

[Create database | Aurora](#)

[Aurora and RDS](#) > Create database

Create database Info

Choose a database creation method

- 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](#)

- Aurora (MySQL Compatible)
- Aurora (PostgreSQL Compatible)
- MySQL
- PostgreSQL
- MariaDB
- Oracle
- IBM DB2

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MySQL

MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.

- Supports database size up to 64 TiB.
- Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.
- Supports automated backup and point-in-time recovery.
- Supports up to 15 Read Replicas per instance, within a single Region or 5 read replicas cross-region.

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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](#)

Availability and durability

Deployment options [Info](#)

Choose the deployment option that provides the availability and durability needed for your use case. AWS is committed to a certain level of uptime depending on the deployment option you choose. Learn more in the [Amazon RDS service level agreement \(SLA\)](#).

- Multi-AZ DB cluster deployment (3 instances)**
Creates a primary DB instance with two readable standbys in separate Availability Zones. This setup provides:
 - 99.95% uptime
 - Redundancy across Availability Zones
 - Increased read capacity
 - Reduced write latency
- Multi-AZ DB instance deployment (2 instances)**
Creates a primary DB instance with a non-readable standby instance in a separate Availability Zone. This setup provides:
 - 99.95% uptime
 - Redundancy across Availability Zones
- Single-AZ DB instance deployment (1 instance)**
Creates a single DB instance without standby instances. This setup provides:
 - 99.5% uptime
 - No data redundancy

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[Create database | Aurora](#)

aws | Search [Option+S]

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hw04-db

The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 63 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.

1 to 16 alphanumeric characters. The first character must be a letter.

Credentials management
You can use AWS Secrets Manager or manage your master user credentials.

Managed in AWS Secrets Manager - most secure
RDS generates a password for you and manages it throughout its lifecycle using AWS Secrets Manager.

Self managed
Create your own password or have RDS create a password that you manage.

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

Master password [Info](#)

Password strength **Weak**
Minimum constraints: At least 8 printable ASCII characters. Can't contain any of the following symbols: / \ ^ @

Confirm master password [Info](#)

Instance configuration
The DB instance configuration options below are limited to those supported by the engine that you selected above.

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aws | Search [Option+S]

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Instance configuration
The DB instance configuration options below are limited to those supported by the engine that you selected above.

DB instance class [Info](#)

Show instance classes that support Amazon RDS Optimized Writes
[Info](#)
Amazon RDS Optimized Writes improves write throughput by up to 2x at no additional cost.

Include previous generation classes

Standard classes (includes m classes)

Memory optimized classes (includes r and x classes)

Burstable classes (includes t classes)

Storage

Storage type [Info](#)
Provisioned IOPS SSD (io2) storage volumes are now available.

General Purpose SSD (gp3)
Performance scales independently from storage

Allocated storage [Info](#)
 GiB
Minimum: 20 GiB. Maximum: 6,144 GiB

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- Supports automated backup and point-in-time recovery.
- Supports up to 15 Read Replicas per instance, within a single Region or 5 read replicas cross-region.

DB subnet group [Info](#)
Choose the DB subnet group. The DB subnet group defines which subnets and IP ranges the DB instance can use in the VPC that you selected.

Public access [Info](#)
 Yes
RDS assigns a public IP address to the database. Amazon EC2 Instances and other resources outside of the VPC can connect to your database. Resources inside the VPC can also connect to the database. Choose one or more VPC security groups that specify which resources can connect to the database.

 No
RDS doesn't assign a public IP address to the database. Only Amazon EC2 Instances and other resources inside the VPC can connect to your database. Choose one or more VPC security groups that specify which resources can connect to the database.

VPC security group (firewall) [Info](#)
Choose one or more VPC security groups to allow access to your database. Make sure that the security group rules allow the appropriate incoming traffic.

Choose existing
Choose existing VPC security groups

Create new
Create new VPC security group

New VPC security group name

Availability Zone [Info](#)

RDS Proxy
RDS Proxy is a fully managed, highly available database proxy that improves application scalability, resiliency, and security.

