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# Globally Distributed **Autonomous Database**

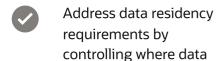
Oracle Globally Distributed Autonomous Database is a fully automated distributed cloud database that helps customers meet data residency requirements, provide survivability for business-critical applications, and deliver cloud-scale database performance.



Overview Features Pricing FAQ

# Support a global user base with a fully automated distributed database

See how Globally Distributed Autonomous Database can help you succeed.



resides.



Provide high availability by distributing shards across OCI availability domains and regions.



Enable cloud scale and performance by automatically scaling the number of shards and their individual performance.

Develop distributed database applications and efficiently manage them as a single logical database with no changes required.



Automatically distribute and redistribute data based on performance needs and location.

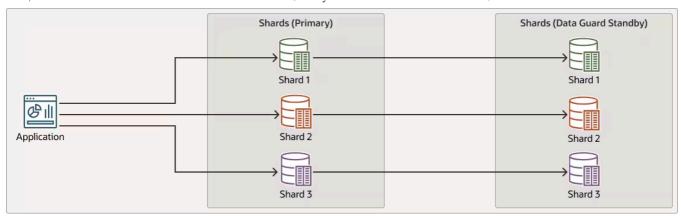


Use Oracle
Autonomous Database
Select AI to query
distributed data using
natural language
without knowing where
it is or how it's
structured.

#### **How it works**

Globally Distributed Autonomous Database is a single logical Oracle Database that is distributed as a set of Oracle Database shards. Each shard is an independent Oracle Database instance that hosts a subset of the logical database's data. Multiple shards can run in one OCI availability domain to maximize performance, in multiple OCI availability domains or regions to provide the highest possible availability, and in OCI regions across different geographies to help meet data residency requirements.

A common shard catalog supports automated shard deployment, centralized manag database, and multi-shard queries using the automated query coordinator. Shard dir performance connection routing over networks to access data in a distributed databapplication request is routed directly to a shard using the Oracle drivers and provides with the request.



## **Globally Distributed Autonomous Database in the media**

Oracle Launches Globally Distributed	Oracle's Autonomous Database Goes	ORACLE  Oracle Helps Organizations Achieve the Highest	Autonomous Database customer successes Learn how Oracle customers are using
Autonomous Database	Distributed and Global	Levels of Scalability and Availability, and Address Data Sovereignty Requirements	Oracle Autonomous Database to transform their businesses by redefining database management through machine learning and automation.
Read on forbes.com	Read on siliconangle.com	Read the press release	See customer

### **Globally Distributed Autonomous Database use cases**

# Address data residency requirements for distributed data warehousing and data lakes

Combine user control of data distribution policies and built-in automation to keep the storage and processing of growing data sets in required geographical locations while providing centralized administration.

#### **Cloud-scale transaction processing**

Improve customer experiences by enabling the database performance needed by cloud-scale applications and locating data close to distributed users—all with automated data distribution and management.

#### **Maximum availability for mission-critical applications**

Run applications that require extremely high availability using Globally Distributed Autonomous Database's shared-nothing architecture and fault-tolerant local Oracle Exadata Cloud Infrastructure.

#### **Distributed data pipelines and analytics**

Rapidly load, process, and analyze massive data sets in a distributed cloud while addressing data residency requirements. Get unified insights with massively parallel processing across many compute instances.

#### Query global distributed data using natural language

Easily gain insights from your data without knowing where it's located or how it's structured. Simply ask questions in natural language and let Oracle Autonomous Database Select AI build your queries and present results.

#### **Build cloud native, scalable mission-critical applications**

Build scalable, secure, distributed applications using multiple data types and models across a single logical database without the need for additional code or skills.

See what top industry analysts say about Globally Distributed Autonomous Database



"Oracle's approach to sharding [makes] application interaction with databases transparent and reliable...[Its] data distribution models, replication methods, and shard deployment options...enable Oracle Database to meet unique customer requirements."

#### **Carl Olofson**

Research Vice President, Data Management Software, IDC



"Data sovereignty...can only be efficiently addressed with a universal distributed sophisticated sharding capabilities. Oracle was able to deliver a full-featured d relational database because of its decades-long expertise."

#### Alexei Balaganski

CTO and Lead Analyst, KuppingerCole Analysts



"This industry-first combination of autonomous database management and centralized data regulation adherence should be a significant cost and time saver for IT organizations."

#### **Matt Kimball**

Vice President and Principal Analyst, Data Center, Moor Insights & Strategy



"Oracle Globally Distributed Autonomous Database uses sharding to enable enterprises to manage data globally but literally act locally. And it does so with the **benefits of a database that runs itself.**"

**Tony Baer** 

Principal, dbinsight

# Globally Distributed Autonomous Database resources

#### **Announcements and Blogs**

Press Release: Oracle Helps Organizations Achieve the Highest Levels of Scalability and Availability, and Address Data Sovereignty Requirements

Blog Post: Announcing General Availability of Oracle Globally Distributed Autonomous Database

Blog Post: Leading Industry Analyst Perspectives on Oracle Globally Distributed Autonomous Database

#### Resources

Documentation

Oracle Sharding LiveLabs

Learn how to use Oracle Sharding for mission-critical, internet-scale apps

Hyperscaling data management platform with petabytes of data (43:48)

Meeting data residency requirements with a globally distributed database (PDF)

Analyst Report: Meeting the new reality for data sovereignty by db Insight (PDF)

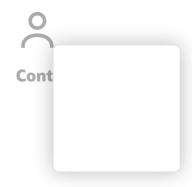
### **Get started with Globally Distributed Autonomous Database**



Try Autonomous Database for free



Attend an event



Explore with \$300 in free credits and Always Free instances of Autonomous Database.

Attend webcasts or live hands-on weekly workshops conducted by our product experts. Interested in learning more? Contact one of our experts.

Try it for free

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