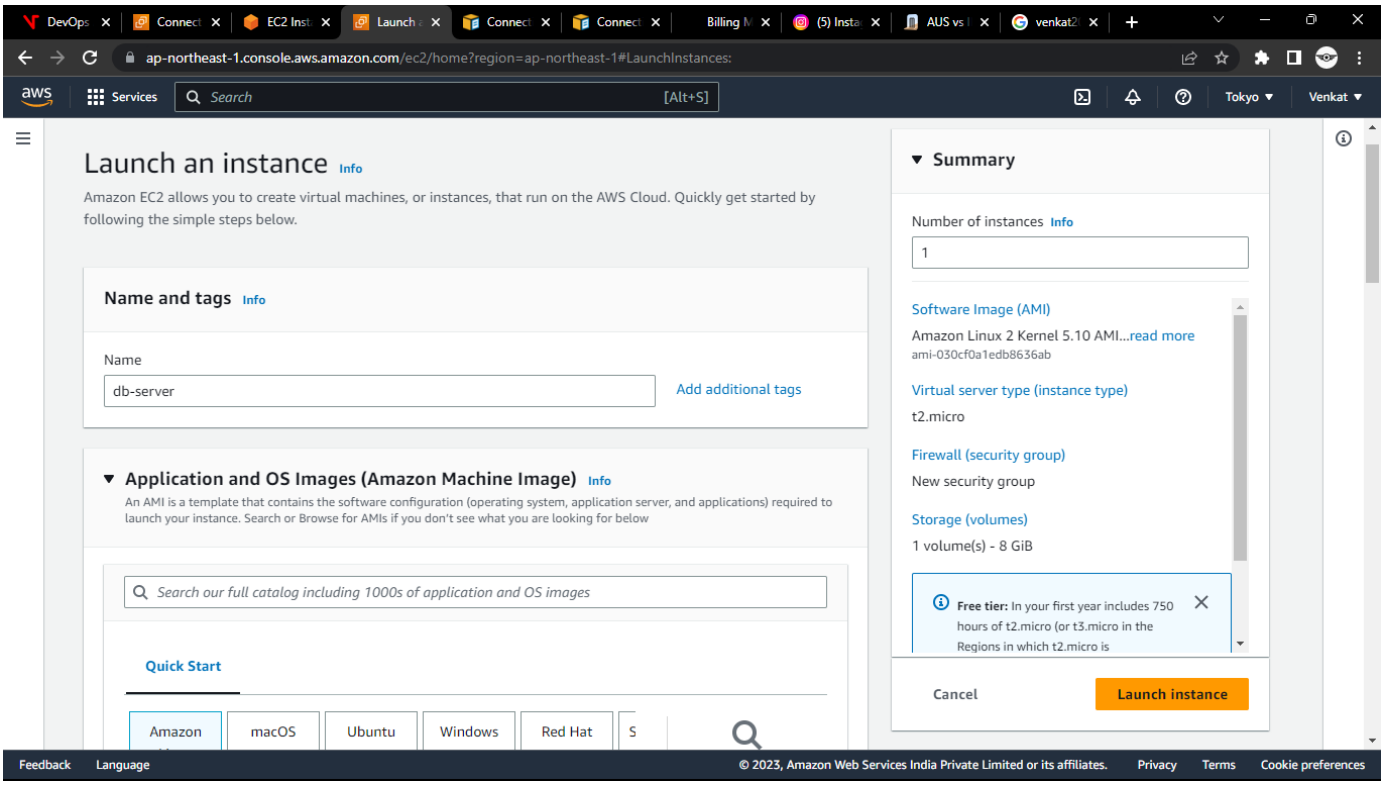
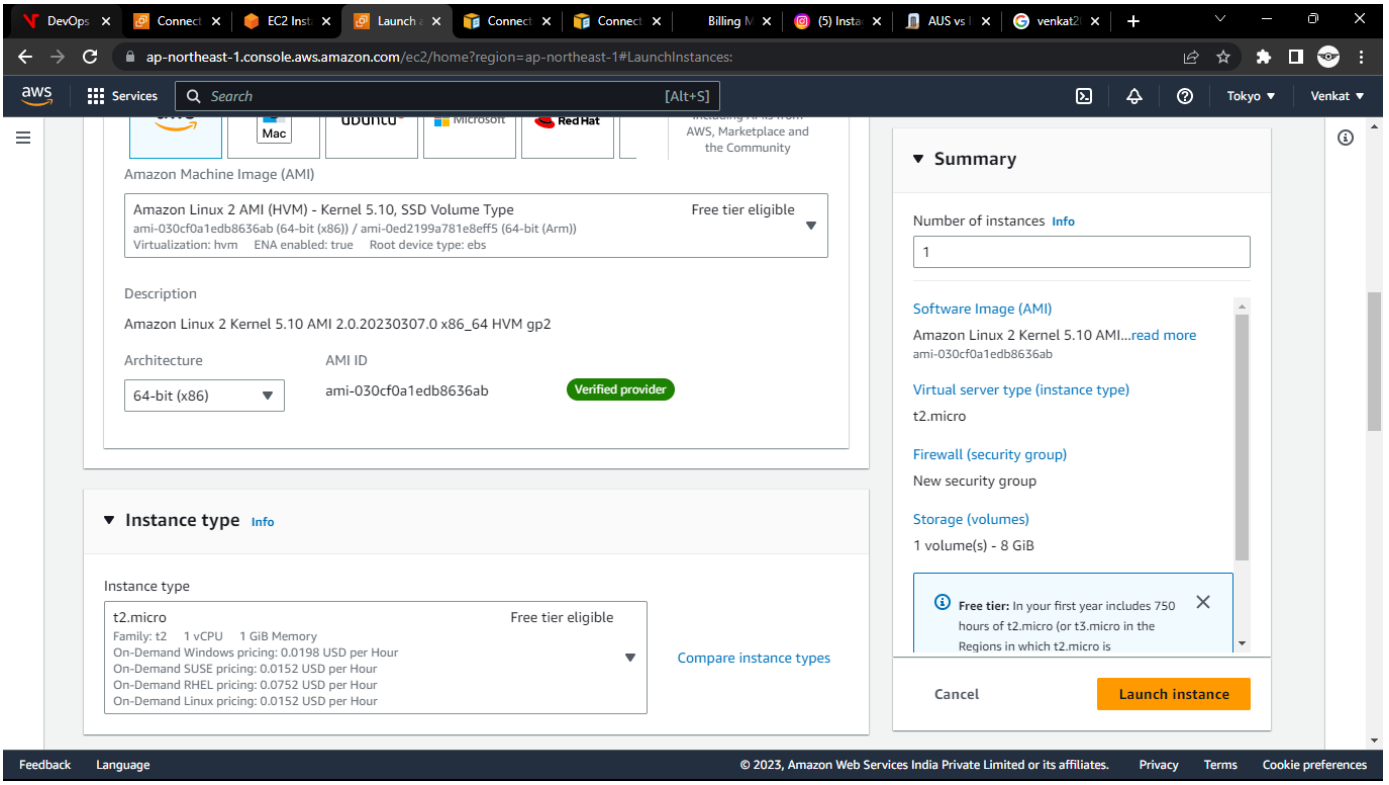
# Activity

-20A91A0519, Venkat Pattabhi Ganti

Q2)Create an RDS connection with EC2 instance and use it to create a SQL database and a sample table.




ap-northeast-1.console.aws.amazon.com/ec2/home?region=ap-northeast-1#LaunchInstances:
Services
Search
[Alt+S]
Tokyo
Venkat
Mac
AWS, Marketplace and the Community
Amazon Machine Image (AMI)
Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type
Free tier eligible
ami-030cf0a1edb8636ab (64-bit (x86)) / ami-0ed2199a781e8eff5 (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-030cf0a1edb8636ab
Verified provider
Instance type Info
Instance type
t2.micro
Free tier eligible
Family: t2 1 vCPU 1 GiB Memory
On-Demand Windows pricing: 0.0198 USD per Hour
