Your New Autonomous Data Warehouse
What is Autonomous Data Warehouse

Autonomous Data Warehouse is a fully managed database tuned and optimized for data warehouse workloads with the market-leading performance of Oracle Database.

**EASY**
- Fully autonomous database
- Automated provisioning, patching and upgrades
- Automated backups
- Automated performance tuning

**FAST**
- Built on Exadata: high performance, scalability and reliability
- Built on key Oracle Database capabilities: parallelism, columnar processing, compression

**ELASTIC**
- Elastic scaling of compute and storage, without downtime
- Pay only for resources consumed

Welcome to Oracle’s premier autonomous cloud service for data warehousing!
Everything you need to …

Design, load and analyze your data quickly and efficiently in the cloud.

WATCH
Oracle Autonomous Data Warehouse
Product Tour

WATCH
Introduction to Autonomous Data Warehouse
Quick to Deploy
Business users can now build their own data warehouse, data mart or sandbox in seconds.

No IT Skills Required
Benefit from fully automated management, fully automated patching and upgrades.

Lower costs with elasticity
Scale your data warehouse on demand. Independently scale compute or storage. Shut off idle compute to save money.

Secure Your Data
Strong data encryption, switched on by default, ensures your data is fully protected.

Protect Your Investment
Continue to use your favorite business analytics tools.

Grow Your Capabilities
Engage in the full spectrum of business analytics, data integration, IoT, and more – all in the cloud – as an integrated solution.

Why use Autonomous Data Warehouse?
A new, comprehensive cloud experience for data warehousing
Key Features of Autonomous Data Warehouse

An affordable, feature-rich and fully managed service in the cloud

- **High-Performance Queries and Concurrent Workloads**
  Optimized query performance with preconfigured resource profiles for different types of users.

- **Online Elastic Scaling**
  Scale compute and storage independently to fit your data warehouse workload.

- **Fully Managed**
  Automatic provisioning, patching, upgrades, and backups.

- **Cloud-Based Data Loading**
  Fast, scalable, data loading from the Oracle object store, Amazon AWS S3, or on-premises.

- **Oracle SQL**
  Compatible with all business analytics tools that support Oracle Database.

- **Built-in Web-Based Data Analysis**
  Web-based notebook tool for designing and sharing SQL-based, data-driven, interactive documents.

- **Database Migration**
  Easily migrate from Amazon Redshift, Microsoft SQL Server, and other databases.
Oracle offers a complete range of services to support your data warehouse, from on-premises to private cloud to public cloud.

<table>
<thead>
<tr>
<th>Optimized HW Configuration</th>
<th>Exadata (on premise)</th>
<th>Exadata Cloud @Customer</th>
<th>Exadata Cloud Service</th>
<th>Autonomous Data Warehouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Licensing Model</td>
<td>Purchased</td>
<td>Subscription</td>
<td>Subscription</td>
<td>Metered</td>
</tr>
<tr>
<td>Database Automation</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Location</td>
<td>On-Premise</td>
<td>On-Premise</td>
<td>Oracle Public Cloud</td>
<td>Oracle Public Cloud</td>
</tr>
<tr>
<td>Pre-optimized for data warehousing</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Optimized performance with no manual tuning</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Fully-managed DB</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Autonomous Data Warehouse uses the same **Oracle Database** software and technology that runs your existing on-premises marts, data warehouses, and applications, making it **compatible** with all your existing data warehouse, data integration and BI tools.
As a data warehouse developer, business user, or data scientist, Autonomous Data Warehouse lets you use all your existing data warehouse design, data integration, analysis, and reporting tools.

**Business Users**
Connect your favorite data analysis and business intelligence tools through JDBC or SQL*Net.

**Database Developers**
SQL Developer provides a full database development environment: SQL Worksheet, data loading wizards, data modeling, and more tailored to the optimized features of Autonomous Data Warehouse.

**Data Scientists**
Oracle ML, a web-based SQL notebook tool, is included for data scientists and other SQL report developers and business users.

**Application Developers**
Integrate data from your autonomous data warehouse into your applications using use any of the supported client drivers including JDBC, .NET, Python, Node.js, PHP, C/C++, and more.
A Data Warehouse in a League of Its Own

Autonomous Data Warehouse uses the best, market leading data warehouse software running on unique, market leading technology platform to deliver a public cloud-based data warehouse in a league of its own.

37 Years of market leading data warehousing experience.
- Oracle has been developing sophisticated database automation for decades

10 Years of engineered systems innovation with Exadata.
- Oracle Engineered systems, deliver fully autonomous, automated database infrastructure

Oracle Database is the #1 rated data warehouse and analytics platform by leading industry analysts.

Customers moving from rival environments can expect to cut costs in half.

No capital expenditure: Fully metered subscription service.
Welcome to Oracle’s premier autonomous cloud service for data warehousing!

Learn More


View data sheets, FAQs, pricing, and additional resources on the Autonomous Data Warehouse product page.

Watch

1. Getting started with Autonomous Data Warehouse
2. Building your new data warehouse with Autonomous Data Warehouse

Connect

Twitter: @OracleCloud
LinkedIn: Oracle Data Warehouse
YouTube: Oracle Cloud Computing Channel

Visit

Visit our Oracle Cloud community.
Oracle Events
Oracle Data Warehouse Blog