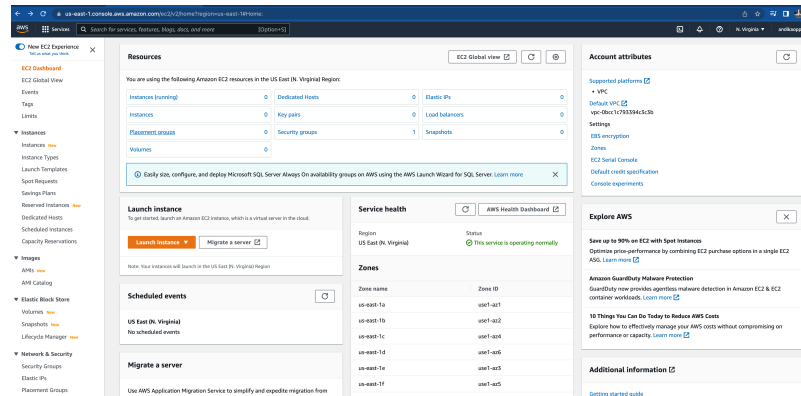
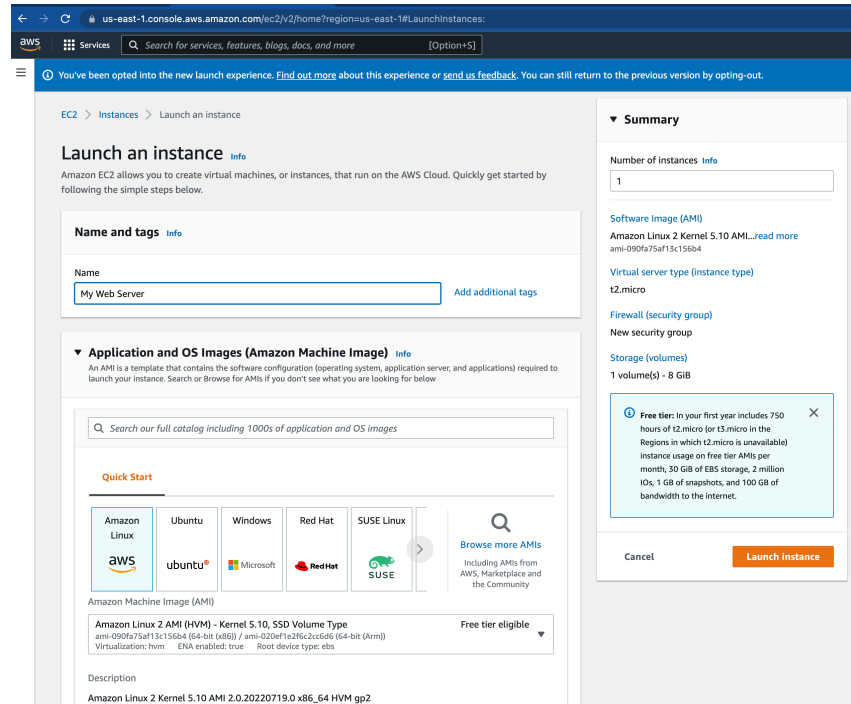


## Masuk ke dashboard EC2



The screenshot shows the AWS Management Console for the EC2 service in the us-east-1 region. The left sidebar contains navigation links for various AWS services. The main content area is divided into several sections: Resources, Launch Instance, Service health, Zones, Scheduled events, and Migrate a server. The Resources section shows a summary of EC2 resources in the us-east-1 (N. Virginia) Region, including Instances (Running), Elastic IPs, Key pairs, Load balancers, Placement groups, Security groups, and Snapshots. The Launch Instance section provides a button to launch a new instance and a link to the AWS Launch Wizard. The Service health section shows the status of the EC2 service, which is currently operating normally. The Zones section lists the available Availability Zones in the region. The Scheduled events section shows any upcoming events for the region. The Migrate a server section provides a link to the AWS Application Migration Service.

## Klik Launch Instance, kemudian configure image dan securitynya



The screenshot shows the AWS Management Console Launch Instance wizard. The wizard is divided into several steps: Summary, Choose an AMI, Choose an instance type, Choose a security group, Choose a placement group, Review and launch, and Launch. The Summary step is currently selected, showing the configuration for the new instance. The configuration includes: Number of instances (1), Software Image (AMI) (Amazon Linux 2 Kernel 5.10 AMI), Virtual server type (instance type) (t2.micro), Firewall (security group) (New security group), New security group, Storage (volumes) (1 volume(s) - 8 GiB), and a Free tier eligibility notice. The Launch Instance button is visible at the bottom right of the wizard.