[Create an RDS Proxy](#) [Info](#)
RDS automatically creates an IAM role and a Secrets Manager secret for the proxy. RDS Proxy has additional costs. For more information, see [Amazon RDS Proxy pricing](#).

Certificate authority - optional [Info](#)
Using a server certificate provides an extra layer of security by validating that the connection is being made to an Amazon database. It does so by checking the server certificate that is automatically installed on all databases that you provision.

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Auto minor version upgrade [Info](#)
 Enable auto minor version upgrade
Enabling auto minor version upgrade will automatically upgrade to new minor versions as they are released. The automatic upgrades occur during the maintenance window for the database.

Maintenance window [Info](#)
Select the period you want pending modifications or maintenance applied to the database by Amazon RDS.

Choose a window

No preference

Deletion protection

Enable deletion protection
Protects the database from being deleted accidentally. While this option is enabled, you can't delete the database.

Estimated monthly costs

DB Instance	12.41 USD
Storage	2.30 USD
Total	14.71 USD

This billing estimate is based on on-demand usage as described in [Amazon RDS Pricing](#). Estimate does not include costs for backup storage, I/Os (if applicable), or data transfer.

Estimate your monthly costs for the DB Instance using the [AWS Simple Monthly Calculator](#).

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EC2

The screenshot shows the AWS EC2 Instances page. On the left, a sidebar menu includes EC2, Dashboard, EC2 Global View, Events, Instances (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images, AMIs, AMI Catalog, Elastic Block Store, Volumes, Snapshots, Lifecycle Manager, Network & Security, Security Groups, and Elastic IPs. The main content area displays the 'Instances (1/1) info' section. A search bar at the top allows filtering by attribute or tag. Below it, a table lists one instance: HW04-EC2 (Instance ID: i-0bd8d5da155df9b6d, State: Running, Type: t2.micro). The 'Details' tab is selected in the navigation bar. Under 'Instance summary', details include: Instance ID (i-0bd8d5da155df9b6d), Public IPv4 address (54.147.216.169), Private IP4 addresses (172.31.30.165), IPv6 address (None), Instance state (Running), Hostname type (IP name: ip-172-31-30-165.ec2.internal), and Private IP DNS name (IPv4 only) (ip-172-31-30-165.ec2.internal).

```
ec2-user@ip-172-31-30-165:~
```

```
anhndt@Anhs-MacBook-Pro ~ % fish
Welcome to fish, the friendly interactive shell
Type help for instructions on how to use fish
>anhndt@Anhs-MacBook-Pro ~> cd /Users/anhndt/Desktop/CC
>anhndt@Anhs-MacBook-Pro ~/D/CC> chmod 400 "HW04.pem"
anhndt@Anhs-MacBook-Pro ~/D/CC> ssh -i "HW04.pem" ec2-user@ec2-54-147-216-169.compute-1.amazonaws.com
The authenticity of host 'ec2-54-147-216-169.compute-1.amazonaws.com (54.147.216.169)' can't be established.
ED25519 key fingerprint is SHA256:GZj4eGpvPa1LxpG5D9LlsoDpEG1xw8GZlv0mWSRF0Vo.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-54-147-216-169.compute-1.amazonaws.com' (ED25519) to the list of known hosts.
,
#_
~\_ #####_ Amazon Linux 2023
~~ \#####\
~~ \###|
~~ \#/ ___ https://aws.amazon.com/linux/amazon-linux-2023
~~ \~' '->
~~~ /
~~..-/-
~/ -/
~/m/'
```

