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Base Database Service - Enterprise Edition Extreme Performance - VM
All-in-One Datasheet (Beta) 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, Active Data Guard, Real Application Clusters and Application Continuity. 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	B90572 (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	Analytics Blockchain Data Science / Machine Learning Data Warehouse / Data Mart Graph Mixed Workload (Transaction + Analytics) Transaction Processing (OLTP) Vector

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Recommended Data Models	Document Store (JSON) Document Store (XML) NoSQL Spatial Text Vector
Certified Oracle Applications	Enterprise Performance Management (Hyperion) 11.2 FLEXCUBE 14.7 JD Edwards EnterpriseOne Tools 9.2.6 and later Oracle APEX Oracle E-Business Suite 12.1.3 Oracle E-Business Suite 12.2.3 and later Oracle E-Business Suite 12.2.7 and later Oracle Fusion Middleware 14.1.2.0.0 Oracle Primavera P6 EPPM Version 23 Oracle Value Chain Planning 12.2.7 and above PeopleSoft PeopleTools 8.62 and later Siebel Enterprise Server 25.2 and later

Capacity

Configuration Options	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.
CPU Range	1 to 128 OCPUs
Shapes	VM.Standard3.Flex OCPUs: 1 to 32 Max DB TB: 80 VM.Standard.E5.Flex OCPUs: 1 to 64 Max DB TB: 80 VM.Standard3.Flex * 2 (RAC) OCPUs: 4 to 64 Max DB TB: 80

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	VM.Standard.E5.Flex * 2 (RAC) OCPUs: 4 to 128 Max DB TB: 80
CPU scaling	Online
Storage scaling	Online
Max IOPs	8K: 1280k
Max Throughput	10000 MBPs
Max Memory	16 GB per OCPU up to 1 TB (per node)

Availability

Nines of availability (may require configuration)	99.9 SLO
Oracle DB Maximum Availability Architecture medals (for OCI / Cloud@Customer deployments)	Bronze, Silver, Gold, Platinum
Automated backups max retention	up to 95 days
Long-term backup retention (up to 10 years)	Yes

Functionality Included

Included Oracle DB Options for license-included service (*)	Active Data Guard Advanced Compression Advanced Security Database In-Memory Database Vault Label Security Multitenant Partitioning Real Application Clusters (Oracle RAC) Real Application Testing Spatial and Graph
Included Oracle EM Packs for license-included service (*)	Cloud Management Pack for Oracle Database Data Masking and Subsetting Pack Database Lifecycle Management Pack for Oracle Database Diagnostics Pack Tuning Pack
Free Add-Ons (no extra licensing required)	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)

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	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

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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

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 EE EP Customer References](#)

[Cost Estimator](#)

[Database Cloud Service - Virtual Machine](#)

[Oracle Database Cloud Migration](#)

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