## Create Key Pair

▼ Instance type [Info](#)

Instance type

t2.micro

Family: t2 1 vCPU 1 GiB Memory

On-Demand Linux pricing: 0.0116 USD per Hour

On-Demand Windows pricing: 0.0162 USD per Hour

Free tier eligible

▼

[Compare instance types](#)

▼ Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

alterra\_academy\_aws

▼

↻

[Create new key pair](#)



## Setting Security Group

Description - required [Info](#)

launch-wizard-1 created 2022-08-04T08:07:11.007Z

Inbound security groups rules

▼ Security group rule 1 (TCP, 22, 0.0.0.0/0)

Remove

Type [Info](#)

ssh

▼

Protocol [Info](#)

TCP

Port range [Info](#)

22

Source type [Info](#)

Anywhere

▼

Source [Info](#)

Q Add CIDR, prefix list or security

0.0.0.0/0 X

Description - optional [Info](#)

e.g. SSH for admin desktop

▼ Security group rule 2 (TCP, 80, 0.0.0.0/0)

Remove

Type [Info](#)

HTTP

▼

Protocol [Info](#)

TCP

Port range [Info](#)

80

Source type [Info](#)

Custom

▼

Source [Info](#)

Q Add CIDR, prefix list or security

0.0.0.0/0 X

Description - optional [Info](#)

e.g. SSH for admin desktop

▼ Security group rule 3 (TCP, 80, ::/0)

Remove

Type [Info](#)

HTTP

▼

Protocol [Info](#)

TCP

Port range [Info](#)

80

Source type [Info](#)

Custom

▼

Source [Info](#)

Q Add CIDR, prefix list or security


::/0 X

Description - optional [Info](#)

e.g. SSH for admin desktop

## Launch Instance VM

EC2 > Instances > Launch an instance

**Success**  
Successfully initiated launch of instance (i-02c20667fc1bd0ba3)  
[▶ Launch log](#)

Instances (1) Info

Search

Connect Instance state Actions Launch instances

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IPv6 IPs
<input type="checkbox"/>	My Apps	i-02c20667fc1bd0ba3	Running	t2.micro	Initializing	No alarms	us-east-1b	ec2-44-201-179-231.co...	44.201.179.231	-	-

## Akses Instance VM dari local computer menggunakan SSH

```
[192:AWS men666anas$ sudo ssh -i alterra_academy_aws.pem ec2-user@ec2-44-201-179-231.compute-1.amazonaws.com
[Password:
The authenticity of host 'ec2-44-201-179-231.compute-1.amazonaws.com (44.201.179.231)' can't be established.
ED25519 key fingerprint is SHA256:Gh5X2XB4819XbJEphddtbDhZvjxKywuF/FW6NhJwL8k.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-44-201-179-231.compute-1.amazonaws.com' (ED25519) to the list of known hosts.

  __|  __|  )
 _| (  _/   Amazon Linux 2 AMI
---| \___|___|

https://aws.amazon.com/amazon-linux-2/
-bash: warning: setlocale: LC_CTYPE: cannot change locale (UTF-8): No such file or directory
[ec2-user@ip-172-31-86-4 ~]$ who im i
ec2-user pts/0      Aug  4 08:55 (125.166.3.9)
[ec2-user@ip-172-31-86-4 ~]$
```

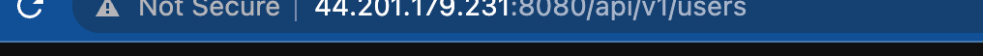
## Get images from docker hub

```
[ec2-user@ip-172-31-86-4 ~]$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
[ec2-user@ip-172-31-86-4 ~]$ sudo docker pull andikaopp/demo
Using default tag: latest
latest: Pulling from andikaopp/demo
001c52e26ad5: Pull complete
d9d4b9b6e964: Pull complete
2068746827ec: Pull complete
9daef329d350: Pull complete
d85151f15b66: Pull complete
52a8c426d30b: Pull complete
8754a66e0050: Pull complete
f23644f2e06a: Pull complete
Digest: sha256:dafc53a8cfb27c80829808509d2edaf96a0fd0a45da8fc4be981f1a767cf16a2
Status: Downloaded newer image for andikaopp/demo:latest
docker.io/andikaopp/demo:latest
[ec2-user@ip-172-31-86-4 ~]$ ls
[ec2-user@ip-172-31-86-4 ~]$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
andikaopp/demo latest 9738a529d8ea 44 hours ago 546MB
[ec2-user@ip-172-31-86-4 ~]$
```

