

aws

Services

Search

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Tokyo

satyasri @ 2943-0149-7186

View default settings for Easy create

Easy create sets the following configurations to their default values, some of which can be changed later. If you want to change any of these settings now, use [Standard create](#).

Configuration	Value	Editable after database is created
Encryption	Enabled	No
VPC	Default VPC (vpc-016c48806b34a9d67)	No
Option group	default:mysql-8-0	Yes
Subnet group	create-subnet-group	Yes
Automatic backups	Enabled	Yes
VPC security group	sg-001e63e0c8a564afd	Yes
Publicly accessible	No	Yes
Database port	3306	Yes
DB instance identifier	database-1	Yes
DB engine version	8.0.28	Yes

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Amazon RDS

RDS > Databases

Consider creating a Blue/Green Deployment to minimize downtime during upgrades
You may want to consider using Amazon RDS Blue/Green Deployments and minimize your downtime during upgrades. A Blue/Green Deployment provides a staging environment for changes to production databases. [RDS User Guide](#) [Aurora User Guide](#)

Databases

Group resources

Modify

Actions

Restore from S3

Create database

Filter by databases

DB identifier	Role	Engine	Region & AZ	Size	Status
database-1	Instance	MySQL Community	-	db.t3.micro	Creating

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EC2 > Instances > Launch an instance

Launch an instance

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags

Name

myds

Add additional tags

Application and OS Images (Amazon Machine Image)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

Recents

Quick Start

Summary

Number of instances

1

Software Image (AMI)

Amazon Linux 2 Kernel 5.10 AMI...read more

ami-030cf0a1edb8636ab

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in

Cancel

Launch instance

aws

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Recents

Quick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

S

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type
ami-030cf0a1edb8636ab (64-bit (x86)) / ami-0ed2199a781e8eff5 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

Description

Amazon Linux 2 Kernel 5.10 AMI 2.0.20230307.0 x86_64 HVM gp2

Architecture

AMI ID

64-bit (x86)

ami-030cf0a1edb8636ab

Verified provider

▼ Instance type

info

▼ Summary

Number of instances [Info](#)

1

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Cancel

Launch instance

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▼ 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

vinay

Create new key pair

▼ Network settings [Info](#)

VPC - required [Info](#)

vpc-016c48806b34a9d67 (default)

Subnet [Info](#)

No preference

Auto-assign public IP [Info](#)

Enable

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group

Select existing security group

Security group name - required

▼ Summary

Number of instances [Info](#)

1

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Amazon Linux 2 Kernel 5.10 AMI...[read more](#)
ami-030cf0a1edb8636ab

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Cancel

Launch instance

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Security group name - required

rdsg

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and _-./[!@#%&'()*+,-:;~]

Description - required [Info](#)

launch-wizard-6 created 2023-03-23T16:29:53.920Z

Inbound security groups rules

▼ Security group rule 1 (TCP, 22, 223.185.96.34/32)

Remove

Type [Info](#)

ssh

Protocol [Info](#)

TCP

Port range [Info](#)

22

Source type [Info](#)

My IP

Name [Info](#)

223.185.96.34/32

Description - optional [Info](#)

e.g. SSH for admin desktop

Add security group rule

▼ Configure storage [Info](#)

Advanced

1x 8 GiB gp2

Root volume (Not encrypted)

▼ Summary

Number of instances [Info](#)

1

Software Image (AMI)

Amazon Linux 2 Kernel 5.10 AMI...[read more](#)
ami-030cf0a1edb8636ab

Virtual server type (instance type)

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New security group

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Cancel

Launch instance

Amazon RDS

Dashboard

Databases

Query Editor

Performance insights

Snapshots

Exports in Amazon S3

Automated backups

Reserved instances

Proxies

Subnet groups

Parameter groups

Option groups

Custom engine versions

Events

Event subscriptions

Recommendations

RDS > Databases > database-1

database-1

Summary

DB identifier
database-1

CPU
3.41%

Status
Available

Role
Instance

Current activity
0 Connections

Engine
MySQL Community

Connectivity & security

Endpoint & port
Endpoint
database-1.cvvpydorc4y.ap-northeast-1.rds.amazonaws.com
Port
3306

Networking
Availability Zone
ap-northeast-1d
VPC
vpc-016c48806b34a9d67

Security
VPC security groups
default (sg-001e63e0cba564afd)
Active
Publicly accessible
No