On-Demand SUSE pricing: 0.0152 USD per Hour
On-Demand RHEL pricing: 0.0752 USD per Hour
On-Demand Linux pricing: 0.0152 USD per Hour
Compare instance types
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)
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
Cancel
Launch instance
Feedback
Language
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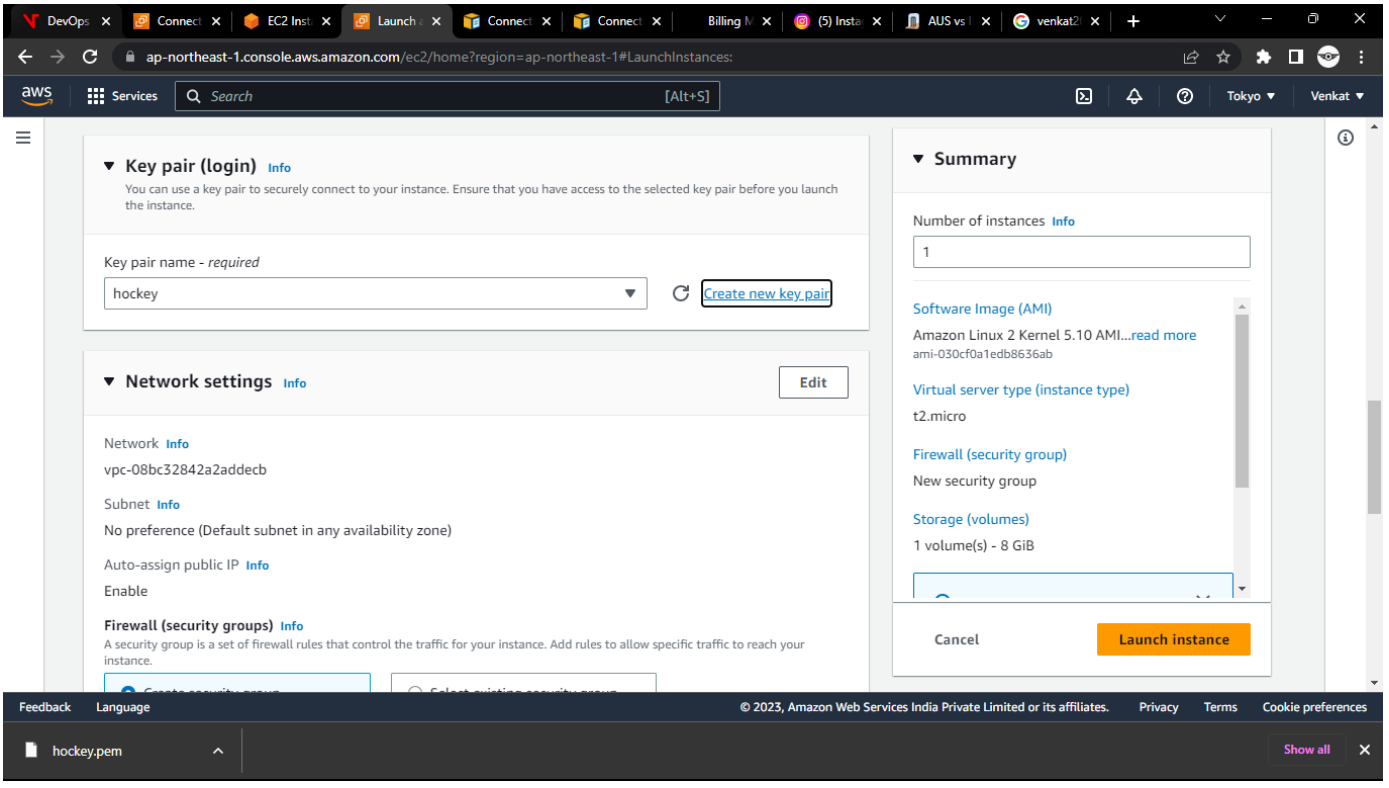
ap-northeast-1.console.aws.amazon.com/ec2/home?region=ap-northeast-1#LaunchInstances:
Services
Search
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Tokyo
Venkat
Key pair (login) Info
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
Key pair name - required
hockey
Create new key pair
Network settings Info
Edit
Network Info
vpc-08bc32842a2addecb
