



## The Database Solution for Tomorrow

*The Vendita Database Cloud Server (DCS) packages Oracle & other databases for easy data center installation, with features that immediately improve performance, reduce cost & increase scalability for growing business needs.*

### Highlights:

- Vendita's Database Cloud Server is a next-generation solution for databases.
- DBAs can enjoy ease-of-ownership benefits, including a try-before-you-buy program & almost no installation time on extremely scalable hardware architecture.
- The Vendita DCS is packaged with Vendita's Master Automation Sequencer (MAS), opening up a world of possibilities for automation.

DBAs face a considerable daily workload. The primary responsibilities of securing, backing-up, and tuning database servers take a substantial amount of time – time that's also needed for important projects, like enterprise and custom-developed software maintenance and support. When it comes time to spec out new server hardware, there is little or no time left in a DBA's schedule.

Database servers have unique requirements around the configuration of operating systems, storage systems and networking. To meet those requirements, DBAs must work closely with systems administrators, storage administrators, and network engineers. That added complexity makes the process of configuring enterprise database servers an arduous task. To solve this problem the IT marketplace features database appliances and engineered systems that eliminate configuration and deployment challenges. These solutions come with their own set of issues, including high cost and architectural limitations. Vendita's Database Cloud Server (DCS) is the first solution to provide all the benefits that motivate DBAs to consider an engineered offering with *none* of the limitations.



### How Vendita DCS Makes A DBA's Life Easier

Vendita DCS includes all operating system and database software, pre-installed on a hardware and operating system architecture optimized for performance and efficiency. Configured to customer network specifications *before* it ships, Vendita DCS cuts installation time, transitioning from shipping pallet to data center rack and online within hours.

## Vendita

Database Administrator Briefing

Database Cloud Server (DCS)

### PRIVATE CLOUD CAPABLE

Vendita DCS features hardware partitioning that allows the deployment of multiple servers on a single server frame. The elasticity – ability to grow – that these multiple servers on a single server frame offer make the solution extremely cloud-capable. Vendita DCS is an enabling technology for a private cloud, on-premises or in a co-location infrastructure scenario.

### ARCHITECTURAL OPTIONS

Vendita DCS' partitions can support IBM AIX® and Red Hat Enterprise Linux – a versatility that allows support of multiple database platforms, including:

- Oracle Database
- PostgreSQL
- MariaDB (MySQL)
- MongoDB

Vendita DCS' partitions can also be used to host application servers, as well as LAMP applications.

Vendita DCS hardware avoids hardware architectures that are needlessly complex and proprietary. Based on a single 4U or 6U server frame, Vendita DCS makes it easy for customers to easily add storage drawers based on storage requirements.

### SCALABILITY

Vendita DCS customers enjoy a “future-proof” enterprise architecture. The hardware-partitioning feature allows for CPU, memory, and storage to be allocated to servers as needed. As databases grow, additional CPU storage and memory may be allocated, quickly and painlessly. No other engineered system offers this level of control over server resources.

### UPGRADE ON YOUR TERMS

Database and platform migrations are tough. Adding the complexity of upgrading to the latest version of Oracle during a hardware migration is not ideal, and may not be desirable for other reasons, like current enterprise software requirements. Unlike competitive offerings, Vendita DCS allows DBAs to keep existing versions of Oracle and upgrade on their own terms.

### MAXIMIZE UPTIME

Based on hardware far more reliable than x86 hardware, Vendita DCS features the same RISC processor technology that has driven the Mars rover, *Opportunity*, since 2004, and is found behind some of the world's most critical financial and trading systems. The IBM POWER® server hardware does not possess the high failure rate of commodity x86 hardware, negating the need to run Oracle RAC to survive server failures.

### AUTOMATION

Every Vendita DCS includes the Master Automation Sequencer (MAS) software for provisioning new partitions. More than just an installation tool, MAS builds a complete workflow engine capable of constructing and executing automations on nearly any operating system or database software. Interaction with MAS is via command line interface.

Sequences for Oracle and operating system upgrades are available from Vendita, or can be developed individually. MAS allows the automated upgrades and patches to apply quickly and consistently across all servers with zero possibility of human error.

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### Database Administrator Briefing

#### CUT COSTS ✂

Purchase and support costs make convincing CIOs, directors, and managers to invest in engineered systems a challenge. Vendita DCS offers costs savings with short and long-term budget impact. Engineered specifically to reduce the expenses of procuring and operating Oracle Database, Vendita DCS achieves a 4:1 performance advantage over most engineered systems. The solution's hard partitioning options and processor sharing make it possible to distribute Oracle licenses among multiple servers. Vendita DCS customers can enjoy further cost savings through the efficient utilization of multiple licensing metrics.

#### REDUCE YOUR ORACLE FOOTPRINT ↓



Vendita's DCS supports EnterpriseDB, a 100% Oracle-compatible database that is based upon PostgreSQL, an ideal replacement for Oracle Database.

Many organizations have non-critical reporting or transactional databases that make EnterpriseDB an excellent and vastly less expensive database choice, as licensing EnterpriseDB is 40X lower than Oracle.

#### ORACLE LICENSE MONITORING 🔍

Vendita DCS features another savings tool – Vendita's Oracle license usage monitoring. During Oracle audits, many organizations must pay non-compliance fees because of how easy it is to unknowingly enable Oracle features, creating license audit liabilities. Resolving these license issues can cost thousands and even millions of dollars.

## Database Cloud Server (DCS)

Vendita DCS' Oracle license feature usage monitoring eliminates the possibility of any costly out-of-compliance surprises during an Oracle software audit.

#### TAKE A TEST DRIVE 🚗

Vendita offers a try-before-you-buy program that provides prospective client DBAs and infrastructure experts direct access to Vendita DCS for testing performance with their custom workloads. The program allows technical teams to verify the Vendita DCS' capabilities and deliver assurances only possible through hands-on experience.

#### FURTHER INFORMATION ⓘ

For additional information regarding the Vendita Database Cloud Server (DCS) or any of the concepts covered in this briefing, please contact Vendita:

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