



Base Database Service - Enterprise Edition High Performance - ECPU

All-in-One Datasheet Produced by DB Services Explorer

Overview

Oracle Enterprise Edition with added security and performance options on an elastic VM, managed using the Console, APIs, CLIs, Enterprise Manager, or SQL Developer. Enterprise Edition High Performance (HP) includes all Oracle Database Enterprise Edition features plus Partitioning, Multitenant support for up to 4096 PDBs, Advanced Compression, Advanced Security, Life Cycle and Cloud Management Packs. All of the Base Database Service editions include Data Safe and Oracle Database Transparent Data Encryption (TDE).

Visit the [DB Services Explorer Portfolio 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, Oracle Database@Azure and Oracle Database@Google Cloud |
| SKUs for starting configuration | B111587 (ECPU) or B111588 (ECPU BYOL) B111584 (DB storage) Backups - Oracle Database Autonomous Recovery Service - B95240 or Oracle Database Zero Data Loss Autonomous Recovery Service - B95241 |
| Oracle AI Database BYOL Support | BYOL Enterprise Edition (EE) |
| DB Versions Supported | Oracle AI 26ai (Long-term release), Oracle 19c (Long-term release) (Oracle DB@Azure, Oracle DB@Google Cloud only) |
| 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 |
| Recommended Data Models | Document Store (JSON) Document Store (XML) NoSQL Spatial Text Vector |
| Certified Oracle Applications | JD Edwards EnterpriseOne Tools 9.2.9.3 and later Oracle APEX AI Application Generator Oracle E-Business Suite 12.2.7 and later Oracle Fusion Middleware 14.1.2.0.0 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 ECPUs that you require for the workloads that run on the instance. Flexible shapes let you customize the number of ECPUs 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 allocated is based on the number of ECPUs selected. |
| CPU Range | 4 to 256 ECPUs in increments of 4 |
| Shapes | VM.Standard.x86 ECPUs: 4 to 256 Max DB TB: 40 |
| CPU scaling | Offline |
| Storage scaling | Online |
| Max IOPs | 8K: 640k |
| Max Throughput | 5000 MBPs |
| Max Memory | 8 GB per 4 ECPUs up to 512 GB |

| | |
|--|--|
| | |
|--|--|

Availability

| | |
|--|---------------|
| Nines of availability (may require configuration) | 99.9 SLO |
| Oracle DB Maximum Availability Architecture medals (for OCI / Cloud@Customer deployments) | Bronze |
| 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 (**) | Advanced Compression Advanced Security Database Vault Label Security Multitenant Partitioning 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 AI Application Generator 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 |

Security and Compliance

| | |
|--|-----|
| Recommended for hosting sensitive data and candidate for compliance with non-audited programs (customer responsibility) | Yes |
|--|-----|

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 |

(*) Capabilities may vary between cloud platforms. Please visit [Oracle Multicloud Capabilities](#) for more detailed information.

(**) Check service documentation for feature availability and limitations

Compliance Programs Achieved / Planned for Azure

C5 (Cloud Computing Compliance Controls Catalogue - Germany) - [Supported], CSA STAR Attestation - [Supported], CSA STAR Certification - [Supported], EU Cloud Code of Conduct (EU Cloud CoC), FISC (Center for Financial Industry Information Systems - Japan) - [Supported], GSMA (GSM Association) - [Supported], HDS (Hébergement de Données de Santé - France) - [Supported], HIPAA (Health Insurance Portability and Accountability Act) - [Supported], HITRUST (Health Information Trust Alliance) - [Supported], IRAP (Infosec Registered Assessors Program - Australia) - PROTECTED - [Supported], ISMAP (Information system Security Management and Assessment Program - Japan) - [Supported], ISO/IEC 20000-1 (Service Management) - [Supported], ISO/IEC 22301 (Business Continuity Management) - [Supported], ISO/IEC 27001 (Information Security Management) - [Supported], ISO/IEC 27017 (Information Security for Cloud Services) - [Supported], ISO/IEC 27018 (Personally Identifiable Information in Public Clouds) - [Supported], ISO/IEC 27701 (Privacy Information Management) - [Supported], ISO/IEC 9001 (Quality Management) - [Supported], MTCS (Multi-Tier Cloud Security - Singapore) - [Supported], PCI DSS (Payment Card Industry Data Security Standard) - [Supported], SOC 1 (System and Organization Controls 1) - [Supported], SOC 2 (System and Organization Controls 2) - [Supported], SOC 3 (System and Organization Controls 3) - [Supported]

