Oracle AI Database

A complete and simple platform for all data management needs.

Building an Environment of Innovation

Add a SQL statement, not a database! Oracle AI Database delivers best-of-breed support for all modern data types, workloads, and development styles. You can enhance productivity through the flexibility and simplicity of choosing the best data model and development framework for your application without worrying about integrating different database engines, managing multiple security models, or synchronizing data.

Always Enterprise Ready

Thanks to its commitment to continuous innovation and readiness, tens of thousands of businesses rely on the Oracle AI Database today. Whether you're a growing business or a globally recognized organization, the Oracle AI Database offers unparalleled availability, reliability, security, and scalability. In fact, 97% of the Fortune 100 companies use Oracle AI Database.

Elevate Your Efficiency

The Oracle AI Database lets you focus on development instead of managing and integrating multiple single-purpose databases that only support a small number of your business's needs. Oracle AI Database lets you choose your data architecture for each application—unique efficiency options simplify app dev and eliminate data and app fragmentation.

Easily Build and Transform

Swiftly build cutting-edge cloud-native projects, easily transition your current applications from on-premises to the cloud, amplify your Oracle SaaS applications by integrating database solutions, and craft seamless multi-cloud solutions that span other public clouds.

Far beyond a Relational Database

In the real world, data comes in many forms. Build and create with the data type and development style that best suits your needs.
The Oracle AI Database provides complete support for all workloads at any scale. With a converged database approach you avoid introducing proprietary data storage solutions for new workloads and reduce integration efforts. Oracle AI Database 26ai is *the* converged database.

Oracle AI Database

AI and the Database

Oracle AI Database allows you to leverage AI and machine learning to advance your projects to the forefront of innovation.

Select AI
- Turns user's questions into SQL
- Uses your schema definition to augment questions and personalized responses
- Never shares your data on the internet

AI Vector Search
- Easily store and search vectors
- Enables similarity search on unstructured data and much more
- Use vectors to provide more accurate response to user questions

In-Database machine learning
- Makes it simple to make data-driven predictions
- Supports data exploration, preparation, and machine learning (ML) modeling at scale
- No-code model building

Designed to Scale

Scale vertically or horizontally by increasing resources or adding machines to manage workload demands. Optimize performance and efficiency with Oracle Exadata.

Scale to any size you need **Oracle Exadata**

Highly Available and Globally Distributed

Real Application Cluster
- Transparent scale-out architecture
- Apps run across a server pool connected to shared storage
- If a server fails, DB continues to run on remaining servers
- Transparently switch users to surviving servers
- If more processing power is required, add a new server

Globally Distributed Database
- Distributed architecture with automatic data distribution provides linear scalability
- Supports global applications and data sovereignty
- Routes SQL based on shard key, or runs cross-shard SQL
- Online addition and reorganization of shards
- Independent storage for each shard

Oracle Data Guard
- Provides high availability for databases
- Ensures data protection and integrity
- Automatically fails over in case of primary database issues and achieving zero downtime
- Active Data Guard ensures zero data loss disaster recovery

Simple and Powerful Virtualized Databases

Oracle Multitenant simplifies database management by allowing multiple pluggable databases to share the same infrastructure within a single container database. Consolidation reduces costs and streamlines administration, making it easier to manage and maintain your database environment. In addition, it supports microservices and virtualization, allowing for flexible and modern development practices.
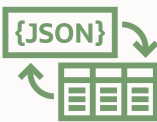

On-Premise and Cloud Support

Built for Developers

With a focus on modern development methods, strong support for popular programming languages, and smooth integration of stored logic in the database, you can easily innovate on the Oracle AI Database.

Unrivalled SQL Support
Oracle AI Database provides you with the world's best SQL engine, offering dependable and feature-rich SQL. This simplifies data manipulation and offers advanced SQL functionalities, such as SQL/PGQ support.

JSON Relational Duality Views
- Delivers simplicity of JSON for developers with the power of relational data
- Data is stored in relational format but accessed as JSON documents

Industry Leading Security

Oracle leads the industry in database security, consistently scoring at the top of independent analyst rankings. Oracle AI Database offers controls that protect your data throughout its lifecycle, and help you meet your regulatory requirements to safeguard data from theft, misuse, and malicious alteration or destruction. Capabilities include:

- Encryption of data at-rest and in-motion
- Context-aware access controls that go beyond simple binary have/do-not-have to examine how, when, and where from clients connect to the database
- Fine-grained access controls that let you reduce exposure of data to meet any business need
- Best-in-class auditing and monitoring services that track who does what, when they did it, and where they were operating from

Oracle AI Database is the database-of-choice for financial services, global intelligence and defense agencies, and any organization dealing with personal data.

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