



Oracle Autonomous Database Provisioning

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SENIOR PRODUCT MANAGER, DATABASE
ORACLE

0:08 / 8:50

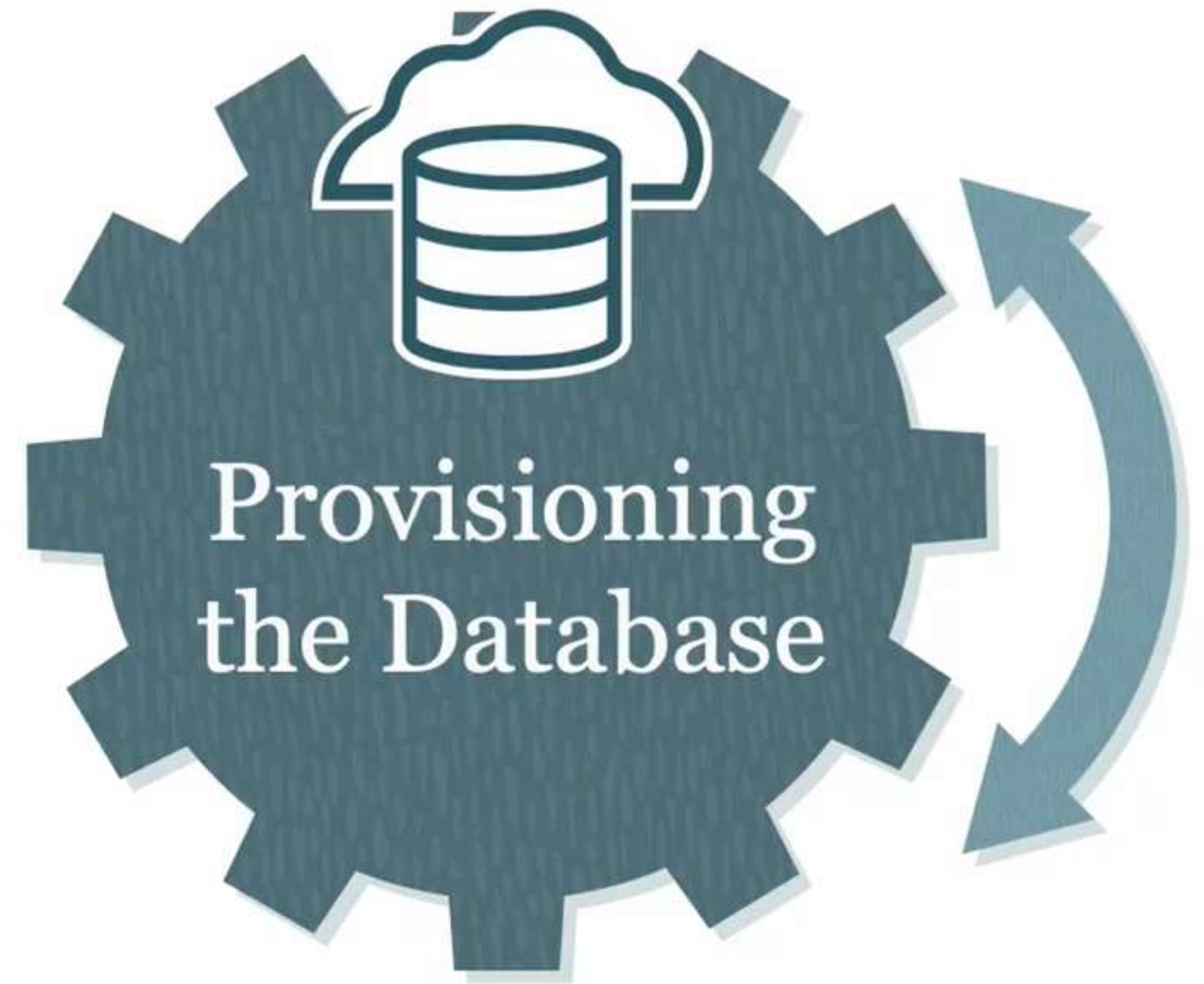
1x



Objectives

Provisioning an Autonomous Database Serverless Service





Private software-defined network

Fully encrypted database


Scalable RAC Cluster running on Exadata

Configures automatic processes such as backup







You choose the number of CPUs and the storage size in terabytes.



Provisioning an Autonomous Database

 **ORACLE** Cloud

Search resources, services, documentation, and Marketplace

US East (Ashburn)      

Get started Dashboard

Service links

PINNED

[Instances](#) Compute

[Virtual Cloud Networks](#) Networking

RECENTLY VISITED

[Autonomous Database](#) Autonomous Database

[Announcements](#) Account Management

[Notifications](#) License Manager

[Notifications](#) Application Integration

[Autonomous Data Warehouse](#) Autonomous Database

RECOMMENDED - [Customize](#)

[Policies](#) Identity

[Buckets](#) Object Storage & Archive Storage


[Users](#) Identity

[Logging](#) Logging

[Groups](#) Identity

[Tenancies](#) Organization Management

Your tenancy
sablewroathefl

 **All services operational**
[View health dashboard](#)

Usage

[Analyze costs](#)

Subscription 7833278
\$15,000.00 Free Trial credits

\$9,116.16 used

\$5,883.84 left

959 of 1095 days

Cost savings opportunities

Estimated savings: 0

[View recommendations \(0\)](#)


OCI mobile app

Review alarms, access billing and usage data, and manage resources on the go.

