

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

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

Refresh

You are using the following Amazon RDS resources in the US East (N. Virginia) region (used/quota)

DB Instances (0/40)

Allocated storage (0 TB/100 TB)

Increase DB instances limit

DB Clusters (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 (0/50)

Supported platforms [VPC](#)

Default network vpc-06616d719f77b4b03

Recommended for you

Migrate SSRS to RDS for SQL Server

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

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](#)

Time-Series Tables in PostgreSQL

Step-by-step guide to design high-performance time series data tables on Amazon RDS for PostgreSQL. [Learn more](#)

Test Your DR Strategy in Minutes

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

Feedback

Language

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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.

Configuration

Engine type [Info](#)

☐ Aurora (MySQL Compatible)

☐ Aurora (PostgreSQL Compatible)

☒ MySQL

☐ MariaDB

☐ PostgreSQL

☐ Oracle

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Language

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Instances | EC2 Management Console

RDS Management Console

us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#launch-dbinstance:gdb=false:s3-import=false

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Services Search [Alt+S]

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DB instance size

Production

db.r5g.xlarge

4 vCPUs

32 GB RAM

500 GiB

1.017 USD/hour

Dev/Test

db.r5g.large

2 vCPUs

16 GB RAM

100 GiB

0.231 USD/hour

Free tier

db.t3.micro

2 vCPUs

1 GB RAM

20 GiB

0.020 USD/hour

DB instance identifier

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.

database-2

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.

Master username

Info

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

admin

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 master password

Info

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RDS Management Console

us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#launch-dbinstance:gdb=false:s3-import=false

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▼ 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-06616d719f77b4b03)	No
Option group	default:mysql-8-0	Yes
Subnet group	create-subnet-group	Yes
Automatic backups	Enabled	Yes
VPC security group	sg-053cbe9391525662	Yes
Publicly accessible	No	Yes
Database port	3306	Yes
DB instance identifier	database-1	Yes
DB engine version	8.0.28	Yes
DB parameter group	default.mysql8.0	Yes
Performance insights	Enabled	Yes
Monitoring	Enabled	Yes
Maintenance	Auto minor version upgrade enabled	Yes

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Instances | EC2 Management Console

RDS Management Console

us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#databases:

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BWS Services Search [Alt+S]

Amazon RDS

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Certificate update

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

< 1 >

DB identifier	Role	Engine	Region & AZ	Size	Status	Actions	CPU
database-2	Instance	MySQL Community	us-east-1a	db.t3.micro	Available	1 Action	3.64%

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Dashboard | EC2 Management Console

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Home:

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BWS Services Search [Alt+S]

New EC2 Experience

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Scheduled Instances

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Resources

EC2 Global view

You are using the following Amazon EC2 resources in the US East (N. Virginia) Region:

Instances (running)	1	Auto Scaling Groups	0	Dedicated Hosts	0
Elastic IPs	0	Instances	1	Key pairs	3
Load balancers	0	Placement groups	0	Security groups	16
Snapshots	0	Volumes	1		

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Launch instance

Migrate a server

Launch instance

Launch instance from template

N. Virginia Region

Scheduled events

US East (N. Virginia)

No scheduled events

Service health

AWS Health Dashboard

Region

US East (N. Virginia)

Status

This service is operating normally

Zones

Zone name	Zone ID
us-east-1a	use1-az6

Account attributes

Supported platforms

VPC

Default VPC

vpc-06616d719f77b4b03

Settings

EBS encryption

Zones

EC2 Serial Console

Default credit specification

Console experiments

Explore AWS

10 Things You Can Do Today to Reduce AWS Costs

Explore how to effectively manage your AWS costs without compromising on performance or capacity. [Learn more](#)

Get Up to 40% Better Price Performance

T4g instances deliver the best price performance for burstable general purpose workloads in Amazon EC2. [Learn more](#)

Save up to 90% on EC2 with Spot Instances

Get up to 90% off on-demand Amazon EC2 instances. [Learn more](#)