Modify

Actions

Quick Actions - New

Convert to Multi-AZ deployment

Stop temporarily

Reboot

Delete

Set up EC2 connection

Create read replica

Create Aurora read replica

Create Blue/Green Deployment - new

Promote

Take snapshot

Restore to point in time

Migrate snapshot

RDS > Databases > Set up EC2 connection

Step 1
Set up EC2 connection

Step 2
Review and confirm

Set up EC2 connection

Select EC2 instance

Database
database-1

EC2 instance
Choose the EC2 instance to connect to this database. Only EC2 instances in the same VPC as the database are shown. If no EC2 instances in the same VPC are available, you can create a new EC2 instance.

i-0fe2247196e5c8759
mysql ap-northeast-1c

Create EC2 instance

Cancel Continue

RDS > Databases > Set up EC2 connection

Step 1
Set up EC2 connection

Step 2
Review and confirm

Review and confirm

Connection summary

You are setting up a connection between RDS database **database-1** and EC2 instance **i-0fe2247196e5c8759**.

To set up a connection between the database and the EC2 instance, VPC security group **rds-ec2-1** is added to the database, and VPC security group **ec2-rds-1** is added to the EC2 instance.

VPC: vpc-016c48806b34a9d67 (-)

Security group: **rds-ec2-1** (connection rule)

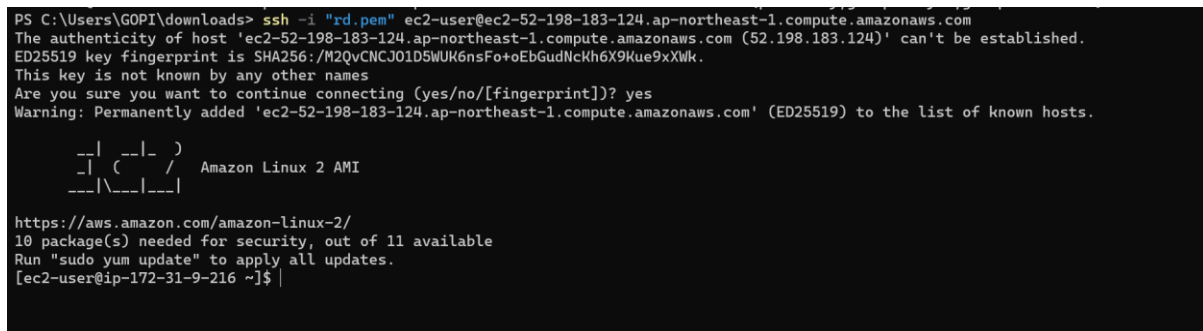
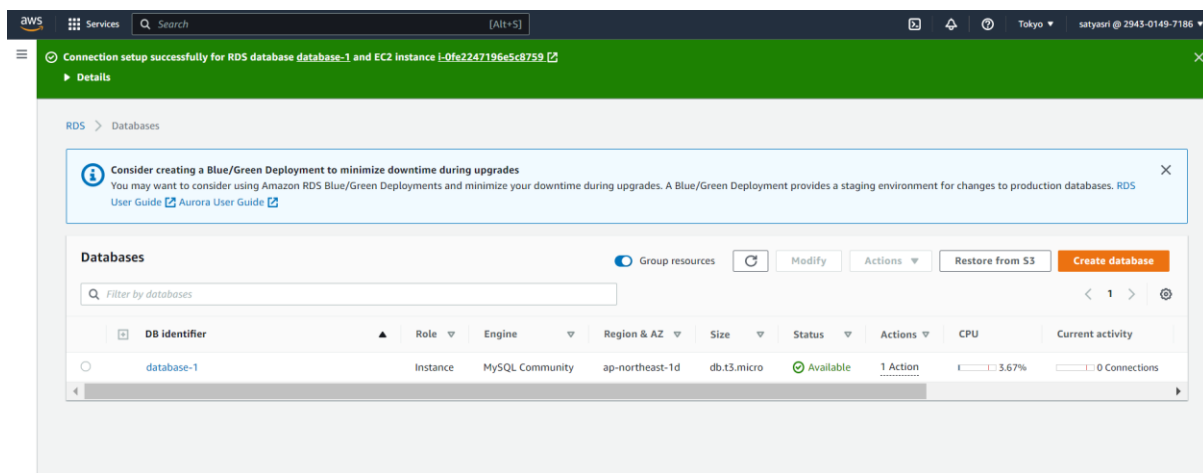
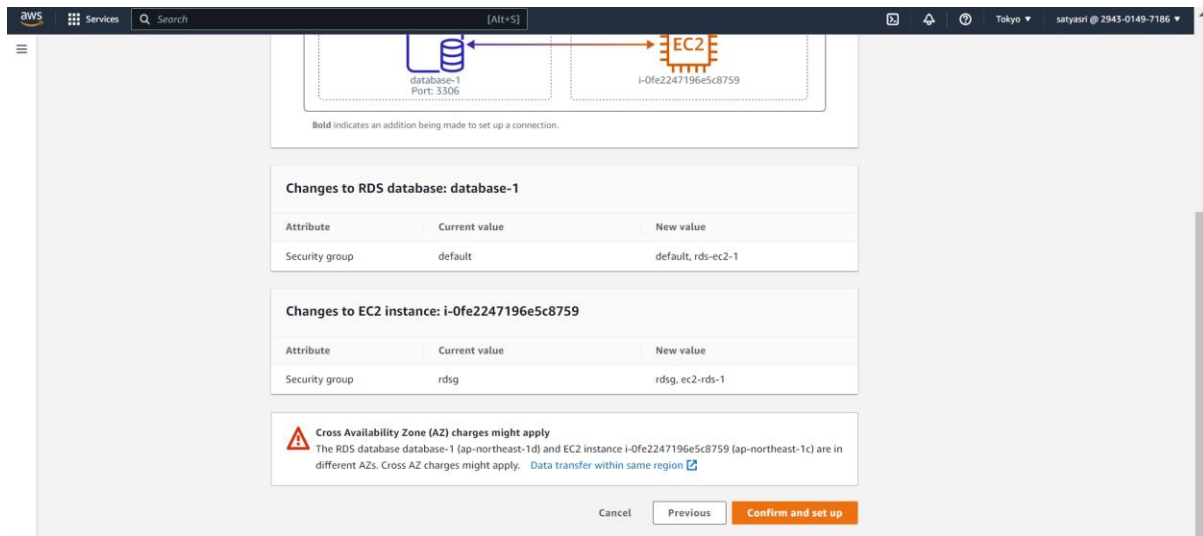
RDS
database-1
Port: 3306