```
[ec2-user@ip-172-31-30-165 ~]$
```

```
ec2-user@ip-172-31-30-165:~ % Running transaction test
Transaction test succeeded.
Running transaction
Preparing : 1/1
Installing : mariadb-connector-c-config-3.3.10-1.amzn2023.0.1.noa 1/5
Installing : mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64 2/5
Installing : mariadb105-common-3:10.5.25-1.amzn2023.0.1.x86_64 3/5
Installing : perl-Sys-Hostname-1.23-477.amzn2023.0.6.x86_64 4/5
Installing : mariadb105-3:10.5.25-1.amzn2023.0.1.x86_64 5/5
Running scriptlet: mariadb105-3:10.5.25-1.amzn2023.0.1.x86_64 5/5
Verifying : mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64 1/5
Verifying : mariadb-connector-c-config-3.3.10-1.amzn2023.0.1.noa 2/5
Verifying : mariadb105-3:10.5.25-1.amzn2023.0.1.x86_64 3/5
Verifying : mariadb105-common-3:10.5.25-1.amzn2023.0.1.x86_64 4/5
Verifying : perl-Sys-Hostname-1.23-477.amzn2023.0.6.x86_64 5/5

Installed:
mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64
mariadb-connector-c-config-3.3.10-1.amzn2023.0.1.noarch
mariadb105-3:10.5.25-1.amzn2023.0.1.x86_64
mariadb105-common-3:10.5.25-1.amzn2023.0.1.x86_64
perl-Sys-Hostname-1.23-477.amzn2023.0.6.x86_64

Complete!
[ec2-user@ip-172-31-30-165 ~]$
```

```
ec2-user@ip-172-31-30-165:~
```

Installing	: mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64	2/5
Installing	: mariadb105-common-3:10.5.25-1.amzn2023.0.1.x86_64	3/5
Installing	: perl-Sys-Hostname-1.23-477.amzn2023.0.6.x86_64	4/5
Installing	: mariadb105-3:10.5.25-1.amzn2023.0.1.x86_64	5/5
Running scriptlet:	mariadb105-3:10.5.25-1.amzn2023.0.1.x86_64	5/5
Verifying	: mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64	1/5
Verifying	: mariadb-connector-c-config-3.3.10-1.amzn2023.0.1.noarch	2/5
Verifying	: mariadb105-3:10.5.25-1.amzn2023.0.1.x86_64	3/5
Verifying	: mariadb105-common-3:10.5.25-1.amzn2023.0.1.x86_64	4/5
Verifying	: perl-Sys-Hostname-1.23-477.amzn2023.0.6.x86_64	5/5

Installed:

```
mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64
mariadb-connector-c-config-3.3.10-1.amzn2023.0.1.noarch
mariadb105-3:10.5.25-1.amzn2023.0.1.x86_64
mariadb105-common-3:10.5.25-1.amzn2023.0.1.x86_64
perl-Sys-Hostname-1.23-477.amzn2023.0.6.x86_64
```

Complete!

```
[ec2-user@ip-172-31-30-165 ~]$ mysql --verion
mysql: unknown option '--verion'
[ec2-user@ip-172-31-30-165 ~]$ mysql --version
mysql Ver 15.1 Distrib 10.5.25-MariaDB, for Linux (x86_64) using EditLine wrapper
[ec2-user@ip-172-31-30-165 ~]$
```

```
ec2-user@ip-172-31-30-165:~
```

Installed:

```
mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64
mariadb-connector-c-config-3.3.10-1.amzn2023.0.1.noarch
mariadb105-3:10.5.25-1.amzn2023.0.1.x86_64
mariadb105-common-3:10.5.25-1.amzn2023.0.1.x86_64
perl-Sys-Hostname-1.23-477.amzn2023.0.6.x86_64
```

Complete!

