



NoSQL Database Cloud Service

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

Overview

Oracle NoSQL Database Cloud Service simplifies developer experience to build applications using JSON document, XML, fixed schema, and key-value database models, while delivering predictable single-digit millisecond response times with built-in data replication for high availability. The service offers built-in active-active cross-regional replication, ACID transaction consistency, serverless scaling, comprehensive security, and low pay-per-use pricing for globally distributed applications with both on-demand and provisioned capacity modes.

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, Distributed Database
Management Model	Fully Managed PaaS
Supported Cloud Environments	Oracle Cloud Infrastructure
SKUs for starting configuration	B89737 write / B89738 read or B93710 / B93711 (autoscaling) or B93712 hosted
DB Versions Supported	NoSQL Cloud Build
Hardware Infrastructure	Dedicated or Shared General Purpose

Usage Models

Recommended Workloads	Data Lake Data Science / Machine Learning Data and IoT Event Streams
Recommended Data Models	Document Store (JSON) Document Store (XML) NoSQL Spatial Text
Certified Oracle Applications	

Capacity

Configuration Options	You can choose between an on-demand capacity allocation or provisioned-based
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	<p>capacity allocation:</p> <p>With on-demand capacity, you don't need to provision the read or write capacities for each table. You only pay for the read and write units that are actually consumed. Oracle NoSQL Database Cloud Service automatically manages the read and write capacities to meet the needs of dynamic workloads.</p> <p>With provisioned capacity, you can increase or decrease the throughput using the Oracle Cloud Infrastructure Console or the TableRequest API.</p> <p>You can also modify the capacity mode from Provisioned Capacity to On-Demand Capacity and vice-versa.</p>
CPU Range	N/A
Shapes	NoSQL Standard Max DB TB: 5
CPU scaling	N/A
Storage scaling	Online, Auto scale up
Max IOPs	Service Limits
Max Throughput	Service Limits
Max Memory	Service Limits

Availability

Nines of availability (may require configuration)	SLA 99.995 or SLA 99.999 with Global Active Table Configuration
Oracle DB Maximum Availability Architecture medals (for OCI / Cloud@Customer deployments)	Not MAA certified
Automated backups max retention	up to 30 days
Long-term backup retention (up to 10 years)	Yes

Functionality Included

Included Oracle DB Options for license-included service (*)	N/A
Included Oracle EM Packs for license-included service (*)	N/A
Free Add-Ons (no extra licensing required)	Eligible target for loading data using Oracle Data Integrator, available on Cloud Marketplace Oracle APEX Oracle GoldenGate 1) Limited Use Term License Promotion and 2) Oracle GoldenGate Database Migration Term (both available on Oracle Cloud Marketplace)

*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, 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), 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	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	No
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	No
Mongo-compatible API	No
Supports non-CDB home	N/A

Reference Links

General

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

[Service Level Objectives](#)

[Oracle Cloud Infrastructure Compliance](#)

[BYOL FAQ](#)

[OCI Locations and Status](#)

Service Specific

[NoSQL Cloud Service SDKs, simulator, examples](#)

[NoSQL Customer References](#)

[NoSQL Documentation](#)

[NoSQL FAQ](#)

[NoSQL: Features and SDK Driver Compatibility](#)

[Oracle NoSQL Database](#)