Security group: **ec2-rds-1** (connection rule)

EC2
i-0fe2247196e5c8759

Bold indicates an addition being made to set up a connection.

Changes to RDS database: database-1



```
[ec2-user@ip-172-31-9-216 ~]$ sudo yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
----> Package kernel.x86_64 0:5.10.173-154.642.amzn2 will be installed
----> Package libxml2.x86_64 0:2.9.1-6.amzn2.5.6 will be updated
----> Package libxml2.x86_64 0:2.9.1-6.amzn2.5.7 will be an update
----> Package libxml2-python.x86_64 0:2.9.1-6.amzn2.5.6 will be updated
----> Package libxml2-python.x86_64 0:2.9.1-6.amzn2.5.7 will be an update
----> Package mtr.x86_64 2:0.92-2.amzn2 will be updated
----> Package mtr.x86_64 2:0.92-2.amzn2.0.1 will be an update
----> Package python3.x86_64 0:3.7.16-1.amzn2.0.1 will be updated
----> Package python3.x86_64 0:3.7.16-1.amzn2.0.2 will be an update
----> Package python3-libs.x86_64 0:3.7.16-1.amzn2.0.1 will be updated
----> Package python3-libs.x86_64 0:3.7.16-1.amzn2.0.2 will be an update
----> Package vim-common.x86_64 2:9.0.1314-1.amzn2.0.1 will be updated
----> Package vim-common.x86_64 2:9.0.1367-1.amzn2.0.1 will be an update
----> Package vim-data.noarch 2:9.0.1314-1.amzn2.0.1 will be updated
----> Package vim-data.noarch 2:9.0.1367-1.amzn2.0.1 will be an update
----> Package vim-enhanced.x86_64 2:9.0.1314-1.amzn2.0.1 will be updated
----> Package vim-enhanced.x86_64 2:9.0.1367-1.amzn2.0.1 will be an update
----> Package vim-filesystem.noarch 2:9.0.1314-1.amzn2.0.1 will be updated
----> Package vim-filesystem.noarch 2:9.0.1367-1.amzn2.0.1 will be an update
----> Package vim-minimal.x86_64 2:9.0.1314-1.amzn2.0.1 will be updated
----> Package vim-minimal.x86_64 2:9.0.1367-1.amzn2.0.1 will be an update
--> Finished Dependency Resolution

Dependencies Resolved
```