```
[ec2-user@ip-172-31-30-165 ~]$ mysql --verion
mysql: unknown option '--verion'
[ec2-user@ip-172-31-30-165 ~]$ mysql --version
mysql Ver 15.1 Distrib 10.5.25-MariaDB, for Linux (x86_64) using EditLine wrapper
[ec2-user@ip-172-31-30-165 ~]$ mysql -h your-rds-endpoint -u admin -P
mysql: option '-P' requires an argument
[ec2-user@ip-172-31-30-165 ~]$ mysql -h your-rds-endpoint -u admin -p
Enter password:
ERROR 2005 (HY000): Unknown MySQL server host 'your-rds-endpoint' (-2)
[ec2-user@ip-172-31-30-165 ~]$ mysql -h your-rds-endpoint -u admin -p
Enter password:
ERROR 2005 (HY000): Unknown MySQL server host 'your-rds-endpoint' (-2)
[ec2-user@ip-172-31-30-165 ~]$ mysql -h hw04-db.cylcw6ia4e5d.us-east-1.rds.amazonaws.com -u admin -p
Enter password:
```

Aurora and RDS | us-east-1 | Connect to instance | EC2 | us-east-1 | HW04 - Google Tài liệu

Aurora and RDS > Databases > hw04-db

Summary

DB identifier	hw04-db	Status	Available
CPU	6.80%	Role	Instance
		Current activity	0 Connections
		Engine	MySQL Community
		Region & AZ	us-east-1f

Connectivity & security

Endpoint & port	Networking	Security
Endpoint: hw04-db.cyclw6ia4e5d.us-east-1.rds.amazonaws.com	Availability Zone: us-east-1f	VPC security groups: HW04-VPC (sg-03aab4953ece2f4b1) (Active)
Port: 3306	VPC: vpc-067254b957b3772c3	Publicly accessible: No
	Subnet group: default-vpc-067254b957b3772c3	Certificate authority: Info rds-ca-rsa2048-g1
	Subnets:	Certificate authority date: May 25, 2061, 18:34 (UTC-05:00)
	subnet-0c75bdcbfbacb4a3	DB instance certificate expiration date: March 27, 2026, 13:49 (UTC-05:00)
	subnet-0406046670e614728	
	subnet-0da5dd27f14f53df1	
	subnet-0b20d782339b9da2d	
	subnet-087e1c7da9a04ed29	
	subnet-060fa053907bf1c60	

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EC2 | us-east-1 | Connect to instance | EC2 | us-east-1 | HW04 - Google Tài liệu

EC2 > Security Groups (1/1) Info

Find resources by attribute or tag: sg-03aab4953ece2f4b1 | Clear filters

Name	Security group ID	Security group name	VPC ID	Description
sg-03aab4953ece2f4b1	sg-03aab4953ece2f4b1	HW04-VPC	vpc-067254b957b3772c3	Create

sg-03aab4953ece2f4b1 - HW04-VPC

Details | Inbound rules | Outbound rules | Sharing - new | VPC associations - new | Tags

Details

Security group name: HW04-VPC	Security group ID: sg-03aab4953ece2f4b1	Description: Created by RDS management console	VPC ID: vpc-067254b957b3772c3
Owner:	Inbound rules count:	Outbound rules count:	

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EC2

sg-03aab4953ece2f4b1 - HW04-VPC

Details

Security group name sg-03aab4953ece2f4b1	Security group ID sg-03aab4953ece2f4b1	Description Created by RDS management console	VPC ID vpc-067254b957b5772c3
Owner 324037307521	Inbound rules count 2 Permission entries	Outbound rules count 1 Permission entry	

Inbound rules | Outbound rules | Sharing - new | VPC associations - new | Tags

Inbound rules (2)

Name	Security group rule ID	IP version	Type	Protocol	Port range
-	sgr-0d6e22ddd0f1ce6b1	IPv4	MySQL/Aurora	TCP	3306
-	sgr-0c05f0a3b757aaaf8d	IPv4	MySQL/Aurora	TCP	3306

Edit inbound rules

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules Info

Security group rule ID	Type	Protocol	Port range	Source	Description - optional
sgr-0d6e22ddd0f1ce6b1	MySQL/Aurora	TCP	3306	Cust... 209.152.96.166/32	<input type="button" value="Delete"/>
sgr-0c05f0a3b757aaaf8d	MySQL/Aurora	TCP	3306	Cust... 0.0.0.0/0	<input type="button" value="Delete"/>

Add rule

⚠️ Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Cancel **Preview changes** **Save rules**