[Install now](#)

Get early access to OCI feature


Try out upcoming features and share your



Quickstarts


[View my deployments](#)

FEATURED




Predict the result of the next race

25-30 mins

APPLICATION DEVELOPMENT 


Deploy a WordPress website

6-8 mins

APPLICATION DEVELOPMENT 


Deploy a low-code app on Autonomous Database using APEX

3-5 mins Always Free eligible

APPLICATION DEVELOPMENT 


Deploy RStudio in a container

10-12 mins

APPLICATION DEVELOPMENT 

Deploy a baseline landing zone

7-9 mins

DATABASE 

Visualize and analyze Strava data on Autonomous Database

2-4 mins Always Free eligible

Provisioning an Autonomous Database

The screenshot displays the Oracle Cloud console interface. At the top, the header bar includes the Oracle Cloud logo, a search bar, and the region 'US East (Ashburn)'. The left sidebar contains a navigation menu with categories like Home, Compute, Storage, Networking, and Oracle Database. The 'Oracle Database' category is selected and highlighted. The main content area is titled 'Oracle Database' and lists various database services. Under the 'Autonomous Database' section, 'Autonomous Data Warehouse' and 'Autonomous Transaction Processing' are highlighted with yellow boxes. Other sections include 'Exadata Cloud@Customer', 'External Database', 'Data Safe', 'GoldenGate', and 'Operator Access Control'. A right sidebar lists 'Related services' such as APEX Application Development, SQL Worksheet, and Database Management, along with a 'Help' section. At the bottom, a navigation bar shows 'APPLICATION DEVELOPMENT' and 'DATABASE' tabs, with an 'Install now' button next to the 'DATABASE' tab.

Oracle Cloud Search resources, services, documentation, and Marketplace US East (Ashburn)

Oracle Database

Overview

- Autonomous Database**
 - Autonomous Data Warehouse
 - Autonomous JSON Database
 - Autonomous Transaction Processing
- Autonomous Dedicated Infrastructure**
- Oracle Base Database (VM, BM)**
- Exadata on Oracle Public Cloud**

Exadata Cloud@Customer

- External Database**
- Data Safe**
 - Overview
 - Target Databases
 - Security Center
- GoldenGate**
- Operator Access Control**

Related services

- APEX Application Development
- SQL Worksheet
- Database Management
- Migrations
- Data Integration
- Streaming
- MySQL
- Oracle NoSQL Database

Help

- Autonomous Databases
- Bare Metal and VM DB Systems
- Exadata Cloud@Customer
- All Oracle Database Documentation

APPLICATION DEVELOPMENT **APPLICATION DEVELOPMENT** **DATABASE** [Install now](#)

Provisioning an Autonomous Database

ORACLE Cloud Search resources, services, documentation, and Marketplace US East (Ashburn)

Overview > Autonomous Database > Autonomous Databases

Autonomous Database

Autonomous Database

Dedicated Infrastructure

Autonomous Container Database

Autonomous Exadata VM Cluster

Exadata Infrastructure

List scope

Compartment

sablewroathefl (root)

Filters

Workload type

All

State

Any state

Create Autonomous Database

Autonomous Databases in sablewroathefl (root) Compartment

Autonomous Database delivers fast performance and requires no database administration. It performs all routine database maintenance tasks while the system is running, without human intervention. Autonomous Databases located in the Oracle cloud can run on dedicated or shared infrastructure. [Learn more.](#)

Display Name	State	Dedicated	Compute	Storage	Workload type	Autonomous Data Guard	Created
No items							

Click this button to provision a new Autonomous Database.

Displaying 0 Autonomous Databases < 1 of 1 >

Select a compartment to assign the Database Resource.

You can view all Autonomous Databases in the compartment or filter by Data Warehouse/Transaction Processing.

You can also filter the displayed databases by their state.

Provisioning an Autonomous Database

Create Autonomous Database

Provide basic information for the Autonomous Database

Compartment

Workshops

adwc4pm (root)/Workshops

Display name

Financials

A user-friendly name to help you easily identify the resource.

Database name

findb

The name must contain only letters and numbers, starting with a letter. Maximum of 30 characters.



Provisioning an Autonomous Database

Choose a workload type

Data Warehouse

Built for decision support and data warehouse workloads. Fast queries over large volumes of data.

Transaction Processing

Built for transactional workloads. High concurrency for short-running queries and transactions.



JSON

Built for JSON-centric application development. Developer-friendly document APIs and native JSON storage.

APEX

Built for Oracle APEX application development. Creation and deployment of low-code applications, with database included.

