



University

Oracle Autonomous Database Licensing

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ECPU pricing metric

What are ECPUs?

- › They are an abstract compute metric of cloud resources that is performance based.
- › Elastically allocated from ADB's shared pool of Exadata database and storage servers.
- › Not physical core or threads.
- › Default compute model for all new ADB instances.

Benefits for ECPUs

- › Provides a durable pricing metric that is not tied to the exact make, model, and clock speed of the underlying processor.
- › Delivers competitive advantages for ADW.
- › Finer-granularity system sizing.
- › Reduced storage costs for ADW instances using ECPU.



ECPU key points

- › ECPU pricing is available for ADW and ATP with a minimum configuration of 2 ECPUs,
- › Beyond 2 ECPUs, scaling is in single-step increments.
- › Licensing for ECPUs can be:
 - › Pay-as-You-Go
 - › BYOL (Bring-Your-Own-License for existing Oracle Database customers)



Autonomous Database Licensing – ADW and ATP



Universal Credit Model (UCM)		Bring Your Own License (BYOL)		
No on-premises licenses required. All capabilities included in one price.	Advantages	Leverage existing licenses in the cloud. All of the service at a fraction of the cost.		
Included	Licensing	Oracle Enterprise Edition		Oracle Standard Edition
Included		64+ ECPUs Licensing	Oracle Enterprise Edition Oracle Real Application Clusters	max. 32 ECPUs with or without compute auto scaling enabled
Included	99.95% SLA		Included	Included
Included	99.995% SLA		Oracle Enterprise Edition Real Application Clusters Active Data Guard	Standard Edition Active Data Guard

Oracle Universal Credit Payment structures

Pay As You Go (PAYG)

Structure

- › No upfront payment
- › On-demand pricing

Benefits

- › No payment commitment
- › Minimizes customer risk

Annual Universal Credits

Structure

- › Minimum one year term

Benefits

- › Maximizes cost reduction with predictable annual spend
- › Flexibility of on-demand access with the benefit of prepaid instance pricing

Autonomous Database licensing

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Overview > Autonomous Database > Autonomous Database details

ATPDEMO • Primary

ATP AVAILABLE ⓘ

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: ...42gnoq [Show](#) [Copy](#)
Created: Mon, Aug 21, 2023, 18:54:48 UTC

License type: Bring your own license (BYOL), Enterprise Edition

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

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](#) ⓘ

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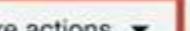
Autonomous Database licensing

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Overview > Autonomous Database > Autonomous Database details

ATPDEMO • Primary


AVAILABLE 

Database actions Database connection Performance hub Manage resource allocation More actions 

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Character set: AL32UTF8
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Auto start/stop schedule: Disabled [Schedule](#)
Mode: Read/write [Edit](#)

Resource allocation

ECPU count: 2

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](#) 

Autonomous Database licensing

The screenshot shows the Oracle Cloud interface for managing an Autonomous Database named ATPDEMO. The database is listed as Primary and is currently Available. The General information section provides details such as Database name (ATPDEMO), Workload type (Transaction Processing), Compartment (vinsonk211 (root)), OCID, Created date (Mon, Aug 21, 2023, 18:54:48 UTC), License type (Bring your own license (BYOL), Enterprise Edition), Database version (19c), Lifecycle state (Available), Instance type (Paid), Character set (AL32UTF8), National character set (AL16UTF16), Auto start/stop schedule (Disabled), and Mode (Read/write). The Resource allocation section indicates an ECPU count of 2. On the right side, a context menu is open under the 'More actions' dropdown, showing options like Stop, Restart, Restore, Create clone, Switchover, Update network access, and Administrator password. A red box highlights the 'Update license and Oracle Database edition' option. The Network section at the bottom shows Access type (Allow) and Access control list (Mutual TLS (mTLS) authentication: Required). A small circular icon with a gear and dots is visible in the bottom right corner.

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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National character set: AL16UTF16
Auto start/stop schedule: Disabled [Schedule](#)
Mode: Read/write [Edit](#)

Resource allocation

ECPU count: 2

Disaster recovery

Role: Primary
Local: Backup-base
Cross-region: Not enabled

Backup

Automatic backup
Total backup storage
Last automatic backup
Next long-term backup
Long-term backup

Network

Access type: Allow
Access control list:
Mutual TLS (mTLS) authentication: Required [Edit](#)

Stop
Restart
Restore
Create clone
Switchover
Update network access
Administrator password
Update license and Oracle Database edition
Auto start/stop schedule
Manage encryption key
Rename database
Update display name
Move resource
Add tags

Autonomous Database licensing

The screenshot shows the Oracle Cloud interface for managing an Autonomous Database named "ATPDEMO". The main view displays general information about the database, including its name, workload type, compartment, OCID, creation date, license type, database version, lifecycle state, instance type, character set, national character set, auto start/stop schedule, and mode. A large green button labeled "ATP" is prominently displayed. On the right, a modal window titled "Update license and Oracle Database Edition" is open, allowing the user to choose between "Bring Your Own License (BYOL)" and "Choose an Oracle Database edition". The "Oracle Database Enterprise Edition (EE)" option is selected, showing a "User-selected ECPU limit" of 2. Below this, a section titled "BYOL flexibility" explains that ECPU limits control how many ECPUs will be covered by BYOL licenses. A toggle switch for "Enable BYOL ECPU limit" is shown, which is currently disabled.