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EC2 Management Console

how to get old version of ec2 in...Find OS platform or version for...+

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

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ServicesSearch[Alt+S]

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

rds connect

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

RecentsQuick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

S

Browse more AMIs

Summary

Number of instances

1

Software Image (AMI)

Amazon Linux 2 Kernel 5.10 AMI...read more

ami-005f9685cb30f234b

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 the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

CancelLaunch instance

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EC2 Management Console

how to get old version of ec2 in...Find OS platform or version for...+

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

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ServicesSearch[Alt+S]

EC2 > Instances > Launch an instance

Name and tags

Name

rds connect

Add additional tags

Application and OS Images (Amazon Machine Image)

Amazon Machine Image (AMI)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type

ami-005f9685cb30f234b (64-bit (x86)) / ami-05a66dc4a507a82cc (64-bit (Arm))

Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Amazon Linux 2 Kernel 5.10 AMI 2.0.20230307.0 x86_64 HVM gp2

Architecture

64-bit (x86)

AMI ID

ami-005f9685cb30f234b

Verified provider

Instance type

Instance type

t2.micro

Family: t2 1 vCPU 1 GiB Memory

On-Demand Windows pricing: 0.0162 USD per Hour

On-Demand SUSE pricing: 0.0116 USD per Hour

On-Demand RHEL pricing: 0.0716 USD per Hour

On-Demand Linux pricing: 0.0116 USD per Hour

Free tier eligible

Compare instance types

Summary

Number of instances

1

Software Image (AMI)