Compliance Programs Achieved / Planned for Google Cloud

C5 (Cloud Computing Compliance Controls Catalogue - Germany) - [Supported], CSA STAR Attestation - [Supported], CSA STAR Certification - [Supported], EU Cloud Code of Conduct (EU Cloud CoC) -

[Supported], FISC (Center for Financial Industry Information Systems - Japan), GSMA (GSM Association), HDS (Hébergement de Données de Santé - France) - [Supported], HIPAA (Health Insurance Portability and Accountability Act) - [Supported], HITRUST (Health Information Trust Alliance) - [Supported], IRAP (Infosec Registered Assessors Program - Australia) - PROTECTED, ISMAP (Information system Security Management and Assessment Program - Japan), ISO/IEC 20000-1 (Service Management) - [Supported], ISO/IEC 22301 (Business Continuity Management) - [Supported], ISO/IEC 27001 (Information Security Management) - [Supported], ISO/IEC 27017 (Information Security for Cloud Services) - [Supported], ISO/IEC 27018 (Personally Identifiable Information in Public Clouds) - [Supported], ISO/IEC 27701 (Privacy Information Management) - [Supported], ISO/IEC 9001 (Quality Management) - [Supported], MTCS (Multi-Tier Cloud Security - Singapore), PCI DSS (Payment Card Industry Data Security Standard) - [Supported], SOC 1 (System and Organization Controls 1) - [Supported], SOC 2 (System and Organization Controls 2) - [Supported], SOC 3 (System and Organization Controls 3) - [Supported]

Compliance Programs Achieved / Planned for AWS

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

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), Madrid 3 - ORF, Marseille - MRS, Milan - LIN, Newport - CWL, Paris - CDG, Riyadh - RUH, Stockholm - ARN, Turin - NRQ, 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, G), 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

APAC: Australia East (New South Wales) (Live), Japan East (Tokyo, Saitama) (Live), Japan West (Osaka) (Live), Southeast Asia (Singapore) (Live)

EMEA: France Central (Paris) (Live), Germany North (Berlin) (Live), Germany West Central (Frankfurt) (Live), Italy North (Milan) (Live), North Europe (Ireland) (Live), Sweden Central (Gävle) (Live), UK South (London) (Live), UK West (Cardiff) (Live)

LAD: Brazil South (Sao Paulo State) (Live)

North America: Canada Central (Toronto) (Live), Central US (Iowa) (Live), East US (Virginia) (Live), East US 2 (Virginia) (Live), West US (California) (Live), West US 2 (Washington) (Live)

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](#)

Reference Links

General

[Multicloud Interconnect](#)

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

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

[Oracle Database Maximum Availability Architecture](#)

[Oracle Cloud Infrastructure Compliance](#)

[Oracle Database Releases Support Note](#)

[BYOL FAQ](#)

[OCI Locations and Status](#)

Service Specific

[BaseDB EE HP - ECPU Customer References](#)

[Cost Estimator](#)

[Database Cloud Service - Virtual Machine](#)

[Key concepts about the Oracle Database@Azure service and resources](#)

[Oracle Database Cloud Migration](#)

[Using Oracle Database@Google Cloud to run Oracle Databases in your existing Google Cloud environment.](#)