Subnet Info
No preference (Default subnet in any availability zone)
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.
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)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Cancel
Launch instance
Feedback
Language
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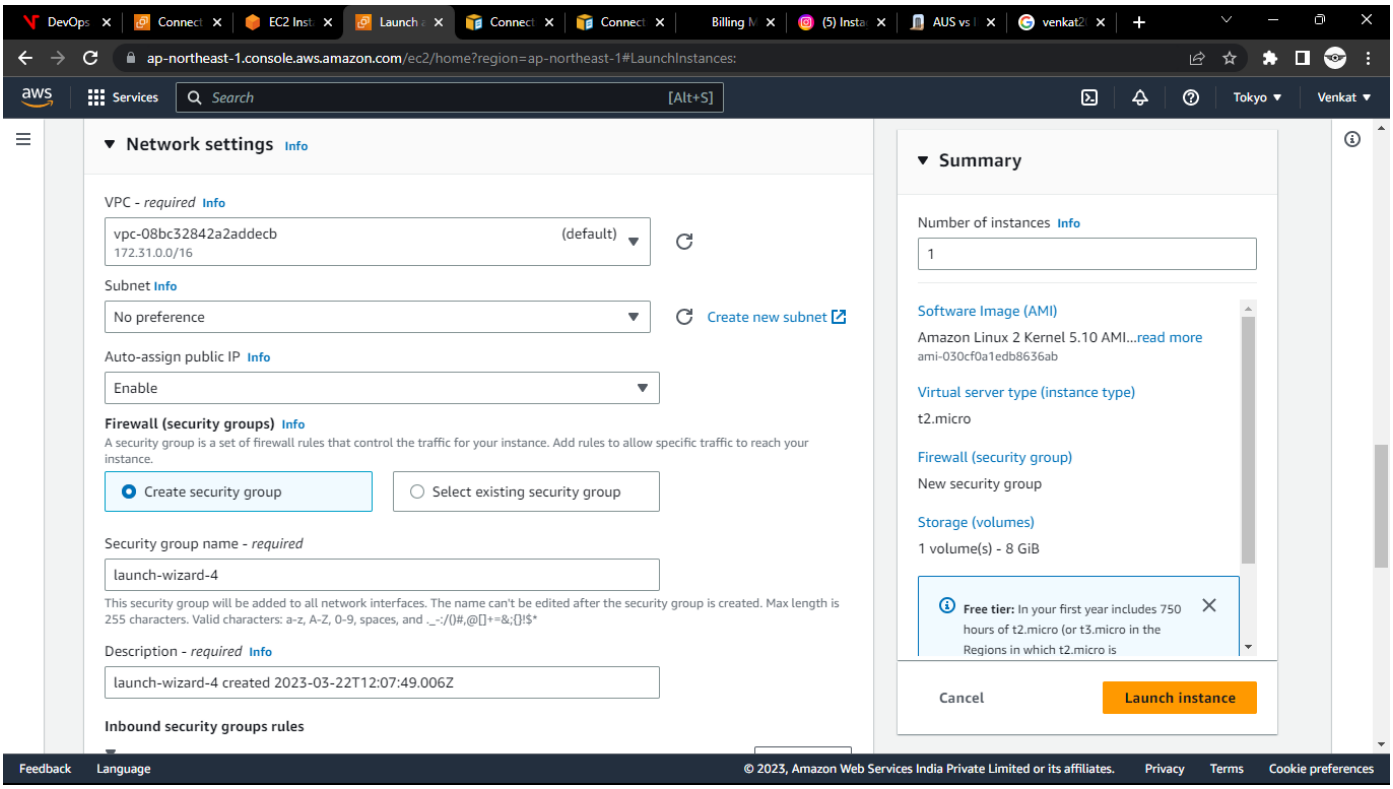
hockey.pem
Show all


ap-northeast-1.console.aws.amazon.com/ec2/home?region=ap-northeast-1#LaunchInstances:
Services
Search
[Alt+S]
Tokyo
Venkat
Network settings Info
VPC - required Info
vpc-08bc32842a2addecb (default)
172.31.0.0/16
Subnet Info
No preference
Create new subnet
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
launch-wizard-4
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-4 created 2023-03-22T12:07:49.006Z