Package	Arch	Version	Repository	Size
---------	------	---------	------------	------

```
=====Installing:
Arch      Version      Repository      Size
kernel    x86_64       5.10.173-154.642.amzn2      amzn2extra-kernel-5.10      33 M
Updating:
libxml2    x86_64       2.9.1-6.amzn2.5.7      amzn2-core      661 k
libxml2-python    x86_64       2.9.1-6.amzn2.5.7      amzn2-core      246 k
mtr        x86_64       2:0.92-2.amzn2.0.1      amzn2-core      89 k
python3    x86_64       3.7.16-1.amzn2.0.2      amzn2-core      72 k
python3-libs    x86_64       3.7.16-1.amzn2.0.2      amzn2-core      9.8 M
vim-common  x86_64       2:9.0.1367-1.amzn2.0.1      amzn2-core      7.9 M
vim-data    noarch       2:9.0.1367-1.amzn2.0.1      amzn2-core      79 k
vim-enhanced    x86_64       2:9.0.1367-1.amzn2.0.1      amzn2-core      1.6 M
vim-filesystem    noarch       2:9.0.1367-1.amzn2.0.1      amzn2-core      73 k
vim-minimal    x86_64       2:9.0.1367-1.amzn2.0.1      amzn2-core      742 k

Transaction Summary
=====
Upgrade  10 Packages

Total download size: 54 M
Downloading packages:
Delta RPMs disabled because /usr/bin/applydeltarpm not installed.
(1/11): libxml2-2.9.1-6.amzn2.5.7.x86_64.rpm | 661 kB 00:00:00
(2/11): libxml2-python-2.9.1-6.amzn2.5.7.x86_64.rpm | 246 kB 00:00:00
(3/11): python3-3.7.16-1.amzn2.0.2.x86_64.rpm | 72 kB 00:00:00
(4/11): mtr-0.92-2.amzn2.0.1.x86_64.rpm | 89 kB 00:00:00
(5/11): vim-common-9.0.1367-1.amzn2.0.1.x86_64.rpm | 7.9 MB 00:00:00
(6/11): python3-libs-3.7.16-1.amzn2.0.2.x86_64.rpm | 9.8 MB 00:00:00
(7/11): vim-data-9.0.1367-1.amzn2.0.1.noarch.rpm | 79 kB 00:00:00
(8/11): kernel-5.10.173-154.642.amzn2.x86_64.rpm | 33 MB 00:00:00
(9/11): vim-enhanced-9.0.1367-1.amzn2.0.1.x86_64.rpm | 1.6 MB 00:00:00
(10/11): vim-filesystem-9.0.1367-1.amzn2.0.1.noarch.rpm | 73 kB 00:00:00
(11/11): vim-minimal-9.0.1367-1.amzn2.0.1.x86_64.rpm | 742 kB 00:00:00
-----Total
78 MB/s | 54 MB 00:00:00

Running transaction check
Running transaction test
Transaction test succeeded
```

```
ec2-user@ip-172-31-9-216 ~$ sudo yum update -y
Cleanup      : 2:vim-enhanced-9.0.1314-1.amzn2.0.1.x86_64      16/21
Cleanup      : 2:vim-common-9.0.1314-1.amzn2.0.1.x86_64      17/21
Cleanup      : 2:vim-data-9.0.1314-1.amzn2.0.1.noarch         18/21
Cleanup      : 2:vim-filesystem-9.0.1314-1.amzn2.0.1.noarch   19/21
Cleanup      : libxml2-2.9.1-6.amzn2.5.6.x86_64              20/21
Cleanup      : 2:mtr-0.92-2.amzn2.x86_64                     21/21
Verifying    : python3-3.7.16-1.amzn2.0.2.x86_64             1/21
Verifying    : 2:vim-common-9.0.1367-1.amzn2.0.1.x86_64      2/21
Verifying    : 2:vim-filesystem-9.0.1367-1.amzn2.0.1.noarch  3/21
Verifying    : kernel-5.10.173-154.642.amzn2.x86_64          4/21
Verifying    : 2:vim-enhanced-9.0.1367-1.amzn2.0.1.x86_64    5/21
Verifying    : python3-libs-3.7.16-1.amzn2.0.2.x86_64        6/21
Verifying    : libxml2-python-2.9.1-6.amzn2.5.7.x86_64       7/21
Verifying    : 2:vim-minimal-9.0.1367-1.amzn2.0.1.x86_64     8/21
Verifying    : 2:mtr-0.92-2.amzn2.0.1.x86_64                 9/21
Verifying    : 2:vim-data-9.0.1367-1.amzn2.0.1.noarch        10/21
Verifying    : libxml2-2.9.1-6.amzn2.5.7.x86_64              11/21
Verifying    : libxml2-python-2.9.1-6.amzn2.5.6.x86_64       12/21
Verifying    : 2:vim-filesystem-9.0.1314-1.amzn2.0.1.noarch  13/21
Verifying    : 2:vim-minimal-9.0.1314-1.amzn2.0.1.x86_64    14/21
Verifying    : 2:vim-common-9.0.1314-1.amzn2.0.1.x86_64     15/21
Verifying    : libxml2-2.9.1-6.amzn2.5.6.x86_64              16/21
Verifying    : 2:vim-enhanced-9.0.1314-1.amzn2.0.1.x86_64   17/21
Verifying    : python3-libs-3.7.16-1.amzn2.0.1.x86_64       18/21
Verifying    : 2:vim-data-9.0.1314-1.amzn2.0.1.noarch       19/21
Verifying    : 2:mtr-0.92-2.amzn2.x86_64                     20/21
Verifying    : python3-3.7.16-1.amzn2.0.1.x86_64            21/21

Installed:
kernel.x86_64 0:5.10.173-154.642.amzn2

Updated:
libxml2.x86_64 0:2.9.1-6.amzn2.5.7      libxml2-python.x86_64 0:2.9.1-6.amzn2.5.7      mtr.x86_64 2:0.92-2.amzn2.0.1
python3.x86_64 0:3.7.16-1.amzn2.0.2      python3-libs.x86_64 0:3.7.16-1.amzn2.0.2      vim-common.x86_64 2:9.0.1367-1.amzn2.0.1
vim-data.noarch 2:9.0.1367-1.amzn2.0.1      vim-enhanced.x86_64 2:9.0.1367-1.amzn2.0.1      vim-filesystem.noarch 2:9.0.1367-1.amzn2.0.1
vim-minimal.x86_64 2:9.0.1367-1.amzn2.0.1

Complete!
```

```
[ec2-user@ip-172-31-9-216 ~]$ mysql -h database-1.csvpydorxc4y.ap-northeast-1.rds.amazonaws.com -P 3306 -u admin -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 45
Server version: 8.0.28 Source distribution
```