## Running images

[illegible]

## Akses domain API



```
{ "code": 200, "data": [ "budi", "budi", "budi", "budi" ], "message": "success" }
```

RDS

Dashboard RDS

Amazon RDS

Dashboard

Databases

Query Editor

Performance insights

Snapshots

Automated backups

Reserved instances

Proxies

Subnet groups

Parameter groups

Option groups

Custom engine versions

Events

Event subscriptions

Recommendations

Certificate update

Try the new Amazon RDS Multi-AZ deployment option for MySQL and PostgreSQL

For your Amazon RDS for MySQL and PostgreSQL workloads, improve transactional commit latencies by 2x, experience faster failover typically less than 35 seconds and, get read scalability with two readable standby DB instances by deploying the Multi-AZ DB Cluster. [Learn more](#)

Create database

Or, Restore Multi-AZ DB Cluster from Snapshot

Resources

You are using the following Amazon RDS resources in the US East (N. Virginia) region (us-east-1)

DB Instance (0/40)

Allocated storage ID 78/100 TB

Increase DB instances limit

DB Cluster (0/40)

Reserved instances (0/40)

Snapshots (0)

Manual

DB Cluster (0/100)

DB Instance (0/100)

Automated

DB Cluster (0)

DB Instance (0)

Recent events (0)

Event subscriptions (0/20)

Parameter groups (0)

Default (0)

Custom (0/100)

Option groups (0)

Default (0)

Custom (0/20)

Subnet groups (0/70)

Supported platform: VPC

Default network vpc-0buc1c793394c3b9

Create database

Amazon Relational Database Service (RDS) makes it easy to set up, operate, and scale a relational database in the cloud.

Restore from S3

Create database

Note: your DB instances will launch in the US East (N. Virginia) region

Service health

View service health dashboard

Recommended for you

Amazon RDS Backup and Restore using AWS Backup

Learn how to backup and restore Amazon RDS databases using AWS Backup in just 10 minutes. [Learn more](#)

Migrate S3DB to RDS for SQL Server

Learn how you can migrate existing S3DB content to an Amazon RDS for SQL Server instance using a PowerShell module. [Learn more](#)

Test Your DB Strategy in Minutes

Amazon Aurora Global Database now supports planned managed failover, making disaster recovery with a breeze. [Learn more](#)

Implementing Cross-Region DB

Learn how to set up Cross-Region disaster recovery (DR) for Aurora PostgreSQL using an Aurora global database spanning multiple Regions. [Learn more](#)

Additional information

[Getting started with RDS](#)

[Overview and features](#)

[Documentation](#)

[Articles and tutorials](#)

[Data import guide for MySQL](#)

[Data import guide for Oracle](#)

[Data import guide for SQL Server](#)

[New RDS feature announcements](#)

RDS > Create database

Create database

Choose a database creation method [Info](#)

☒ Standard create

You set all of the configuration options, including ones for availability, security, backups, and maintenance.


☐ Easy create

Use recommended best-practice configurations. Some configuration options can be changed after the database is created.


Engine options

Engine type [Info](#)


☐ Amazon Aurora




☒ MySQL




☐ MariaDB




☐ PostgreSQL



☐ Oracle



☐ Microsoft SQL Server



Edition

☒ MySQL Community

Version

MySQL 8.0.28

## Templates

Choose a sample template to meet your use case.



### Production

Use defaults for high availability and fast, consistent performance.



### Dev/Test

This instance is intended for development use outside of a production environment.



### Free tier

Use RDS Free Tier to develop new applications, test existing applications, or gain hands-on experience with Amazon RDS.

[Info](#)

## Settings

DB instance identifier [Info](#)

Type a name for your DB instance. The name must be unique across all DB instances owned by your AWS account in the current AWS Region.

alterra\_academy

The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 60 alphanumeric characters or hyphens. First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.