Inbound security groups rules
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)
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
Cancel
Launch instance
Feedback
Language
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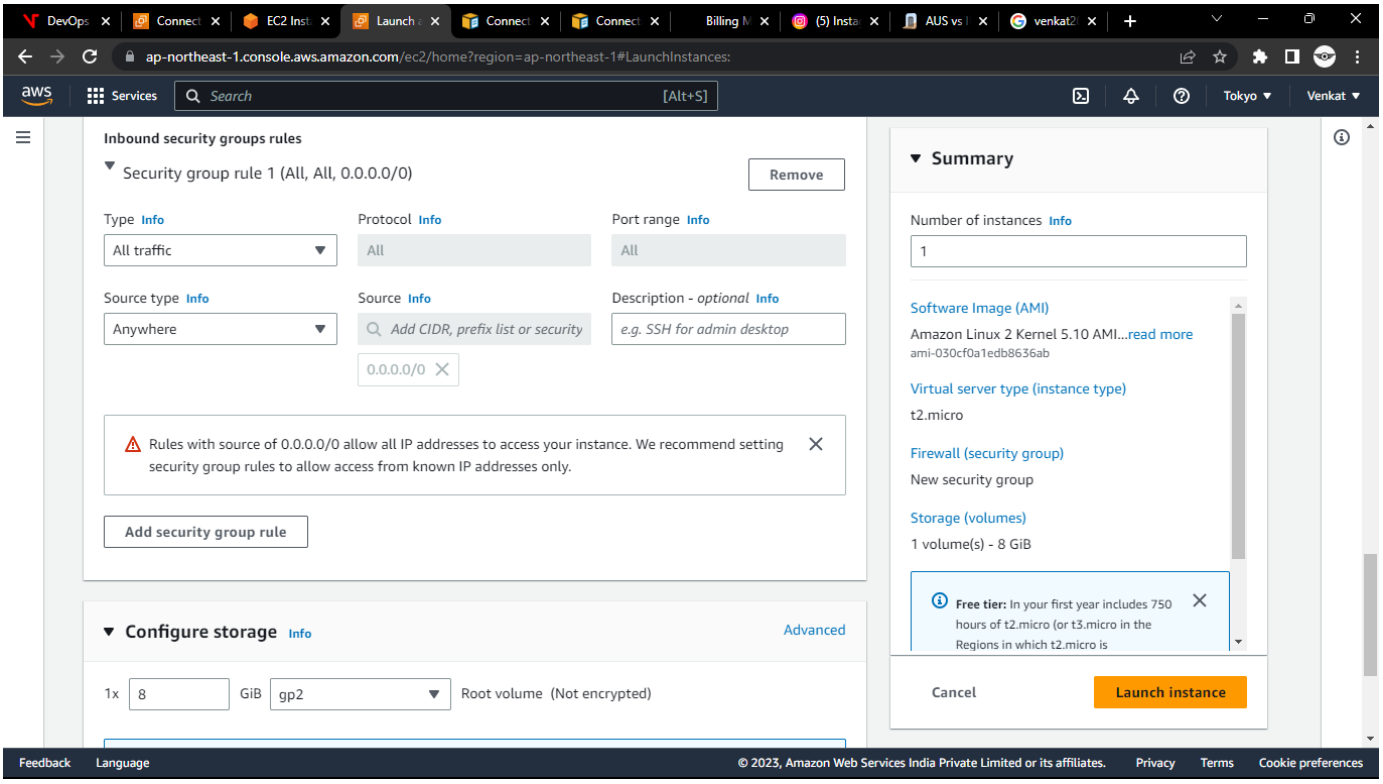
ap-northeast-1.console.aws.amazon.com/ec2/home?region=ap-northeast-1#LaunchInstances:
Services
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Inbound security groups rules
Security group rule 1 (All, All, 0.0.0.0/0)
Remove
Type Info
All traffic
Protocol Info
All
Port range Info
All
Source type Info
Anywhere
Source Info
Add CIDR, prefix list or security
0.0.0.0/0
Description - optional Info
e.g. SSH for admin desktop
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.