Choose a deployment type

Serverless

Run Autonomous Database on serverless architecture.



Dedicated infrastructure

Run Autonomous Database on Dedicated Exadata Infrastructure.

Configure the database

Always Free ⓘ



Show only Always Free configuration options

Choose database version

19c



ECPU count ⓘ

2

Select an ECPU count. ECPU counts are multiples of 2.

Storage (TB)

1

The amount of storage to allocate. Max storage allowed is 384 TB.

 [Show advanced options](#)

☒ Compute auto scaling

Allows system to expand up to three times the specified ECPU count as demand increases. [Learn more](#) about auto scaling.

☐ Storage auto scaling

Allows system to expand up to three times the reserved storage.



Provisioning an Autonomous Database

Backup retention

Automatic backup retention period in days

1

60



Automatic backups are managed by Oracle. Backup storage is billed separately and in addition to database storage. When a backup ages beyond the backup retention setting, it is deleted. [Learn more.](#)

Create administrator credentials ⓘ

Username *Read-only*

ADMIN username cannot be edited.

Password

Confirm password

Choose network access

Access type

Secure access from everywhere

Allow users with database credentials to access the database from the internet.



Secure access from allowed IPs and VCNs only

Restrict access to specified IP addresses and VCNs.

Private endpoint access only

Restrict access to a private endpoint within an OCI VCN.

☒ Require mutual TLS (mTLS) authentication ⓘ

If you select this option, mTLS will be required to authenticate connections to your Autonomous Database.



5:45

/

8:50

1x



HD



Provisioning an Autonomous Database

Choose network access

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Secure access from everywhere

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Secure access from allowed IPs and VCNs only

Restrict access to specified IP addresses and VCNs. ✓

Private endpoint access only

Restrict access to a private endpoint within an OCI VCN.

IP notation type

IP address



Values

Example: 192.1.1.1,192.1.1.2



Required

Add my IP address

Add access control rule



When you update a remote peer with separate access control rules, it will no longer follow the access control rule updates from the primary database.

Create Autonomous Database

Save as stack

[Cancel](#)



Provisioning an Autonomous Database

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7:21

/

8:50

1x




HD



Provisioning an Autonomous Database

Overview » Autonomous Database » Autonomous Database details



PROVISIONING ⓘ

ATPDEMO

Database actions

Database connection

Performance hub

Manage resource allocation

More actions ▼

Autonomous Database information

Tool configuration

Tags

General information

Database name: ATPDEMO

Workload type: Transaction Processing

Compartment: vinsonk211 (root)

OCID: ...dpgmhq [Show](#) [Copy](#)

Created: Fri, Aug 18, 2023, 20:02:04 UTC

License type: License included

Database version: 19c

Lifecycle state: Provisioning [Check database availability](#)

Instance type: Paid

Character set: AL32UTF8

National character set: AL16UTF16

Auto start/stop schedule: Disabled [Schedule](#)

Mode: Read/write [Edit](#)

Resource allocation

ECPU count: 2

Compute auto scaling: Enabled ⓘ

Storage: 1 TB

Storage auto scaling: Disabled ⓘ

Disaster recovery ⓘ

Role: -

Local: Not enabled

Cross-region: Not enabled

Backup

Automatic backup retention period: 60 days [Edit](#)

Total backup storage: -

Last automatic backup: No active backups exist for this database.

Next long-term backup: -

Long-term backup schedule: [Schedule](#)

Network

Access type: Allow secure access from everywhere

Access control list: Disabled [Edit](#)


Mutual TLS (mTLS) authentication: Required [Edit](#) ⓘ

Maintenance ⓘ

Patch level: Regular ⓘ

Customer contacts: None ⓘ [Manage](#)

Provisioning an Autonomous Database



AVAILABLE ⓘ

ATPDEMO • Primary

Database actions ▾

Database connection

Performance hub

Manage resource allocation

More actions ▾

Autonomous Database information

Tool configuration

Tags

General information

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Created: Fri, Aug 18, 2023, 20:02:04 UTC

License type: License included

Database version: 19c

Lifecycle state: Available [Check database availability](#)

Instance type: Paid

Character set: AL32UTF8

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Auto start/stop schedule: Disabled [Schedule](#)

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Resource allocation

ECPU count: 2

Compute auto scaling: Enabled ⓘ

Storage: 1 TB

Storage auto scaling: Disabled ⓘ

Disaster recovery ⓘ

Role: Primary

Local: Backup-based [Upgrade to Autonomous Data Guard](#) [Switchover](#)

Cross-region: Not enabled

Backup

Automatic backup retention period: 60 days [Edit](#)

Total backup storage: -

Last automatic backup: No active backups exist for this database.

Next long-term backup: -

Long-term backup schedule: [Schedule](#)

Network

Access type: Allow secure access from everywhere

Access control list: Disabled [Edit](#)

Mutual TLS (mTLS) authentication: Required [Edit](#) ⓘ

Maintenance ⓘ

Patch level: Regular ⓘ





To wrap up...