



We enable highly regulated industries that rely on data storage in Switzerland to migrate data and applications to the modern IT world.

## The cloud-based database *from Switzerland for Switzerland*: you can benefit from the synergies created by the partnership between Swisscom and Trivadis.

### What is the Managed Oracle DB Service?

Database management is time-consuming, takes up a huge amount of resources and yet is unavoidable. A secure, cost-effective solution is the Managed Oracle Database Service, which offers a cloud-based approach to data management and storage as a managed service. Data storage and operations are managed by Swiss-based experts, allowing you to concentrate on your core business. Depending on your requirements, your data is completely or only partially – using a hybrid solution – outsourced to the cloud. The Managed Oracle DB Service is particularly suitable for performance-intensive, business- and security-critical applications. Thanks to the partnership between Swisscom and Trivadis, you will receive optimal support: while Trivadis develops and operates the platform, Swisscom provides access to its cloud with the highest possible security standard – and everything is based entirely in Switzerland.

### Your benefits with the Managed Oracle DB Service

- **Security standards with real Swissness**  
The service is provided exclusively in platinum data centres with operating teams in Switzerland. Customers are always allocated a virtual machine (VM) and the associated CDB, guaranteeing a totally isolated customer environment.
- **Reliability**  
With options such as RAC, Data Guard, DB Backups and proactive monitoring, your data is highly available and very secure. SLA values for recovery time (RTO) and recovery point (RPO) of up to 'Near to 0' are possible.
- **Low administrative costs and licensing**  
Outsourcing data storage and platform operations helps to save IT resources and operating costs. Virtualisation takes place with Oracle VM in accordance with Oracle's hard partitioning rules. Oracle On-Premise licences can (still) be used similarly to an installation on dedicated servers.
- **Scalability**  
Resources can be adapted as required – you only pay for what you allocate.





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## Facts & Figures

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### Basic services

#### The Oracle database platform

- Administration, operation and lifecycle of the database platform
- Further development of the service and service features
- Full integration into the Swisscom Cloud (API, portal, connectivity)

#### The Oracle database

- Automatic provision of Oracle databases (CDB/PDB ready)
- Scalable allocated resources (vCPU & RAM)
- Allocation- and usage-based billing (pay-as-you-go)
- Licensing through BYOL (bring your own licence)
- Monitoring, maintenance and troubleshooting with support either in office hours only or 24/7.



### Regular option

#### Regular Managed DB

For simple database requirements such as for non-core applications – applications that are not RAC-compatible. Availability between 99.5% and 99.9%, depending on the selected service level.

#### Regular Storage

Dual redundancy is provided in each data centre. At the higher service level – Advanced – a Data Guard is used to store data in a second data centre, providing quadruple data redundancy.



### High-end option

#### High End Managed Oracle DB

For high-performing database requirements such as DWH or core applications particularly suitable for RAC and Exadata architectures. 99.9% availability and Oracle's suggested MAA (Maximum Availability Architecture) are available with this option.

#### High End Storage

Tripe redundancy (ASM High Redundancy) is provided. At the higher service level – Advanced – a Data Guard is used to store data in a second data centre, providing six-fold data redundancy.



### Optional services

#### Backup (Zero Data Loss Recovery Appliance)

The database is protected by Oracle Recovery Manager (RMAN). Backups are stored redundantly at two data centre locations. PiT (Point in Time) Restore is available for 11 days.

#### Encryption uplift

For each PDB, the encryption uplift option can be chosen, in which the tables are encrypted.

#### Multi-tenant solution

With Oracle Multitenant, it is possible, using pluggable databases (PDBs), to operate logically separate databases in a shared container database (CDB).

The consolidation of resources is an advantage and users in specialist departments can work with their own databases (sandbox principle). The Managed Oracle DB Service is designed to support use of this Oracle option.

#### Data Guard

An additional Oracle standby database (mounted) that can be operated at an additional data centre location. If the primary database fails, the standby database assumes the role of primary database.

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You can find more information and our expert's contact details at <http://swisscom.ch/oracle>.