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)
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
Cancel
Launch instance
Feedback
Language
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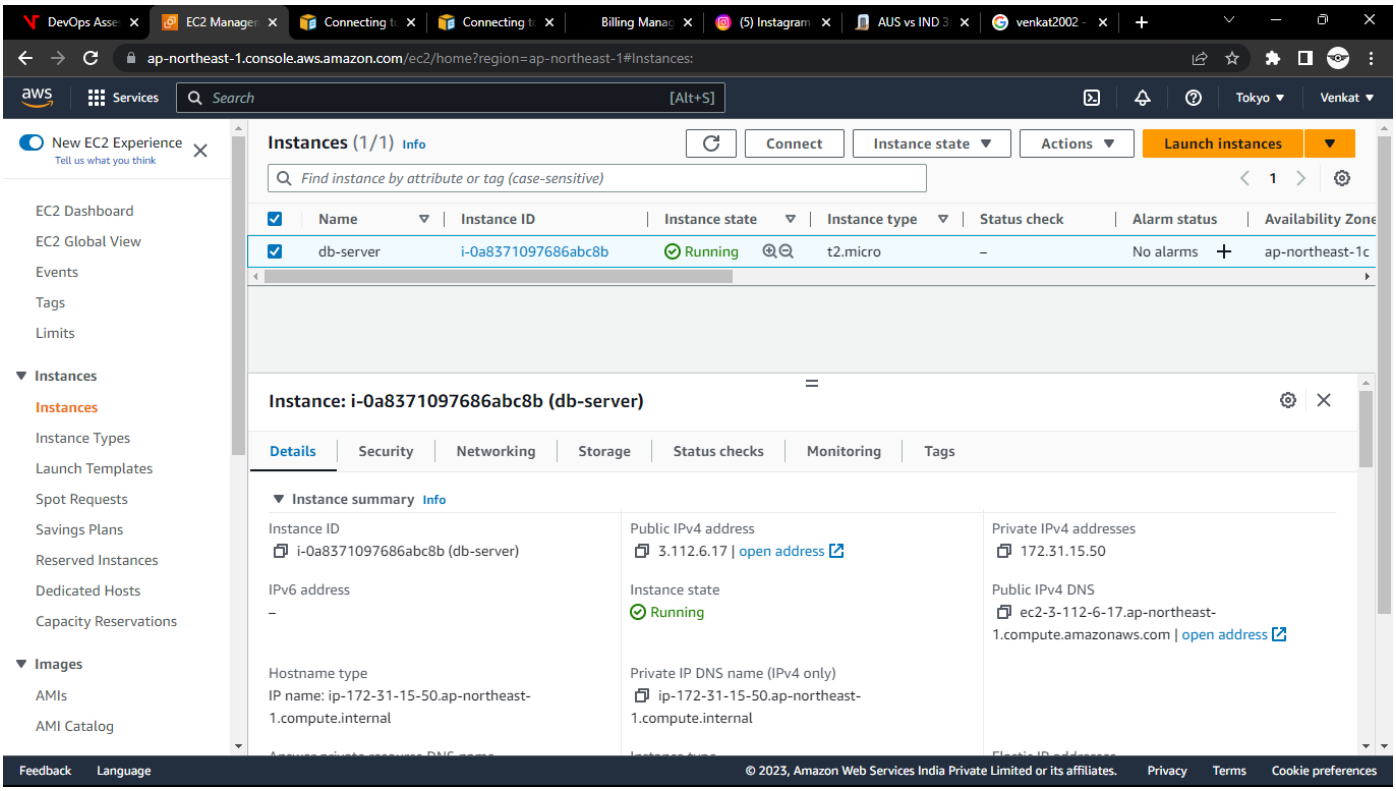
ap-northeast-1.console.aws.amazon.com/ec2/home?region=ap-northeast-1#Instances:
Services
Search
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New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
Find instance by attribute or tag (case-sensitive)
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
db-server
i-0a8371097686abc8b
Running
t2.micro
No alarms
ap-northeast-1c
Instance: i-0a8371097686abc8b (db-server)
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance summary Info
Instance ID
i-0a8371097686abc8b (db-server)
IPv6 address
Hostname type
IP name: ip-172-31-15-50.ap-northeast-1.compute.internal
Public IPv4 address
3.112.6.17 | open address
Instance state
Running
Private IP DNS name (IPv4 only)
ip-172-31-15-50.ap-northeast-1.compute.internal
Private IPv4 addresses
172.31.15.50
