



# Base Database Service - Standard Edition - VM

All-in-One Datasheet (Beta) Produced by DBExpert

## Overview

Oracle Standard Edition 2 on an elastic VM, managed using the Console, APIs, CLIs, Enterprise Manager, or SQL Developer. Standard Edition 2 includes Multitenant for up to three Pluggable Databases (PDBs), Machine Learning, and Spatial and Graph. Deploy up to 8 OCPUs (16 CPU threads). All of the Base Database Service editions include Data Safe and Oracle Database Transparent Data Encryption (TDE).

Visit the [DB Expert Services Taxonomy page](#) to get the latest version of this data sheet and see data sheets for all of the Oracle Cloud Database services.

## Deployment

Database Type	Single Database
Management Model	Co-managed PaaS
Supported Cloud Environments	Oracle Cloud Infrastructure
SKUs for starting configuration	B90569 (OCPU) or B90573 (OCPU BYOL) B91961 (DB storage) B91962 (DB storage performance units) Backups - Oracle Database Autonomous Recovery Service - B95240 or Oracle Database Zero Data Loss Autonomous Recovery Service - B95241
DB Versions Supported	Oracle 23ai (Long-term release), Oracle 21c (Innovation release), Oracle 19c (Long-term release)
Hardware Infrastructure	Shared General Purpose

## Usage Models

Recommended Workloads	Blockchain Graph Mixed Workload (Transaction + Analytics) Transaction Processing (OLTP) Vector
Recommended Data Models	Document Store (JSON) Document Store (XML) NoSQL Spatial Text Vector

<b>Certified Oracle Applications</b>	Enterprise Performance Management (Hyperion) 11.2 JD Edwards EnterpriseOne Tools 9.2.6 and later Oracle APEX Oracle Fusion Middleware 14.1.2.0.0 Oracle Primavera P6 EPPM Version 23 Siebel Enterprise Server 25.2 and later
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## Capacity

<b>Configuration Options</b>	Base Database Service supports flexible shapes. When you create an instance using a flexible shape, you select the number of OCPUs that you require for the workloads that run on the instance. Flexible shapes let you customize the number of OCPUs allocated to the instance. This flexibility lets you build instances that match your workload, enabling you to optimize performance and minimize cost. The amount of memory allowed is based on the number of OCPUs selected, and the ratio of memory to OCPUs depends on the shape.
<b>CPU Range</b>	1 to 8 OCPUs
<b>Shapes</b>	VM.Standard.E5.Flex (SE) OCPUs: 1 to 8 Max DB TB: 80 VM.Standard3.Flex (SE) OCPUs: 1 to 8 Max DB TB: 80
<b>CPU scaling</b>	Offline
<b>Storage scaling</b>	Online
<b>Max IOPs</b>	8K: 128k
<b>Max Throughput</b>	1000 MBPs
<b>Max Memory</b>	16 GB per OCPU up to 128 GB

## Availability

<b>Nines of availability (may require configuration)</b>	99.9 SLO
<b>Oracle DB Maximum Availability Architecture medals (for OCI / Cloud@Customer deployments)</b>	Bronze

<b>Automated backups max retention</b>	up to 95 days
<b>Long-term backup retention (up to 10 years)</b>	Yes

## Functionality Included

<b>Included Oracle DB Options for license-included service (*)</b>	Spatial and Graph
<b>Included Oracle EM Packs for license-included service (*)</b>	None
<b>Free Add-Ons (no extra licensing required)</b>	Oracle APEX Oracle Data Safe Oracle GoldenGate 1) Limited Use Term License Promotion and 2) Oracle GoldenGate Database Migration Term (both available on Oracle Cloud Marketplace) Oracle REST Data Services (ORDS) SQL Developer Web

\*Check service documentation for feature availability and limitations

## Locations

### Oracle Cloud Infrastructure

**APAC:** AU Gov Southeast - WGA, Chuncheon - YNY, Hyderabad - HYD, Melbourne - MEL (G), Mumbai - BOM (G), Osaka - KIX, Seoul - ICN (A), Singapore - SIN (A, G), Singapore West - XSP, Sydney - SYD (G), Tokyo - NRT (A, G)

**EMEA:** Abu Dhabi - AUH, Amsterdam - AMS (A), Dubai - DBX, EU Sovereign Central - STR, EU Sovereign South - VLL, Frankfurt - FRA (A, G), Jeddah - JED, Jerusalem - MTZ, Johannesburg - JNB (A), Jovanovac - BEG, London - LHR (A, G), Madrid - MAD (G), Marseille - MRS, Milan - LIN, Newport - CWL, Paris - CDG, Riyadh - RUH, Stockholm - ARN, UK Gov South - LTN, UK Gov West - BRS, Zurich - ZRH (G)

**LAD:** Bogota - BOG, Monterrey - MTY, Queretaro - QRO, Santiago - SCL, Sao Paulo - GRU (G), Valparaiso - VAP, Vinhedo - VCP (A)

**North America:** Ashburn - IAD (A, G), Chicago - ORD, Montreal - YUL (G), Phoenix - PHX (A), San Jose - SJC (A), Toronto - YYZ (A, G), US DoD East - RIC, US DoD North - PIA, US DoD West - TUS, US Gov East - LFI, US Gov West - LUF

\* New services and hardware generations are rolled out across regions, check your region for current status. (A) = Interconnect to Microsoft Azure available. (G) = Interconnect to Google Cloud available

### Azure

None to date. Visit the Multicloud Updates page (link below) to check on potential roadmap items.

## Google Cloud

None to date. Visit the Multicloud Updates page (link below) to check on potential roadmap items.

## AWS

None to date. Visit the Multicloud Updates page (link below) to check on potential roadmap items.

[Multicloud Updates](#)

## Operational Controls

Allows installing additional software/agents on the host	Yes
Allows installing OS packages	Yes
Allows kernel changes	No
Allows OS runtime changes	Yes
Allows sysdba access	Yes
Oracle operator access control	No
Control DB patch level	Yes
Control DB release update (RU) level	Yes
Control DB version	Yes
Control maintenance window	Yes
Preview and Validate Patches for Zero-Regression SLO	No

## Additional Information

Open Source DB	No
Delta Sharing / Cloud Links	No
Select AI to Generate SQL from Natural Language Prompts	No
Mongo-compatible API	Yes
Supports non-CDB home	No

## Reference Links

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### General

[Oracle PaaS and IaaS Universal Credits Service Descriptions](#)

[Service Level Objectives](#)

[Oracle DB Maximum Availability Architecture medals](#)

[Oracle Cloud Infrastructure Compliance](#)

[Oracle Database Releases](#)

[BYOL FAQ](#)

[OCI Locations and Status](#)

[Oracle Database Multicloud Regions, Capabilities, Compliance, High Availability and Migration](#)

## **Service Specific**

[BaseDB SE Customer References](#)

[Cost Estimator](#)

[Database Cloud Service - Virtual Machine](#)

[Oracle Database Cloud Migration](#)