



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

The screenshot displays the Oracle Cloud console interface for an Autonomous Database instance. The top navigation bar includes the Oracle Cloud logo, a search bar, and the region 'US East (Ashburn)'. The breadcrumb trail indicates the path: Overview > Autonomous Database > Autonomous Database details.

The main content area is titled 'ATPDEMO' with a 'Primary' status indicator. A sidebar on the left features a large green 'ATP' logo and an 'AVAILABLE' status with an information icon. Below the logo, the 'License type' is highlighted with a red box: 'License type: Bring your own license (BYOL), Enterprise Edition'.

The 'Autonomous Database information' tab is active, showing the following details:

- 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](#)

The 'Resource allocation' section shows 'ECPU count: 2'.

The 'Disaster recovery' section includes:

- Role:** Primary
- Local:** Backup-based [Upgrade to Autonomous Data Guard](#) [Switchover](#)
- Cross-region:** Not enabled

The 'Backup' section shows:

- 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](#)

The 'Network' section shows:

- Access type:** Allow secure access from everywhere
- Access control list:** Disabled [Edit](#)
- Mutual TLS (mTLS) authentication:** Required [Edit](#) [i](#)

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






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Autonomous Database licensing


ORACLE Cloud

Search resources, services, documentation, and Marketplace

US East (Ashburn)     

Overview > Autonomous Database > Autonomous Database details

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: ...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

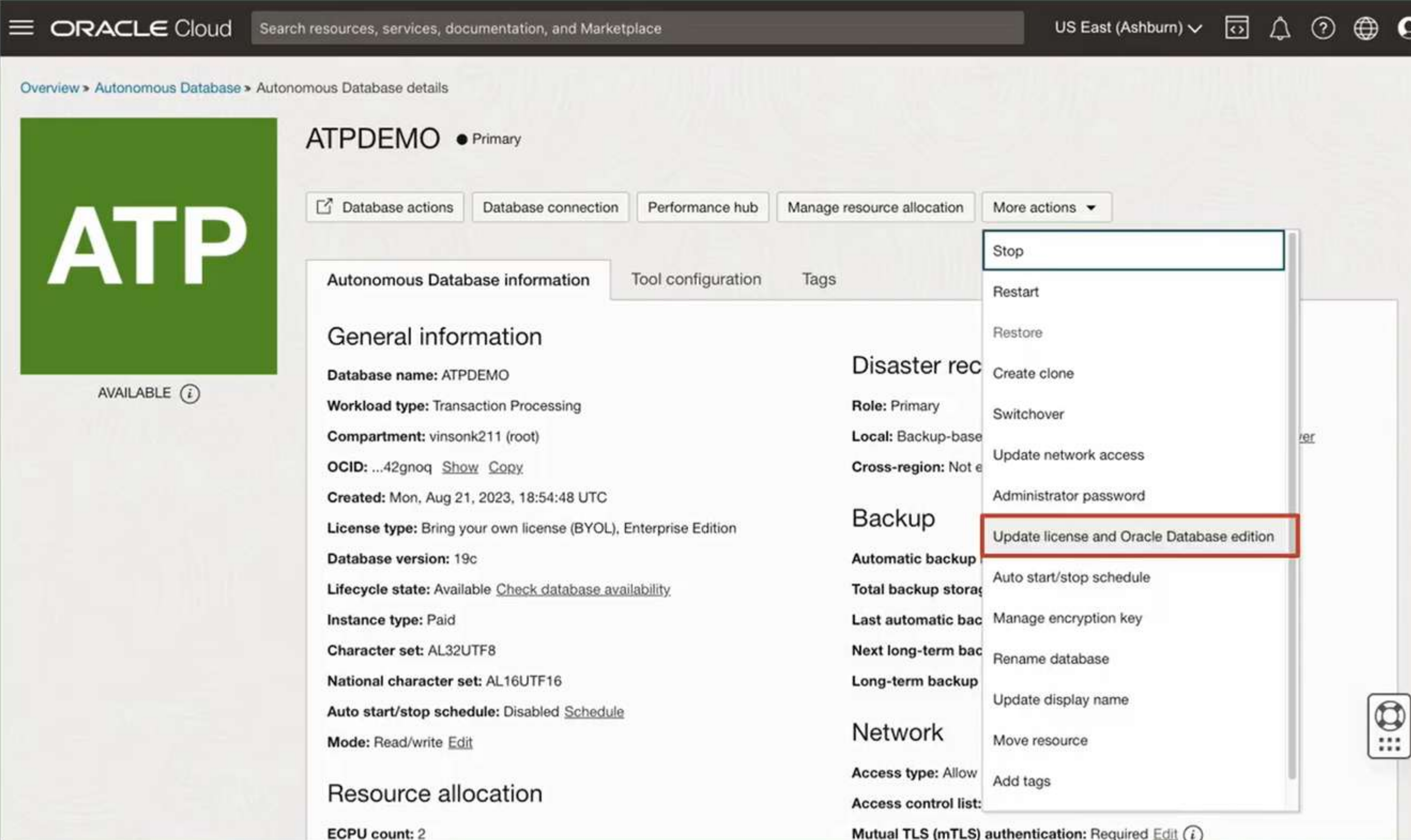
Access type: Allow secure access from everywhere

Access control list: Disabled [Edit](#)






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



Autonomous Database licensing



The screenshot displays the Oracle Cloud console interface for an Autonomous Database instance named ATPDEMO. The instance is in the 'AVAILABLE' state. The 'More actions' dropdown menu is open, showing various management options. The 'Update license and Oracle Database edition' option is highlighted with a red box.