Public IPv4 DNS
ec2-3-112-6-17.ap-northeast-1.compute.amazonaws.com | open address
Feedback
Language
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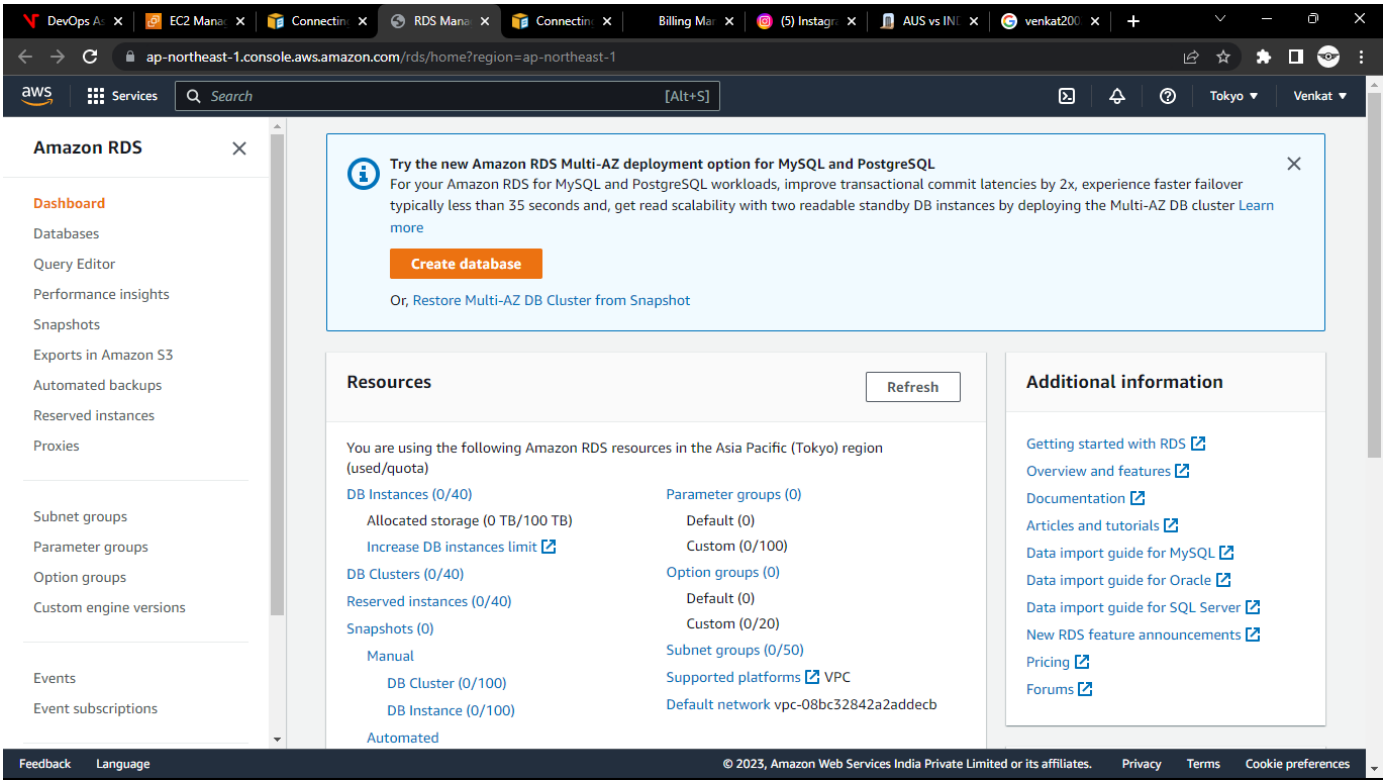
ap-northeast-1.console.aws.amazon.com/rds/home?region=ap-northeast-1
Services
Search
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Tokyo
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Amazon RDS
Dashboard
Databases
Query Editor
Performance insights
Snapshots
Exports in Amazon S3
Automated backups
Reserved instances
Proxies
Subnet groups
Parameter groups
Option groups
Custom engine versions
Events
Event subscriptions
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 Asia Pacific (Tokyo) 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
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-08bc32842a2addecb
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
Pricing
Forums
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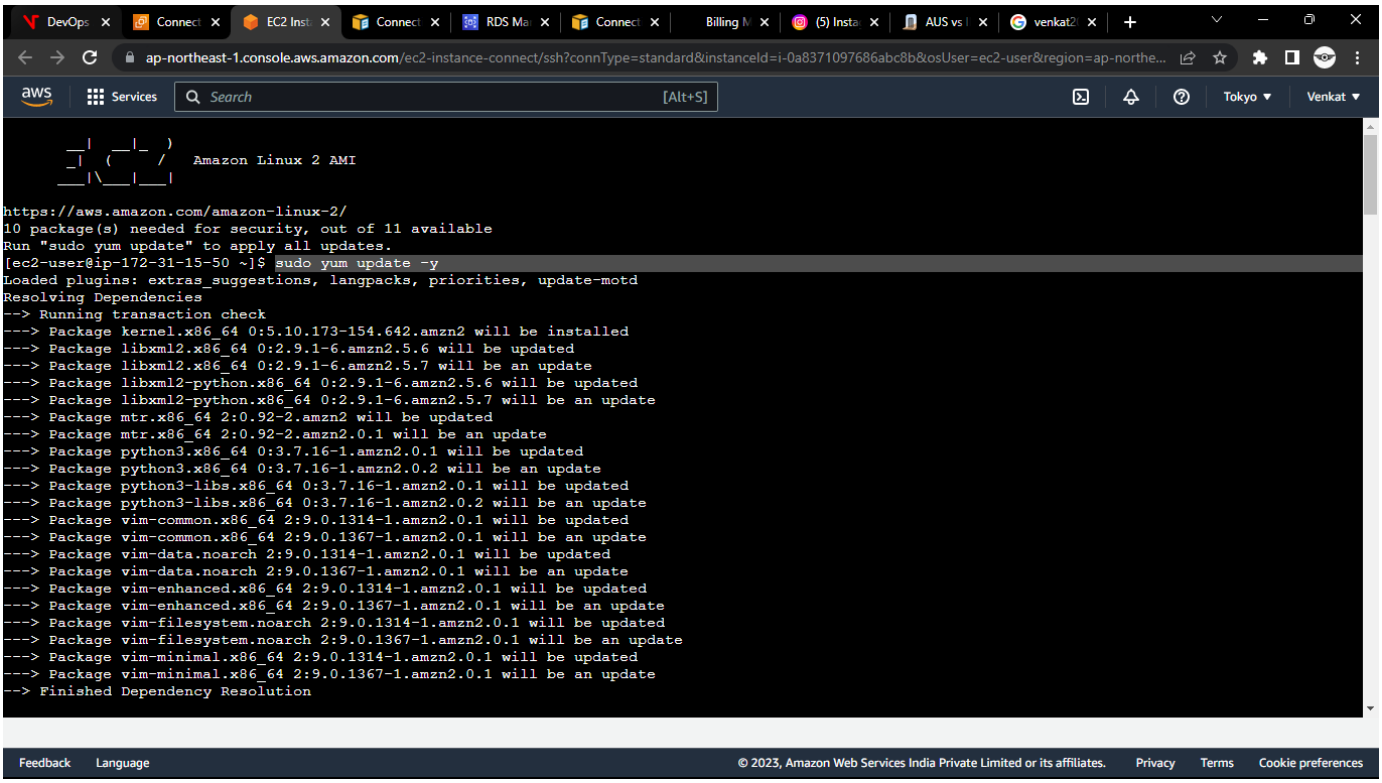
ap-northeast-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0a8371097686abc8b&osUser=ec2-user&region=ap-northe...