Amazon Linux 2 Kernel 5.10 AMI...read more

ami-005f9685cb30f234b

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

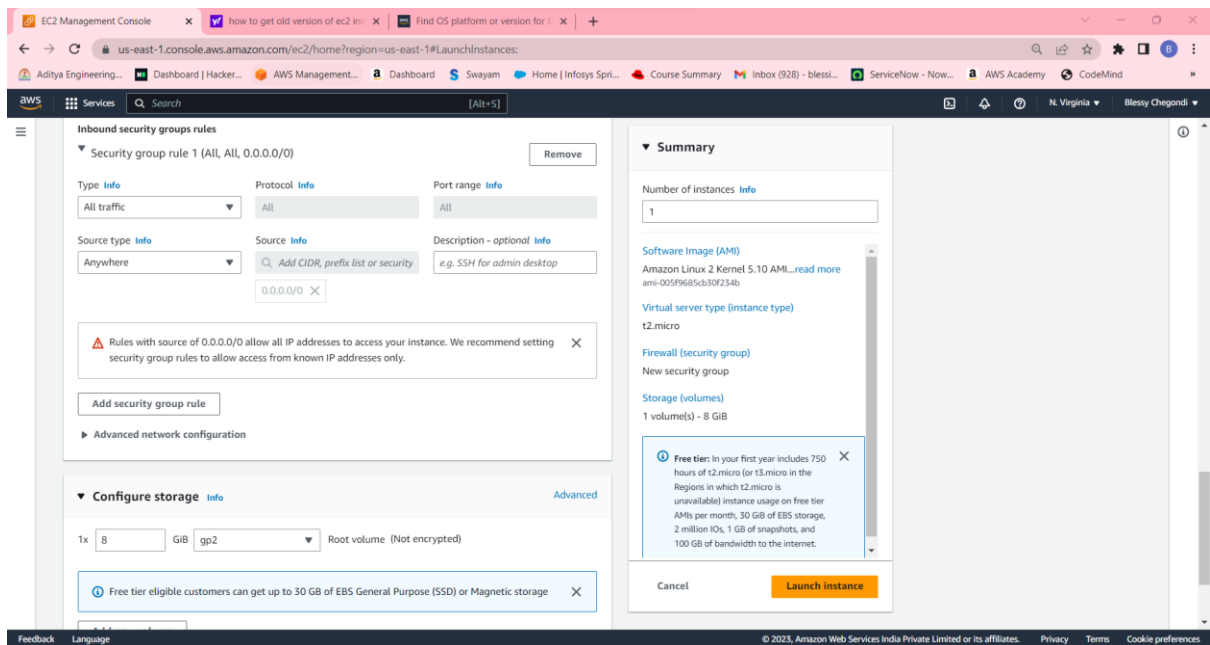
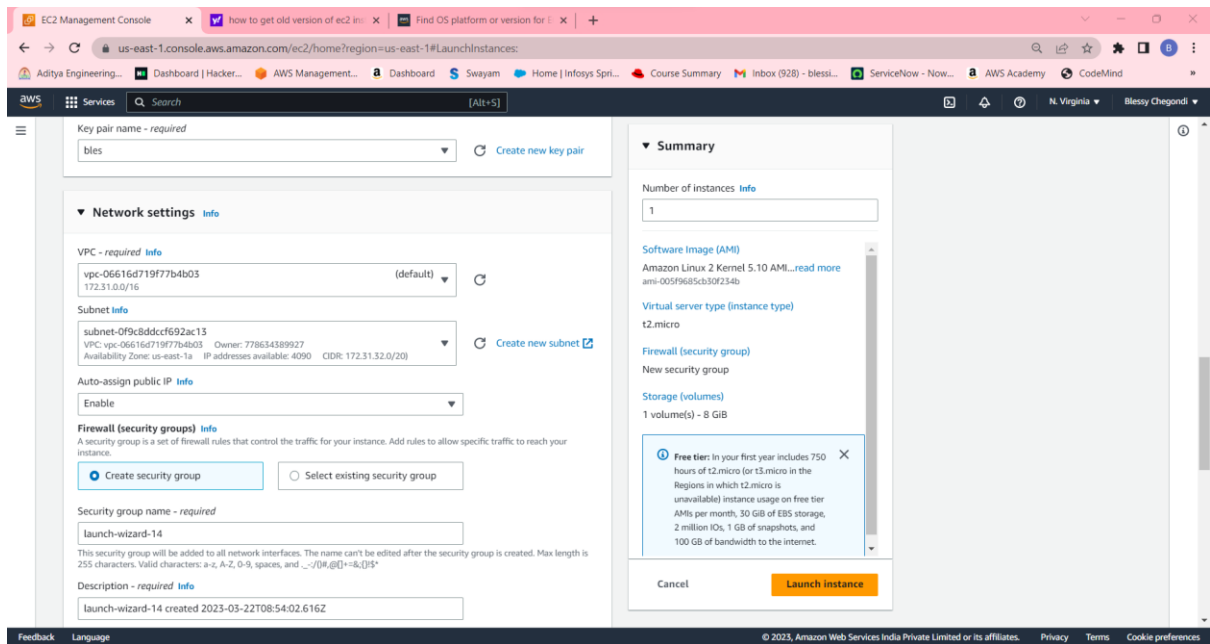
Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

CancelLaunch instance

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EC2 Management Console

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

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EC2 > Instances > Launch an instance

Success
Successfully initiated launch of instance (i-0d6dc1b22eb667022)

Launch log

Initializing requests	Succeeded
Creating security groups	Succeeded
Creating security group rules	Succeeded
Launch initiation	Succeeded

Next Steps

Create billing and free tier usage alerts

To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.

Create billing alerts

Connect to your instance

Once your instance is running, log into it from your local computer.

Connect to instance

Learn more

Connect an RDS database

Configure the connection between an EC2 instance and a database to allow traffic flow between them.

Connect an RDS database

Create a new RDS database Learn more

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Instances | EC2 Management Console

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:instanceState=running

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Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

Instance state = running X Clear filters

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4
<input checked="" type="checkbox"/>	rds connect	i-0d6dc1b22eb667022	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	ec2-3-85-186-78.comp...	3.85.186.78

Instance: i-0d6dc1b22eb667022 (rds connect)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID	i-0d6dc1b22eb667022 (rds connect)	Public IPv4 address	3.85.186.78 open address	Private IPv4 addresses	172.31.44.224
IPv6 address	-	Instance state	Running	Public IPv4 DNS	ec2-3-85-186-78.compute-1.amazonaws.com open address
Hostname type	IP name: ip-172-31-44-224.ec2.internal	Private IP DNS name (IPv4 only)	ip-172-31-44-224.ec2.internal	Elastic IP addresses	-
Answer private resource DNS name	IPv4 (A)	Instance type	t2.micro	AWS Compute Optimizer finding	Opt-in to AWS Compute Optimizer for recommendations. Learn more
Auto-assigned IP address	3.85.186.78 [Public IP]	VPC ID	vpc-06616d719f77b4b03		

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Instances | EC2 Management Co...

