



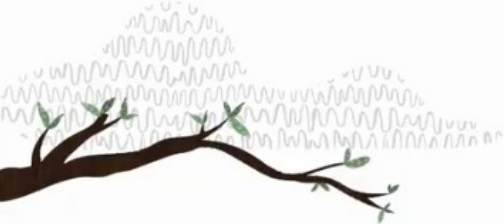
Oracle Autonomous Database

Auto Scaling


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Autonomous Database Serverless: **Auto Scaling**



ADB autonomously and continuously monitors the overall system performance.



ADB scales CPU and IO resources.



Scaling up **3x**

Auto scaling can be enabled when provisioning an ADB instance or any time using **Scale Up/Down** on the Oracle Cloud Infrastructure Console.

Enabling auto scaling does not change the concurrency and parallelism settings for the predefined services.

Auto Scaling

Enabled by default*

Can be disabled at any time

3x base number of active ECPUs

ECPUs auto scale back down to the base number.

Changing the setting does not require database downtime.



Note

If you are provisioning an always-free database, auto scaling is not enabled by default.



Auto scaling

Allows system to use up to three times the provisioned number of cores as the workload increases. [Learn more.](#)

Oracle Cloud Infrastructure

cloud.oracle.com/db/autonomous/create?region=us-ashburn-1

ORACLE Cloud Search resources, services, documentation, and Marketplace

US East (Ashburn)

Create Autonomous Database

Provide basic information for the Autonomous Database

Compartment
vinsonk211 (root)

Display name

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

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

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.
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Choose a deployment type

Serverless Run Autonomous Database on serverless architecture. ✓	Dedicated infrastructure Run Autonomous Database on Dedicated Exadata infrastructure.
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Configure the database

Always Free ⓘ
Show only Always Free configuration options.

Create Autonomous Database Save as stack Cancel

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Setting Up Auto Scaling: When Provisioning

Setting Up Auto Scaling: Any Time

ATP

AVAILABLE ⓘ

ATPDEMO ● Primary

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: Available [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: 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 ⓘ

Setting Up Auto Scaling: Any Time

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

ATP

AVAILABLE ⓘ

ATPDEMO

Database actions ▾ Data

Autonomous Database instance

General information

Database name: ATPDEMO

Workload type: Transactional

Compartment: vinsonk211 ()

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

Created: Fri, Aug 18, 2023, 2:26 PM

License type: License included

Database version: 19c

Lifecycle state: Available ⓘ

Instance type: Paid

Character set: AL32UTF8

National character set: AL16UTF16

Auto start/stop schedule: Disabled

Mode: Read/write [Edit](#)

Resource allocation

ECPU count: 2

Compute auto scaling: Enabled

Storage: 1 TB

Storage auto scaling: Disabled

Manage scaling

ECPU count ⓘ

6

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

☒ **Compute auto scaling**

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

Storage (TB)

1

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

☐ **Storage auto scaling**

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

Allocated storage: -

[Shrink](#) Shrink storage manually. Use after deletion of a significant amount of data. [Learn more](#).

[Apply](#) [Cancel](#)