Services
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Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
10 package(s) needed for security, out of 11 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-15-50 ~]$ 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
Feedback
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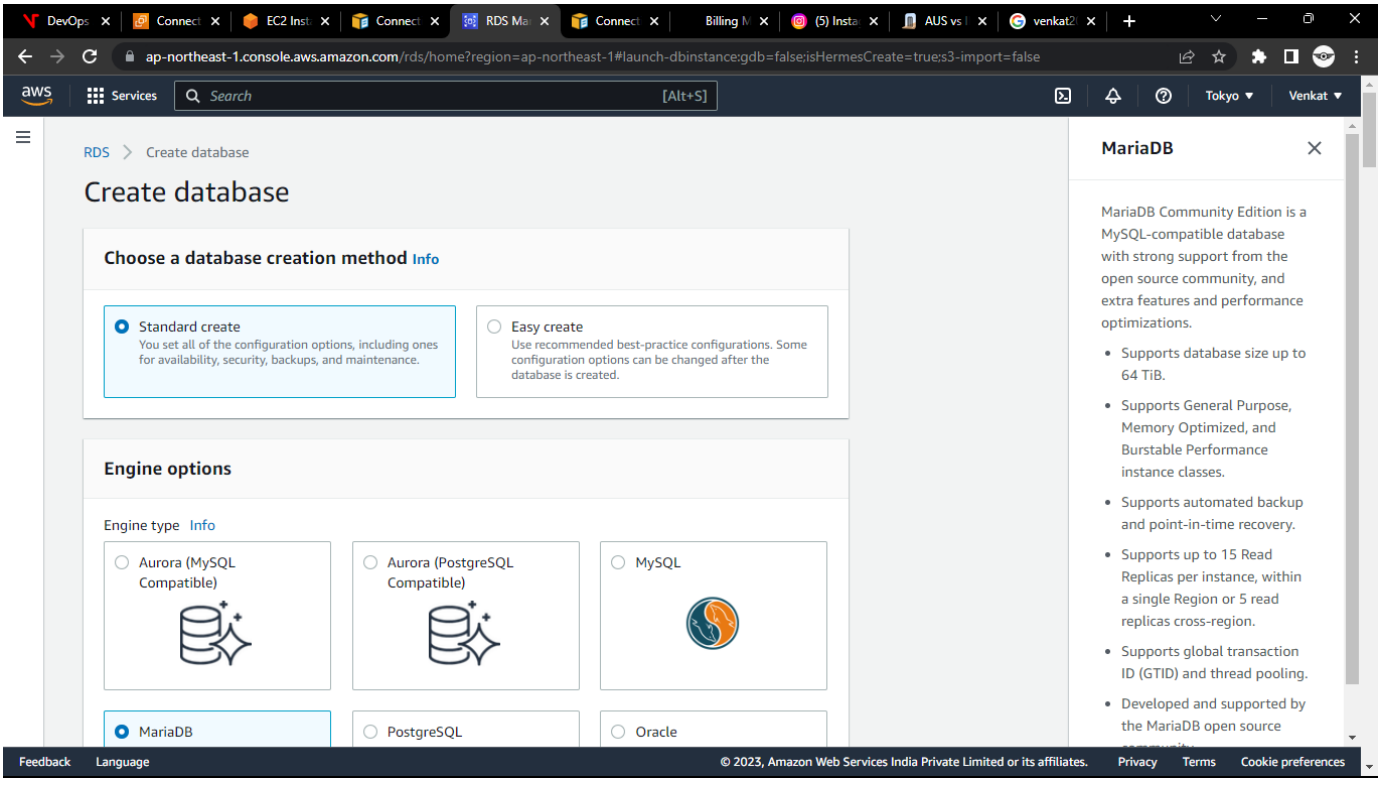
ap-northeast-1.console.aws.amazon.com/rds/home?region=ap-northeast-1#launch-dbinstance:gdb=false;isHermesCreate=true;s3-import=false
Services
Search
[Alt+S]
Tokyo
Venkat
RDS
Create database
Create database
Choose a database creation method Info
Standard create
You set all of the configuration options, 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
Aurora (MySQL Compatible)
Aurora (PostgreSQL Compatible)
MySQL
MariaDB
PostgreSQL
Oracle
MariaDB
MariaDB Community Edition is a MySQL-compatible database with strong support from the open source community, and extra features and performance optimizations.