RDS Management Console

us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#database-id=database-2&is-cluster=false

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Recommendations 1

Certificate update

RDS > Databases > database-2

database-2

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

Create RDS Proxy

Summary

DB identifier database-2

CPU 3.64%

Status Available

Class db.t3.m

Role Instance

Current activity 0 Connections

Engine MySQL Community

Region us-east

Connectivity & security

Monitoring

Logs & events

Configuration

Maintenance & backups

Tags

Connectivity & security

Endpoint & port

Endpoint database-2.c7asatdaf8ln.us-east-1.rds.amazonaws.com

Port 3306

Networking

Availability Zone us-east-1a

VPC vpc-06616d719f77b4b03

Subnet group default-vpc-06616d719f77b4b03

Security

VPC security groups default (sg-053cbe9391525662) Active

Publicly accessible No

Certificate authority info

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Instances | EC2 Management Co...

RDS Management Console

us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#setup-ec2-connection&id=database-2

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Services Search [Alt+S]

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RDS > Databases > Set up EC2 connection

Set up EC2 connection info

Step 1

Set up EC2 connection

Step 2

Review and confirm

Select EC2 instance

Database database-2

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-0d6dc1b22eb667022 rds-connect us-east-1a

Create EC2 instance

Cancel Continue

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Instances | EC2 Management Console

RDS Management Console

us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#setup-ec2-connectionid=database-2

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Services Search [Alt+S]

N. Virginia Blessy Chegondi

RDS > Databases > Set up EC2 connection

Step 1
Set up EC2 connection

Step 2
Review and confirm

Review and confirm

Connection summary info

You are setting up a connection between RDS database **database-2** and EC2 instance **i-0d6dc1b22eb667022**.

To set up a connection between the database and the EC2 instance, VPC security group **ec2-rds-2** is added to the database, and VPC security group **ec2-rds-2** is added to the EC2 instance.

VPC: vpc-06616d719f77b4b05 (-)

Security group: **rds-ec2-2** (connection rule)

RDS
database-2
Port: 3306

Security group: **ec2-rds-2** (connection rule)

EC2
i-0d6dc1b22eb667022

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

Changes to RDS database: database-2

Attribute	Current value	New value
-----------	---------------	-----------

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Instances | EC2 Management Console

RDS Management Console

us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#setup-ec2-connectionid=database-2

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Services Search [Alt+S]

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RDS > Databases > Set up EC2 connection

Step 1
Set up EC2 connection

Step 2
Review and confirm

Review and confirm

Connection summary info

You are setting up a connection between RDS database **database-2** and EC2 instance **i-0d6dc1b22eb667022**.

To set up a connection between the database and the EC2 instance, VPC security group **ec2-rds-2** is added to the database, and VPC security group **ec2-rds-2** is added to the EC2 instance.

VPC: vpc-06616d719f77b4b05 (-)

Security group: **rds-ec2-2** (connection rule)

RDS
database-2
Port: 3306

Security group: **ec2-rds-2** (connection rule)

EC2
i-0d6dc1b22eb667022

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

Changes to RDS database: database-2

Attribute	Current value	New value
Security group	default	default, rds-ec2-2

Changes to EC2 instance: i-0d6dc1b22eb667022

Attribute	Current value	New value
Security group	launch-wizard-14	launch-wizard-14, ec2-rds-2