```
* Install MySQL Shell in EC2: sudo dnf install mariadb105
```

```
- Check if MySql Shell is installed successfully: mysql --version
* Connect to MySQL from EC2 using MySQL CLI: mysql -h
hw04-db.cylcw6ia4e5d.us-east-1.rds.amazonaws.com -u admin -p
* Run the following commands in MySQL Shell:
```
CREATE DATABASE company;
USE company;

CREATE TABLE users (
 id INT AUTO_INCREMENT PRIMARY KEY,
 name VARCHAR(50),
 email VARCHAR(100) UNIQUE,
 age INT
);

INSERT INTO users (name, email, age) VALUES
('Alice', 'alice@example.com', 25),
('Bob', 'bob@example.com', 30);

SELECT * FROM users;
```

```

```
ec2-user@ip-172-31-30-165:~  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'use company' at line 2  
MySQL [(none)]> use company  
ERROR 1049 (42000): Unknown database 'company'  
MySQL [(none)]> create database company  
-> ;  
Query OK, 1 row affected (0.006 sec)  
  
MySQL [(none)]> use company  
Database changed  
MySQL [company]> CREATE TABLE users (  
->     id INT AUTO_INCREMENT PRIMARY KEY,  
->     name VARCHAR(50),  
->     email VARCHAR(100) UNIQUE,  
->     age INT  
-> );  
Query OK, 0 rows affected (0.034 sec)  
  
MySQL [company]> INSERT INTO users (name, email, age) VALUES  
-> ('Alice', 'alice@example.com', 25),  
-> ('Bob', 'bob@example.com', 30);  
Query OK, 2 rows affected (0.006 sec)  
Records: 2  Duplicates: 0  Warnings: 0  
  
MySQL [company]> SELECT * FROM users;  
+----+-----+-----+----+  
| id | name | email | age |  
+----+-----+-----+----+  
| 1 | Alice | alice@example.com | 25 |  
| 2 | Bob | bob@example.com | 30 |  
+----+-----+-----+----+  
2 rows in set (0.001 sec)  
  
MySQL [company]> █
```

Create cluster | Amazon Doc... Connect to instance | EC2 | us-east-1#cluster-create HW04 - Google Tài liệu

us-east-1.console.aws.amazon.com/docdb/home?region=us-east-1#cluster-create

aws DocumentDB Clusters Create cluster

Authentication

Username [Info](#)
Specify an alphanumeric string that defines the login ID for the user.
 anhndt
Username must start with a letter and contain 1 to 63 characters

Managed in AWS Secrets Manager
DocumentDB generates a password for you and manages it throughout its lifecycle using AWS Secrets Manager.

Self managed
Create your own password.

Password [Info](#)

Password must be at least eight characters long and cannot contain a / (slash), " (double quote) or @ (at symbol).

Confirm password [Info](#)

⚠ The estimated hourly cost for 2 db.t3.medium instance(s) is \$0.16/hr.
db.t3.medium instances are eligible for the 1-month Amazon DocumentDB free trial for new users. For more information see the AWS Free page (<https://aws.amazon.com/free>). With Amazon DocumentDB you are charged for instances, storage, IOPS, backups, and data transfer. Please see our [pricing page](#) and [cost optimization documentation](#) for more information.

⚠ Amazon DocumentDB requires permissions to manage AWS resources on your behalf. By clicking Create cluster, you grant permission for Amazon DocumentDB to create a service-linked role in AWS IAM that contains the required permissions.

Show advanced settings

[Cancel](#) [Create cluster](#)

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Clusters | Amazon DocumentDB Connect to instance | EC2 | us-east-1#clusters HW04 - Google Tài liệu

us-east-1.console.aws.amazon.com/docdb/home?region=us-east-1#clusters

aws DocumentDB Clusters

Your cluster 'docdb-2025-03-27-19-07-47' is being created.

Cluster identifier	Status	Role	Engine version	Region & AZ	Instance type
docdb-2025-03-27-19-07-47	Creating	Regional cluster	5.0.0	us-east-1	-
docdb-2025-03-27-19-07-47	Creating	Replica instance	5.0.0	-	-
docdb-2025-03-27-19-07-472	Creating	Replica instance	5.0.0	-	-

Clusters (1)

Filter Resources

Group Resources Connect to cluster Actions Create

Dashboard Clusters Performance Insights Snapshots zero-ETL integrations Subnet groups Parameter groups Event Subscriptions Events Recommendations No-code machine learning What's New Tutorials

https://us-east-1.console.aws.amazon.com/docdb/home?region=us-east-1#cluster-details/docdb-2025-03-27-19-07-47

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```
ec2-user@ip-172-31-30-165:~
```