ATPDEMO • Pr

ATP

AVAILABLE ⓘ

General information

Database name: ATPDEMO

Workload type: Transactional

Compartment: vinsonk2

OCID: ...42gnog Show

Created: Mon, Aug 21, 2023

License type: Bring your own license

Database version: 19c

Lifecycle state: Available

Instance type: Paid

Character set: AL32UTF8

National character set:

Auto start/stop schedule:

Mode: Read/write Edit

Resource allocation

ECPU count: 2

Save Cancel

Update license and Oracle Database Edition

Bring Your Own License (BYOL)

Enable

Choose an Oracle Database edition

Oracle Database Enterprise Edition (EE)

User-selected ECPU limit. [Learn more.](#)

Oracle Database Standard Edition (SE)

Up to 32 ECPUs, including auto scale. [Learn more.](#)

BYOL flexibility

BYOL ECPU limits allow you to control how many ECPUs will be covered by BYOL licenses. Use the limit when the number of BYOL licenses you bring may not be enough to cover all of the database ECPUs you have provisioned, including auto-scale, disaster recovery peers, and database tools.

Enable BYOL ECPU limit

Autonomous Database licensing

The screenshot shows the Oracle Cloud interface for managing an Autonomous Database named "ATPDEMO". On the left, a large green box displays the letters "ATP". Below it, the database status is listed as "AVAILABLE". To the right, a modal window titled "Update license and Oracle Database Edition" is open. Inside this window, there is a toggle switch labeled "Enable" for "Bring Your Own License (BYOL)". The "General information" section of the main page lists the following details:

- Database name: ATPDEMO
- Workload type: Transactional
- Compartment: vinsonk2
- OCID: ...42gnoq [Show](#)
- Created: Mon, Aug 21, 2023
- License type: Bring your own license
- Database version: 19c
- Lifecycle state: Available
- Instance type: Paid
- Character set: AL32UTF8
- National character set: AL16UTF8
- Auto start/stop scheduled
- Mode: Read/write [Edit](#)

At the bottom of the modal window, there are "Save" and "Cancel" buttons.

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Resource allocation

ECPU count: 2

Disaster recovery

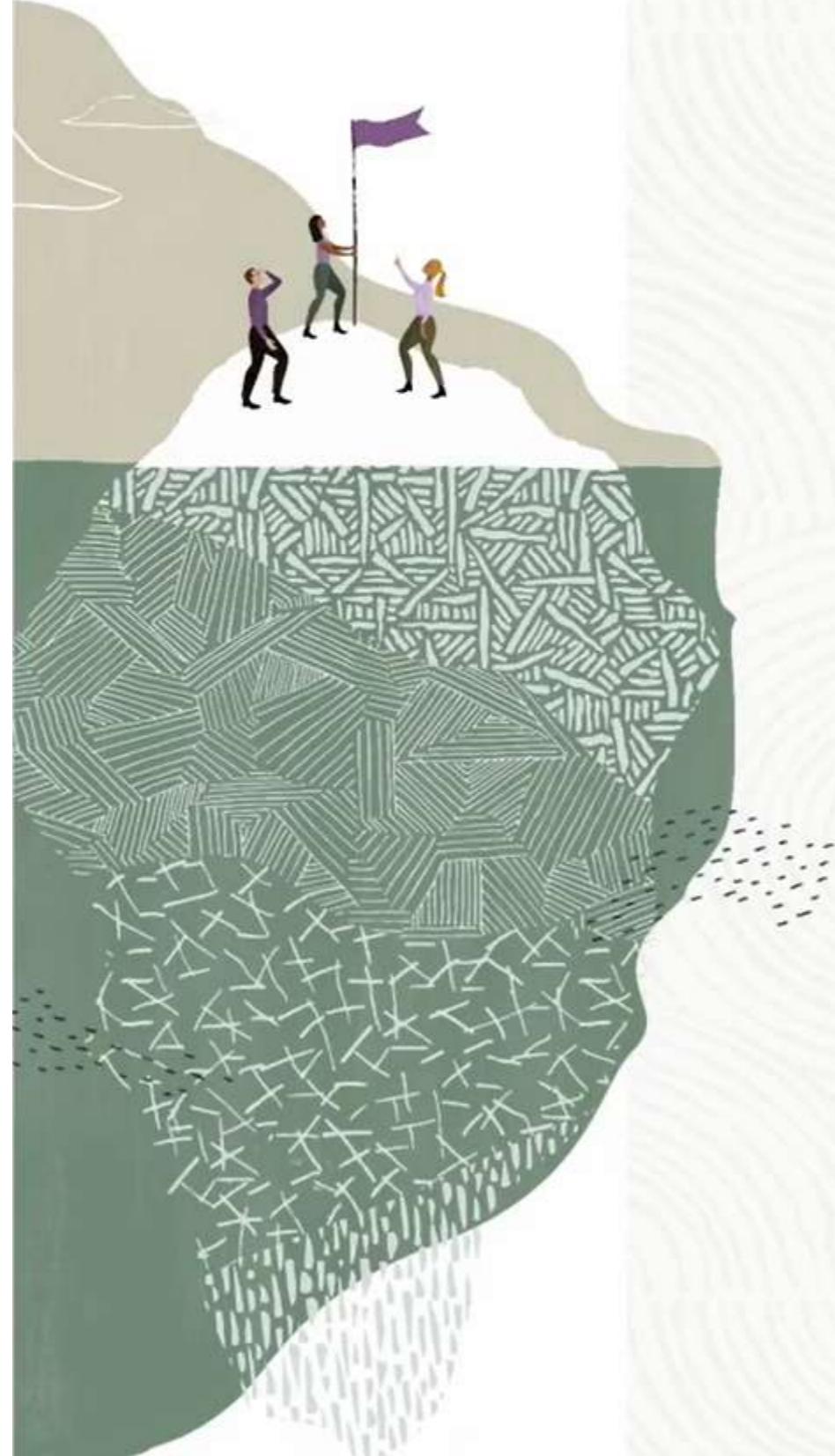
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To wrap up...