Cancel

Previous

Confirm and set up

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```
Select root@ip-172-31-44-224/home/ec2-user
Run "sudo yum update" to apply all updates.
[root@ip-172-31-44-224 ~]# sudo su
[ec2-user@ip-172-31-44-224 ~]$ sudo su
[ec2-user@ip-172-31-44-224 ~]$ yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.7 kB 00:00:00
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.amzn2.0.1 will be an update
--> Package python3.x86_64 0:3.7.16-1.amzn2.0.1 will be an update
--> 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:
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
```

```
Select root@ip-172-31-44-224/home/ec2-user

Transaction Summary
Install 1 Package
Upgrade 10 Packages

Total download size: 54 M
Downloading packages:
Delta RPMs disabled because /usr/bin/applydeltarpm not installed.
(1/11): libxml2-python-2.9.1-6.amzn2.5.7.x86_64.rpm | 246 kB 00:00:00
(2/11): libxml2-2.9.1-6.amzn2.5.7.x86_64.rpm | 661 kB 00:00:00
(3/11): mtr-0.92-2.amzn2.0.1.x86_64.rpm | 89 kB 00:00:00
(4/11): python3-3.7.16-1.amzn2.0.2.x86_64.rpm | 72 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): vim-data-9.0.1367-1.amzn2.0.1.noarch.rpm | 79 kB 00:00:00
(7/11): vim-enhanced-9.0.1367-1.amzn2.0.1.x86_64.rpm | 1.6 MB 00:00:00
(8/11): vim-filesystem-9.0.1367-1.amzn2.0.1.noarch.rpm | 73 kB 00:00:00
(9/11): vim-minimal-9.0.1367-1.amzn2.0.1.x86_64.rpm | 742 kB 00:00:00
(10/11): kernel-5.10.173-154.642.amzn2.x86_64.rpm | 33 MB 00:00:01
(11/11): python3-libs-3.7.16-1.amzn2.0.2.x86_64.rpm | 9.8 MB 00:00:01
-----
Total | 42 MB/s | 54 MB 00:00:01
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Updating : 2:vim-data-9.0.1367-1.amzn2.0.1.noarch | 1/21
  Updating : python3-libs-3.7.16-1.amzn2.0.2.x86_64 | 2/21
  Updating : python3-3.7.16-1.amzn2.0.2.x86_64 | 3/21
  Updating : libxml2-2.9.1-6.amzn2.5.7.x86_64 | 4/21
  Updating : 2:vim-filesystem-9.0.1367-1.amzn2.0.1.noarch | 5/21
  Updating : 2:vim-common-9.0.1367-1.amzn2.0.1.x86_64 | 6/21
  Updating : 2:vim-enhanced-9.0.1367-1.amzn2.0.1.x86_64 | 7/21
  Updating : libxml2-python-2.9.1-6.amzn2.5.7.x86_64 | 8/21
  Updating : 2:vim-minimal-9.0.1367-1.amzn2.0.1.x86_64 | 9/21
  Updating : 2:mtr-0.92-2.amzn2.0.1.x86_64 | 10/21
  Installing : kernel-5.10.173-154.642.amzn2.x86_64 | 11/21
  Cleanup : python3-libs-3.7.16-1.amzn2.0.1.x86_64 | 12/21
  Cleanup : python3-3.7.16-1.amzn2.0.1.x86_64 | 13/21
  Cleanup : 2:vim-minimal-9.0.1314-1.amzn2.0.1.x86_64 | 14/21
  Cleanup : libxml2-python-2.9.1-6.amzn2.5.6.x86_64 | 15/21
  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
```