### ▼ Credentials Settings

Master username [Info](#)

Type a login ID for the master user of your DB instance.

root

1 to 16 alphanumeric characters. First character must be a letter.

☐ Auto generate a password

Amazon RDS can generate a password for you, or you can specify your own password.

Master password [Info](#)

\*\*\*\*\*

Constraints: At least 8 printable ASCII characters. Can't contain any of the following: / (slash), ' (single quote), " (double quote) and @ (at sign).

Confirm password [Info](#)

\*\*\*\*\*

Connectivity

Virtual private cloud (VPC) [Info](#)

VPC that defines the virtual networking environment for this DB instance.

Default VPC (vpc-0bcc1c793394c3c3b) ▼

Only VPCs with a corresponding DB subnet group are listed.

ⓘ After a database is created, you can't change its VPC.

Subnet group [Info](#)

DB subnet group that defines which subnets and IP ranges the DB instance can use in the VPC you selected.

default ▼

Public access [Info](#)

☒ Yes

Amazon EC2 instances and devices outside the VPC can connect to your database. Choose one or more VPC security groups that specify which EC2 instances and devices inside the VPC can connect to the database.

☐ No

RDS will not assign a public IP address to the database. Only Amazon EC2 instances and devices inside the VPC can connect to your database.

VPC security group

Choose a VPC security group to allow access to your database. Ensure that the security group rules allow the appropriate incoming traffic.

☒ Choose existing

Choose existing VPC security groups

☐ Create new

Create new VPC security group

Existing VPC security groups

Choose VPC security groups ▼

launch-wizard-1 ✕

Availability Zone [Info](#)

No preference ▼

▼ Additional configuration

Database port [Info](#)

TCP/IP port that the database will use for application connections.

3306

Database port [Info](#)

TCP/IP port that the database will use for application connections.

3306

Database authentication

Database authentication options [Info](#)

☒ Password authentication

Authenticates using database passwords.

☐ Password and IAM database authentication

Authenticates using the database password and user credentials through AWS IAM users and roles.

☐ Password and Kerberos authentication

Choose a directory in which you want to allow authorized users to authenticate with this DB instance using Kerberos Authentication.

► Additional configuration

Database options, encryption turned on, backup turned on, backtrack turned off, Enhanced Monitoring turned off, maintenance, CloudWatch Logs, delete protection turned off.

Estimated monthly costs

The Amazon RDS Free Tier is available to you for 12 months. Each calendar month, the free tier will allow you to use the Amazon RDS resources listed below for free:

- 750 hrs of Amazon RDS in a Single-AZ db.t2.micro, db.t3.micro or db.t4g.micro Instance.
- 20 GB of General Purpose Storage (SSD).
- 20 GB for automated backup storage and any user-initiated DB Snapshots.

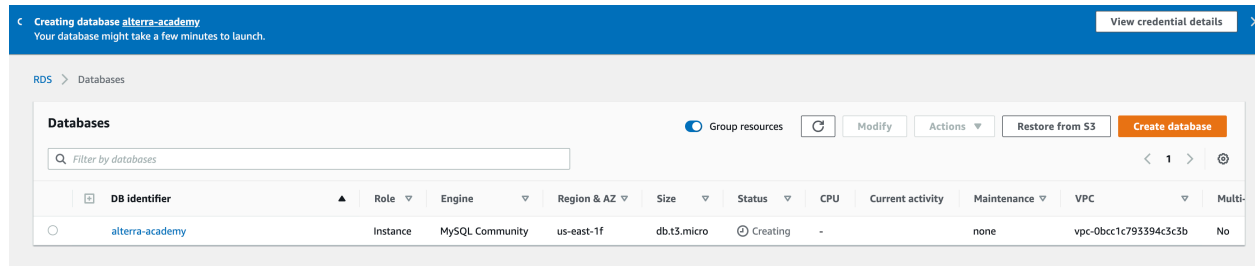
[Learn more about AWS Free Tier.](#) [↗](#)

When your free usage expires or if your application use exceeds the free usage tiers, you simply pay standard, pay-as-you-go service rates as described in the [Amazon RDS Pricing page.](#) [↗](#)

ⓘ You are responsible for ensuring that you have all of the necessary rights for any third-party products or services that you use with AWS services.

Cancel

Create database



## RDS input data from local