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

Overview > Autonomous Database > Autonomous Database details

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: ...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

Cross-region: Not enabled

Backup

Automatic backup: Enabled

Total backup storage: 10 TB

Last automatic backup: 2023-08-21 19:00:00 UTC

Next long-term backup: 2023-08-28 19:00:00 UTC

Long-term backup: Enabled

Network

Access type: Allow

Access control list: Default

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 displays the Oracle Cloud console interface. On the left, a sidebar shows the navigation menu with 'Overview', 'Autonomous Database', and 'Autonomous Database details'. The main content area is titled 'ATPDEMO' and includes a 'Database actions' button. Below this, a 'General information' section lists various database attributes: Database name (ATPDEMO), Workload type (Transactional), Compartment (vinsonk2), OCID (oc42gnoq), Created date (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 (AL32UTF8), Auto start/stop schedule (None), and Mode (Read/write). The 'Resource allocation' section shows 'ECPU count: 2'. A modal dialog titled 'Update license and Oracle Database Edition' is open on the right. It features a 'Bring Your Own License (BYOL)' toggle set to 'Enable'. Below this, it prompts to 'Choose an Oracle Database edition' with two options: 'Oracle Database Enterprise Edition (EE)' (selected with a checkmark) and 'Oracle Database Standard Edition (SE)'. The EE option includes the text 'User-selected ECPU limit. [Learn more.](#)'. The SE option includes 'Up to 32 ECPU's, including auto scale. [Learn more.](#)'. A 'BYOL flexibility' section explains that BYOL ECPU limits control how many ECPU's are covered by BYOL licenses and that the limit should be used when the number of licenses is insufficient for all ECPU's, including auto-scale, disaster recovery peers, and database tools. At the bottom of this section is an 'Enable BYOL ECPU limit' toggle, which is currently disabled. The dialog concludes with 'Save' and 'Cancel' buttons. The top of the console shows the 'ORACLE Cloud' logo, a search bar, and the region 'US East (Ashburn)'.

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

Overview > Autonomous Database > Autonomous Database details

ATPDEMO •

Database actions

Autonomous Database

General information

Database name: ATPDEMO

Workload type: Transactional

Compartment: vinsonk2

OCID: oc42gnoq [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: AL32UTF8

Auto start/stop schedule: None

Mode: Read/write [Edit](#)

Resource allocation

ECPU count: 2

Update license and Oracle Database Edition [Help](#)

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 ECPU's, including auto scale. [Learn more.](#)

BYOL flexibility

BYOL ECPU limits allow you to control how many ECPU's 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 ECPU's you have provisioned, including auto-scale, disaster recovery peers, and database tools.

Enable BYOL ECPU limit

☐

[Save](#) [Cancel](#)

Autonomous Database licensing

The screenshot displays the Oracle Cloud console interface. On the left, a sidebar shows the navigation menu with 'Overview', 'Autonomous Database', and 'Autonomous Database details'. The main content area is titled 'ATPDEMO' and includes a 'Database actions' button. A modal dialog titled 'Update license and Oracle Database Edition' is open, featuring a toggle switch for 'Bring Your Own License (BYOL)' which is currently disabled. The dialog also contains a 'Help' link and 'Save' and 'Cancel' buttons at the bottom. In the background, the 'General information' section for the database instance is visible, listing details such as Database name, Workload type, Compartment, OCID, Created date, License type, Database version, Lifecycle state, Instance type, Character set, National character set, Auto start/stop schedule, Mode, and Resource allocation (ECPU count: 2).

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

Overview > Autonomous Database > Autonomous Database details

ATPDEMO •

Database actions

Autonomous Database

General information

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: AL16UTF16

Auto start/stop schedule: [Edit](#)

Mode: Read/write [Edit](#)

Resource allocation

ECPU count: 2

Update license and Oracle Database Edition [Help](#)

Bring Your Own License (BYOL)

☐ Enable

[Save](#) [Cancel](#)

Autonomous Database licensing

ORACLE Cloud

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ATP

AVAILABLE ⓘ

ATPDEMO ● Primary

Database actions

Database connection

Performance hub

Manage resource allocation

More actions ▾

Autonomous Database information

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General information

Disaster recovery ⓘ

Backup

Network

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: 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

Role: Primary

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

Cross-region: Not enabled

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](#)

Access type: Allow secure access from everywhere

Access control list: Disabled [Edit](#)

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



To wrap up...