```
Select root@ip-172-31-44-224/home/ec2-user

Updating : libxml2-2.9.1-6.amzn2.5.7.x86_64 4/21
Updating : 2:vim-filesystem-9.0.1367-1.amzn2.0.1.noarch 5/21
Updating : 2:vim-common-9.0.1367-1.amzn2.0.1.x86_64 6/21
Updating : 2:vim-enhanced-9.0.1367-1.amzn2.0.1.x86_64 7/21
Updating : libxml2-python-2.9.1-6.amzn2.5.7.x86_64 8/21
Updating : 2:vim-minimal-9.0.1367-1.amzn2.0.1.x86_64 9/21
Updating : 2:tr-0.92-2.amzn2.0.1.x86_64 10/21
Installing : kernel-5.10.173-154.642.amzn2.x86_64 11/21
Cleanup : python3-libs-3.7.16-1.amzn2.0.1.x86_64 12/21
Cleanup : python3-3.7.16-1.amzn2.0.1.x86_64 13/21
Cleanup : 2:vim-minimal-9.0.1314-1.amzn2.0.1.x86_64 14/21
Cleanup : libxml2-python-2.9.1-6.amzn2.5.6.x86_64 15/21
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:tr-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:tr-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:tr-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!
```

```
[root@ip-172-31-44-224 ec2-user]# yum install mariadb
Loaded plugins: extra_suggestions, langpacks, priorities, update-notif
Resolving Dependencies
--> Running transaction check
--> Package mariadb.x86_64 1:5.5.68-1.amzn2 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package                               Arch                               Version                               Repository                               Size
=====
Installing:
mariadb                               x86_64                             1:5.5.68-1.amzn2                     amzn2-core                               8.8 M
=====

Transaction Summary
-----
Install 1 Package

Total download size: 8.8 M
Installed size: 40 M
Is this ok [y/d/N]: y
Downloading packages:
mariadb-5.5.68-1.amzn2.x86_64.rpm | 8.8 MB 00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : 1:mariadb-5.5.68-1.amzn2.x86_64 1/1
  Verifying : 1:mariadb-5.5.68-1.amzn2.x86_64 1/1

Installed:
  mariadb.x86_64 1:5.5.68-1.amzn2

Complete!
[root@ip-172-31-44-224 ec2-user]#
```

RDS > Databases > database-2

database-2

Modify Actions

Summary

DB identifier database-2	CPU 3.46%	Status Available	Class db.t3.micro
Role	Current activity	Engine MySQL Community	Region & AZ us-east-1a
Instance	Connections 0		

Connectivity & security

Monitoring

Logs & events

Configuration

Maintenance & backups

Tags

Connectivity & security

Endpoint & port	Networking	Security
Endpoint database-2.c7asatdafln.us-east-1.rds.amazonaws.com	Availability Zone us-east-1a	VPC security groups default (sg-053cbe9391525662) Active rds-ec2-2 (sg-0f7c74d17ffb31d29) Active
Port 3306	VPC vpc-06616d719f77b4b03	Publicly accessible No
	Subnet group default-vpc-06616d719f77b4b03	

```
[root@ip-172-31-44-224 ec2-user]# mysql -h database-2.c7asatdaf8ln.us-east-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 20
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)]>
```

```
MySQL [(none)]> SELECT CURRENT_TIMESTAMP;
+-----+
| CURRENT_TIMESTAMP |
+-----+
| 2023-03-22 09:26:27 |
+-----+
1 row in set (0.00 sec)

MySQL [(none)]>
```

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

```
MySQL [(none)]> USE kittu;
Database changed
MySQL [kittu]> CREATE TABLE kittutable (
    -> id INT NOT NULL AUTO_INCREMENT,
    -> name VARCHAR(50) NOT NULL,
    -> PRIMARY KEY(id)
    -> );
Query OK, 0 rows affected (0.05 sec)
```

```
MySQL [kittu]> SHOW TABLES;
+-----+
| Tables_in_kittu |
+-----+
| kittutable      |
+-----+
1 row in set (0.00 sec)
```

```
MySQL [kittu]> INSERT INTO kittutable (name) VALUES ('Aakash');
Query OK, 1 row affected (0.00 sec)

MySQL [kittu]> INSERT INTO kittutable (name) VALUES ('Vaishu');
Query OK, 1 row affected (0.00 sec)
```

```
MySQL [kittu]> SELECT * FROM kittutable;
```

```
+-----+-----+
```

```
| id | name |
```

```
+-----+-----+
```

```
| 1 | Aakash |
```

```
| 2 | Vaishu |
```

```
+-----+-----+
```

```
2 rows in set (0.00 sec)
```