



# Base Database Service Arm - Enterprise Edition Extreme Performance - VM

All-in-One Datasheet Produced by DBExpert

## Overview

Oracle Enterprise Edition with maximum availability and security on one or two-node elastic VMs, managed using the Console, APIs, CLIs, Enterprise Manager, or SQL Developer. Enterprise Edition Extreme Performance (EP) includes all Oracle Database Enterprise Edition High Performance features plus Database In-Memory and Active Data Guard. 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 | B97199 (OCPU) or B97200 (OCPU BYOL)<br>B91961 (DB storage)<br>B91962 (DB storage performance units)<br>B91628 (backup storage) |
| DB Versions Supported           | Oracle 23ai (Long-term release), Oracle 19c (Long-term release)                                                                |
| Hardware Infrastructure         | Shared General Purpose                                                                                                         |

## Usage Models

|                         |                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recommended Workloads   | Analytics<br>Blockchain<br>Data Science / Machine Learning<br>Data Warehouse / Data Mart<br>Graph<br>Mixed Workload (Transaction + Analytics)<br>Transaction Processing (OLTP) |
| Recommended Data Models | Document Store (JSON)<br>Document Store (XML)<br>NoSQL<br>Spatial<br>Text                                                                                                      |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Certified Oracle Applications</b> | Enterprise Performance Management (Hyperion) 11.2<br>FLEXCUBE 14.7<br>JD Edwards EnterpriseOne Tools 9.2.6 and later<br>JD Edwards EnterpriseOne Tools 9.2.9.3 and later<br>Oracle APEX<br>Oracle E-Business Suite 12.1.3<br>Oracle E-Business Suite 12.2.3 and later<br>Oracle Fusion Middleware 14.1.2.0.0<br>Oracle Primavera P6 EPPM Version 23<br>PeopleSoft PeopleTools 8.62 and later<br>Siebel Enterprise Server 25.2 and later |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 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 57 OCPUs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Shapes</b>                | VM.Standard.A1.Flex<br>OCPUs: 1 to 57<br>Max DB TB: 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>CPU scaling</b>           | Offline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage scaling</b>       | Online                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Max IOPs</b>              | 8K: 640k                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Max Throughput</b>        | 5000 MBPs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Max Memory</b>            | 8 GB per OCPU up to 512 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> | Active Data Guard<br>Advanced Compression<br>Advanced Security<br>Database In-Memory<br>Database Vault<br>Label Security<br>Multitenant<br>Partitioning<br>Real Application Testing<br>Spatial and Graph                                          |
| <b>Included Oracle EM Packs for license-included service (*)</b>   | Cloud Management Pack for Oracle Database<br>Data Masking and Subsetting Pack<br>Database Lifecycle Management Pack for Oracle Database<br>Diagnostics Pack<br>Tuning Pack                                                                        |
| <b>Free Add-Ons (no extra licensing required)</b>                  | Oracle APEX<br>Oracle Data Safe<br>Oracle GoldenGate 1) Limited Use Term License Promotion and 2) Oracle GoldenGate Database Migration Term (both available on Oracle Cloud Marketplace)<br>Oracle REST Data Services (ORDS)<br>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 - DXB, 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 Arm EE EP Customer References](#)

[Cost Estimator](#)

[Database Cloud Service - Virtual Machine](#)

[Oracle Database Cloud Migration](#)