILL

The Oracle Database Appliance **provides links to Oracle public clouds** through its PaaS extensions. This allows organizations that want an on-premises database machine to access any files they may be hosting through the Oracle Public Cloud, giving them **more flexibility and agility** to get the job done.

The Oracle Database Appliance can save organizations up to

72%

on infrastructure architecture, procurement, installation, configuration and documentation.
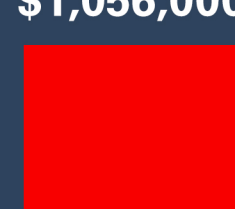
TOTAL 3-YEAR COST

$2,767,000

$1,056,000

Traditional White Box Deployment

Oracle Database Appliance

Read the full Wikibon article about the benefits of achieving a true private cloud solution with Oracle Database Appliance,

ORACLE DATABASE APPLIANCE EVOLVES AS AN ENTERPRISE PRIVATE CLOUD BUILDING BLOCK →

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