ORACLE

Autonomous AI Transaction Processing Serverless - Always Free

All-in-One Datasheet Produced by DBExpert

Overview

The Always Free version of Oracle Autonomous AI Transaction Processing Serverless provides a small compute shape and many of the capabilities of the paid product. Refer to the Free Tier website for details.
NEW -- A free container image that allows developers to run ATP-S and LAK-S in a container without requiring access to the Oracle Cloud Infrastructure Console or the internet. Test and develop locally in an OCI-like environment that includes Database Actions UI, ORDS, and MongoDB API.

Visit the DB Expert Services 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	Fully Managed PaaS
Supported Cloud Environments	Oracle Cloud Infrastructure
SKUs for starting configuration	B91393 (ECPU) B93194 (DB storage)
DB Versions Supported	Oracle AI 26ai (Long-term release), Oracle 19c (Long-term release)
Hardware Infrastructure	Shared Engineered System

Usage Models

Recommended Workloads	Blockchain Data Science / Machine Learning Data and IoT Event Streams 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 9.2.6 and later JD Edwards EnterpriseOne Tools 9.2.9.3 and later Oracle APEX AI Application Generator

Capacity

Configuration Options	The Always Free option provides databases that have CPU and storage included and you are never billed for an Always Free instance until the instance is upgraded to a paid Autonomous Database. Maximum of approximately 20 GB Exadata storage per database (you may see more than this) Maximum of 30 simultaneous database sessions Maximum of 2 Always Free Autonomous Database instances per Oracle Cloud Infrastructure tenancy. The Always Free Autonomous Database workload types are: Data Warehouse, Transaction Processing, JSON Database, and APEX Service. If you create 2 Always Free instances, they can be the same or different Autonomous Database workload types. The HTTP interface for Always Free Autonomous Databases is rate limited to restrict the number of simultaneous service users. Approximately 3-6 simultaneous users can be supported across all of the APEX, Oracle REST Data Services, and Database Actions running on your Always Free Autonomous Databases.
CPU Range	2 to 2 ECPUs
Shapes	ADB-S Always Free ECPUs: 2 to 2 Max DB TB: .02
CPU scaling	N/A
Storage scaling	Fixed storage size
Max IOPs	N/A
Max Throughput	N/A
Max Memory	N/A

Availability

Nines of availability (may require configuration)	N/A
Oracle DB Maximum Availability Architecture medals (for OCI / Cloud@Customer deployments)	Not MAA certified
Automated backups max retention	Not Available
Long-term backup retention (up to 10 years)	No

Functionality Included

Included Oracle DB Options for license-included service (*)	Advanced Compression Advanced Security Label Security Partitioning Real Application Clusters (Oracle RAC) Spatial and Graph
Included Oracle EM Packs for license-included service (*)	None
Free Add-Ons (no extra licensing required)	Managed Oracle REST Data Services (ORDS) with ADB-S Oracle APEX AI Application Generator Oracle Database Actions Oracle GoldenGate 1) Limited Use Term License Promotion and 2) Oracle GoldenGate Database Migration Term (both available on Oracle Cloud Marketplace) Oracle Machine Learning UI (nominal usage charge)

*Check service documentation for feature availability and limitations

Locations

Oracle Cloud Infrastructure

APAC: 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, 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)

* 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	No
Allows installing OS packages	No
Allows kernel changes	No
Allows OS runtime changes	No
Allows sysdba access	No
Oracle operator access control	No
Control DB patch level	No
Control DB release update (RU) level	No
Control DB version	Yes
Control maintenance window	No
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	Yes
Mongo-compatible API	Yes
Supports non-CDB home	No

Reference Links

General

Multicloud Interconnect
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

ADB FAQ
ATP Serverless - Always Free Customer References
ATP on Oracle.com
Oracle Cloud Free Tier
Oracle Database Cloud Migration
Oracle Database for developers: events, sample apps, community links and more resources
What's new in Autonomous AI Transaction Processing Serverless

The Responsibility Model for Oracle Autonomous Database

Task	Who	Details
Provisioning Autonomous Database resources	Oracle	Oracle is responsible for provisioning resources. You the customer are responsible for initiating provisioning requests that specify configuration characteristics of the resource being provisioned.
Backing up databases	Oracle	Oracle is responsible for backing up databases on a daily basis and for retaining database backups for 60 days.
Recovering a database	Oracle	Oracle is responsible for recovering databases. You the customer are responsible for initiating a recovery request that specifies which existing backup to recover to.
Patching and upgrading	Oracle	Oracle is responsible for patching and upgrading all Autonomous Database resources.
Scaling	Oracle	Oracle is responsible for scaling Autonomous Databases. You the customer are responsible for initiating scaling requests.
Monitoring service health	Oracle	Oracle is responsible for monitoring the health of Autonomous Database resources and for ensuring their availability as per published guidelines.
Monitoring application health and performance	Customer	You the customer are responsible for monitoring the health and performance of your applications at all levels. This responsibility includes monitoring the performance of the database queries and updates your applications perform.
Application security	Customer	You the customer are responsible for the security of your applications at all levels. This responsibility includes Cloud user access to Autonomous Database resources, network access to these resources, and access to database data. Oracle ensures that data stored in Autonomous Databases is encrypted and ensures that connections to Autonomous Databases require TLS 1.2 encryption and wallet-based authentication.
Auditing	Oracle	Oracle is responsible for logging REST API calls made to Autonomous Database resources and for making these logs available to you the customer for auditing purposes. Oracle is responsible for ensuring that Autonomous Databases are provisioned with Oracle Database auditing features enabled. You the customer are responsible for using these features to audit database usage.
Alerts and Notifications	Oracle	Oracle is responsible for providing an alert and notification feature for service events. You the customer are responsible for monitoring any database alerts that may be of interest.