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
MySQL [(none)]> SELECT CURRENT_TIMESTAMP;
+-----+
| CURRENT_TIMESTAMP |
+-----+
| 2023-03-23 17:51:35 |
+-----+
1 row in set (0.00 sec)
```

```
MySQL connection id is 49
Server version: 8.0.28 Source distribution
```

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
MySQL [(none)]> CREATE DATABASE sampled;
Query OK, 1 row affected (0.01 sec)
```

```
MySQL [(none)]> USE sampled;
```

```
ec2-user@ip-172-31-9-216 x + v
MySQL [(none)]> CREATE TABLE sampletable(
  -> id INT NOT NULL AUTO_INCREMENT,
  -> name VARCHAR(50) NOT NULL,
  -> PRIMARY KEY(id)
  -> );
ERROR 1046 (3D000): No database selected
MySQL [(none)]> USE sampled;
Database changed
MySQL [sampled]> CREATE TABLE sampletable( id INT NOT NULL AUTO_INCREMENT, name VARCHAR(50) NOT NULL, PRIMARY KEY(id) );
Query OK, 0 rows affected (0.04 sec)

MySQL [sampled]> SHOW TABLES;
+-----+
| Tables_in_sampled |
+-----+
| sampletable       |
+-----+
1 row in set (0.00 sec)

MySQL [sampled]> INSERT INTO sampletable(name) VALUES ('John');Query OK, 1 row affected (0.01 sec)

MySQL [sampled]> INSERT INTO sampletable(name) VALUES ('Jane');
Query OK, 1 row affected (0.01 sec)

MySQL [sampled]> INSERT INTO sampletable(name) VALUES ('SRI');
Query OK, 1 row affected (0.01 sec)

MySQL [sampled]> SELECT * FROM sampletable;
+----+-----+
| id | name |
+----+-----+
|  1 | John |
|  2 | Jane |
+----+-----+
```