Installing : mongodb-org-database-tools-extra-8.0.6-1.amzn2023.x86_64	1/8
Running scriptlet: mongodb-org-server-8.0.6-1.amzn2023.x86_64	2/8
Installing : mongodb-org-server-8.0.6-1.amzn2023.x86_64	2/8
Running scriptlet: mongodb-org-server-8.0.6-1.amzn2023.x86_64	2/8
Created symlink /etc/systemd/system/multi-user.target.wants/mongod.service → /usr/lib/systemd/system/mongod.service.	
Installing : mongodb-org-mongos-8.0.6-1.amzn2023.x86_64	3/8
Installing : mongodb-org-database-8.0.6-1.amzn2023.x86_64	4/8
Installing : mongodb-mongosh-2.4.2-1.el8.x86_64	5/8
Running scriptlet: mongodb-database-tools-100.11.0-1.x86_64	6/8
Installing : mongodb-database-tools-100.11.0-1.x86_64	6/8
Running scriptlet: mongodb-database-tools-100.11.0-1.x86_64	6/8
Installing : mongodb-org-tools-8.0.6-1.amzn2023.x86_64	7/8
Installing : mongodb-org-8.0.6-1.amzn2023.x86_64	8/8
Running scriptlet: mongodb-org-8.0.6-1.amzn2023.x86_64	8/8
Verifying : mongodb-database-tools-100.11.0-1.x86_64	1/8
Verifying : mongodb-mongosh-2.4.2-1.el8.x86_64	2/8
Verifying : mongodb-org-8.0.6-1.amzn2023.x86_64	3/8
Verifying : mongodb-org-database-8.0.6-1.amzn2023.x86_64	4/8
Verifying : mongodb-org-database-tools-extra-8.0.6-1.amzn2023.x86_64	5/8
Verifying : mongodb-org-mongos-8.0.6-1.amzn2023.x86_64	6/8
Verifying : mongodb-org-server-8.0.6-1.amzn2023.x86_64	7/8
Verifying : mongodb-org-tools-8.0.6-1.amzn2023.x86_64	8/8
Installed:	
mongodb-database-tools-100.11.0-1.x86_64	mongod-mongosh-2.4.2-1.el8.x86_64
mongodb-org-8.0.6-1.amzn2023.x86_64	mongodb-org-database-8.0.6-1.amzn2023.x86_64
mongodb-org-database-tools-extra-8.0.6-1.amzn2023.x86_64	mongodb-org-mongos-8.0.6-1.amzn2023.x86_64
mongodb-org-server-8.0.6-1.amzn2023.x86_64	mongodb-org-tools-8.0.6-1.amzn2023.x86_64
Complete!	
[ec2-user@ip-172-31-30-165 ~]\$ mongosh --version	
2.4.2	
[ec2-user@ip-172-31-30-165 ~]\$	

The screenshot shows the AWS Amazon DocumentDB cluster details page. The main header includes tabs for 'Clusters | Amazon DocumentDB' and 'Connect to instance | EC2 | us-east-1'. The title is 'HW04 - Google Tài liệu'. The URL is 'us-east-1.console.aws.amazon.com/docdb/home?region=us-east-1#cluster-details/docdb-2025-03-27-19-07-47'. The top navigation bar has links like 'Test', 'Explore - LeetCode', 'Geeks', 'Presentation Tools', 'The Algorithms', 'Big O Calc', 'Google vs Facebook', 'ebooks', 'Design system in...', 'FAANG', 'React', 'BigTech', and a search bar.

