EXADATA-AS-A-SERVICE

NRB

DARING TO COMM**IT**

NRB OFFERS ORACLE EXADATA-AS-A-SERVICE

- Fully managed stack dbPaaS
- Pay-what-you-use / Grow-as-you-go
- Most performant & powerful Oracle solution
- Bring your own license

EXADATA – THE MOST POWERFUL ORACLE DATABASE MACHINE

Oracle Exadata Database machine is a combined compute and storage system marketed for running Oracle database software. It is engineered to be the highest performing and most available platform for running Oracle Databases. Oracle Exadata Database Machine is a modern architecture featuring scale-out industry-standard database servers, scale-out intelligent storage servers, and an extremely high speed InfiniBand internal fabric that connects the database and storage servers.

Oracle Exadata Database Machine includes all the hardware needed to run Oracle Database. The database servers, storage servers and network are pre-configured, pre-tuned and pre-tested by Oracle engineers. This ensures that all components work together and there are no performance bottlenecks or single points of failure that can affect the complete system.

Thanks to unique software algorithms in Oracle Exadata Storage Server, the system delivers an intelligent offload of the database processing to the storage layer: Hybrid Columnar Compression, Transparent Data Encryption, Column projection, Predicate filtering, Storages indexes, Oracle In memory, Write-Back Flash Cache and Smart Flash Logging.

SOLUTION

The NRB "Exadata-as-a-Service" is an offering delivering Oracle database services on an Exadata platform with high service levels for production and non-production environments.

It offers the customer total control of his infrastructure. His Oracle license costs are limited to the cores he actually uses in a Bring Your Own License mode (BYOL). He will have a very low TCO as the capacity is directly related to his business needs. In this model he can start very low and then "grow-as-you-go" in a "pay-what-you-use" model in a full managed stack dbPaaS.

Thanks to our Innovation Labs, the customer is able to experience the Exadata benefits supported by our local engineers who have deep knowledge and in-depth experience to design and tune his applications as well as to reap the full benefits of Oracle Exadata.

SERVICES PROVIDED

- High Peformance on Exadata
- Pay Per Use tariff model
- Hybrid License Strategy - Bring your own license
- Certified Oracle Maximum Availability Architecture
- Oracle Platinum Support on Hardware
- Innovation Labs for Oracle Exadata is dedicated to customer Proof of Concept (POC)
- Oracle VM for business isolation
- Temporary capacity on Demand

BENEFITS

- Extreme Performance Gain
- Reduce Total Cost of Ownership (TCO)
- Capex transferred to Opex
- No investments (bring your own license)
- 25% more db server cpu capacity thanks to storage server optimisation
- Licenses only for the cores that you use
- Rapid provisioning and grow-as-you-go
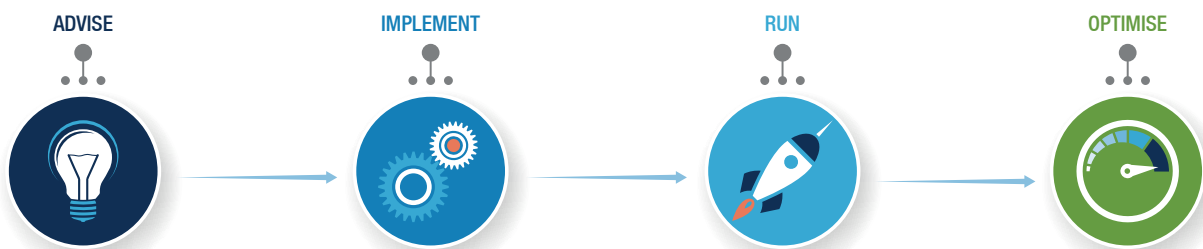- Single vendor infrastructure

EXTENDED SERVICES

- Guidance and application optimisation for Exadata – upgrade of your application to an engineered solution
- 24/7 advanced and proactive monitoring based on defined and dedicated SLAs to protect your critical assets and operations
- Insourcing / transformation from customer to NRB (move/migrate Data + App to NRB DC)

APPROACH

NRB's Exadata-as-a-Service opens the Exadata high performance solution to mid-size and large companies that need high service levels for production and non-production environments. We help them optimize their IT infrastructure for mission critical systems and reduce costs, while enabling the transformation of the business to embrace new digital opportunities. In this model one can start very low with e.g. a small VM 2 cores, 40 Go RAM, 250 Go storage and extend up to infinity and beyond in a full managed stack dbPaaS.
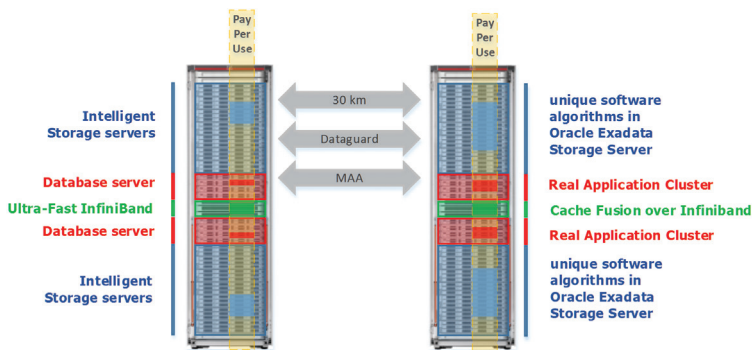
By joining our Exadata Innovation Lab, we invite the customer to work closely with our Exadata experts and to jump-start his Exadata journey.

ADVISE   **IMPLEMENT**   **RUN**   **OPTIMISE**

ARCHITECTURE

NRB's Exadata-as-a-Service platform has built in hardware redundancy, helping protect against un-planned outages.

Our resilient data centers are located in Belgium, meaning that the customers' data stays locally.

Pay Per Use

Pay Per Use

Intelligent Storage servers

Database server
Ultra-Fast InfiniBand
Database server

Intelligent Storage servers

30 km
Dataguard
MAA

unique software algorithms in Oracle Exadata Storage Server

Real Application Cluster
Cache Fusion over Infiniband
Real Application Cluster

unique software algorithms in Oracle Exadata Storage Server

PAY PER USE CONFIGURATION EXAMPLES

Typical Confuguration		CPU ● ▲ ● MEMORY ● ▲ ● STORAGE ● ▲ ●	CPU ● ▲ ● MEMORY ● ▲ ● STORAGE ● ▲ ●	CPU ● ▲ ● MEMORY ● ▲ ● STORAGE ● ▲ ●
Compute capacity	12 cores	4 cores	16 cores	32 cores
Memory capacity	40 Go	40 Go	100 Go	200 Go
Storage capacity	1 To	100 Go	500 Go	2500 Go

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