The left sidebar under 'Amazon DocumentDB' contains the following sections:

- Dashboard
- Clusters
- Performance Insights
- Snapshots
- zero-ETL integrations
- Subnet groups
- Parameter groups
- Event Subscriptions
- Events
- Recommendations
- No-code machine learning
- What's New
- Tutorials

The main content area displays the cluster summary for 'docdb-2025-03-27-19-07-47'. It includes:

- Summary**: Engine version docdb 5.0.0, Instance status 1 / 2 instances are available, Cluster status Available, Total cluster instances 2/15.
- Connectivity & security** tab is selected.
- Connect** section: Getting Started Guide, Enabling/Disabling TLS, Connecting programmatically. It shows the command: `wget https://truststore.pki.rds.amazonaws.com/global/global-bundle.pem`.
- Connect to this cluster with the mongo shell**: Command: `mongosh docdb-2025-03-27-19-07-47.cluster-cylcw6ia4e5d.us-east-1.docdb.amazonaws.com:27017 --tls --tlsCAFile global-bundle.pem --retryWrites=false --username anhndt --password <insertYourPassword>`.
- Connect to this cluster with an application**: Command: `mongodb://anhndt:<insertYourPassword>@docdb-2025-03-27-19-07-47.cluster-cylcw6ia4e5d.us-east-1.docdb.amazonaws.com:27017/?tls=true&tlsCAFile=global-bundle.pem&replicaSet=rs0&readPreference=secondaryPreferred&retryWrites=false`.

At the bottom, there are links for CloudShell, Feedback, and a footer with copyright information: © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences.

This screenshot shows the same AWS Amazon DocumentDB cluster details page as the first one, but with different content in the main area.

The main content area displays the cluster summary for 'docdb-2025-03-27-19-07-47'. It includes:

- Security Groups (1)**: Shows a table with one entry: default (sg-019a29199c673fab0) with VPC Name (ID) vpc-067254b957b3772c5 and Description default VPC security group.
- Connected compute resources**: Shows a table with no entries: No connected compute resources. A button 'Set up EC2 connection' is present.

At the bottom, there are links for CloudShell, Feedback, and a footer with copyright information: © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences.

Screenshots of the AWS Management Console showing the configuration of an inbound security group rule.

The screenshot displays the "Edit inbound rules" page for a security group. The table lists two rules:

Security group rule ID	Type	Protocol	Port range	Source	Description - optional
sgr-072936bfc2c6900f	Custom TCP	TCP	27017	Cust... 0.0.0.0/0	
sgr-0e4e62dd925e65d47	All traffic	All	All	Cust... sg-019a29199c673fab0	

A warning message at the bottom left states: "⚠ Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only." To the right are "Cancel", "Preview changes", and "Save rules" buttons.

```
mongosh mongodb://<credentials>@docdb-2025-03-27-19-07-47.cluster-cylcw6ia4e5d.us-east-1.docdb.a...
For mongosh info see: https://www.mongodb.com/docs/mongodb-shell/
To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy).
You can opt-out by running the disableTelemetry() command.

-----
Warning: Non-Genuine MongoDB Detected
This server or service appears to be an emulation of MongoDB rather than an official MongoDB product.
Some documented MongoDB features may work differently, be entirely missing or incomplete, or have unexpected performance characteristics.
To learn more please visit: https://dochub.mongodb.org/core/non-genuine-mongodb-server-warning.
-----

rs0 [direct: primary] test> use mydb
... db.students.insert({name: "Peter", id: "S1000"})
... db.students.find()
switched to db mydb
rs0 [direct: primary] mydb> db.students.insert({name: "Peter", id: "S1000"})
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('67e5a731fb4941223f6b140b') }
}
rs0 [direct: primary] mydb> db.students.find()
[
  {
    _id: ObjectId('67e5a731fb4941223f6b140b'),
    name: 'Peter',
    id: 'S1000'
  }
]
rs0 [direct: primary] mydb> █
```