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.
Supports global transaction ID (GTID) and thread pooling.
Developed and supported by the MariaDB open source
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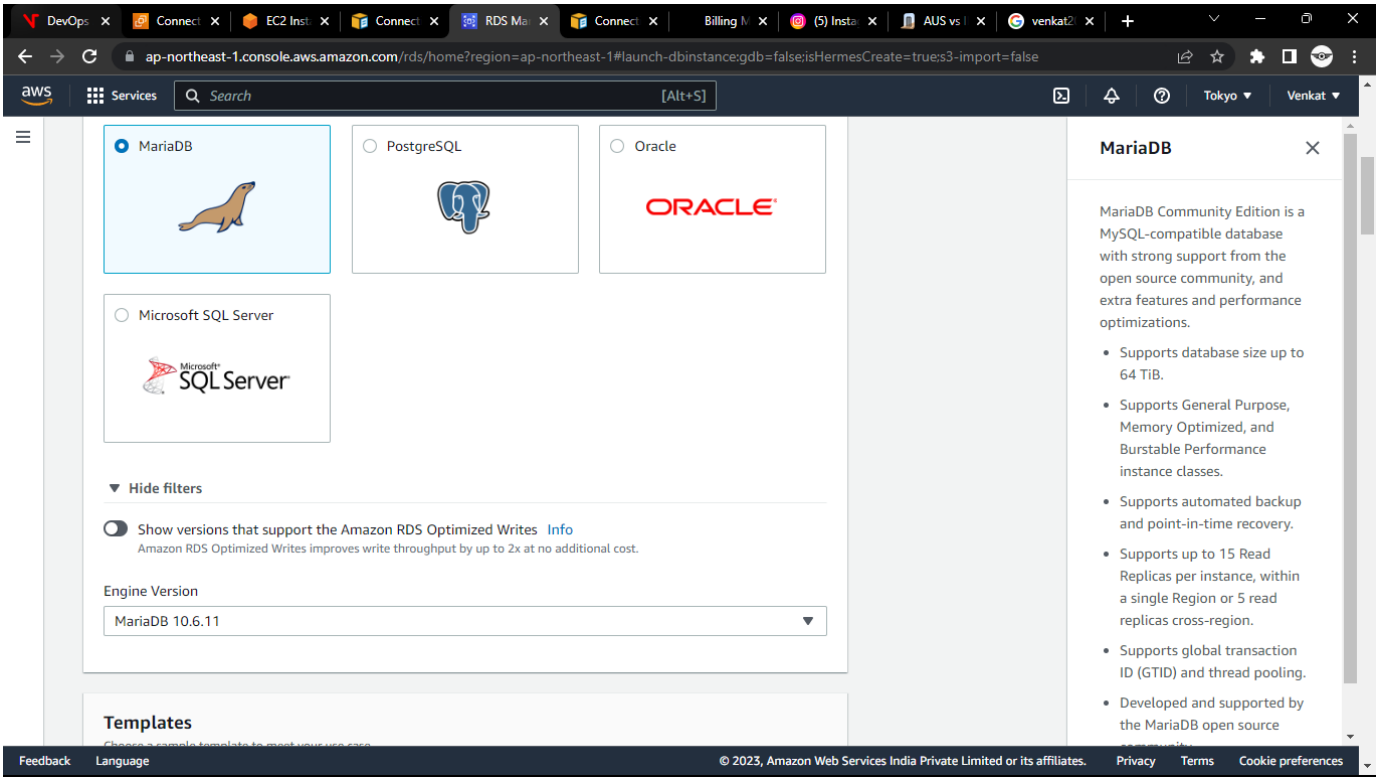
ap-northeast-1.console.aws.amazon.com/rds/home?region=ap-northeast-1#launch-dbinstance:gdb=false;isHermesCreate=true;s3-import=false
Services
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MariaDB
PostgreSQL
Oracle
Microsoft SQL Server
Hide filters
Show versions that support the Amazon RDS Optimized Writes Info
Amazon RDS Optimized Writes improves write throughput by up to 2x at no additional cost.
Engine Version
MariaDB 10.6.11
Templates
MariaDB
MariaDB Community Edition is a MySQL-compatible database with strong support from the open source community, and extra features and performance optimizations.
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.
Supports global transaction ID (GTID) and thread pooling.
Developed and supported by the MariaDB open source
Feedback
Language
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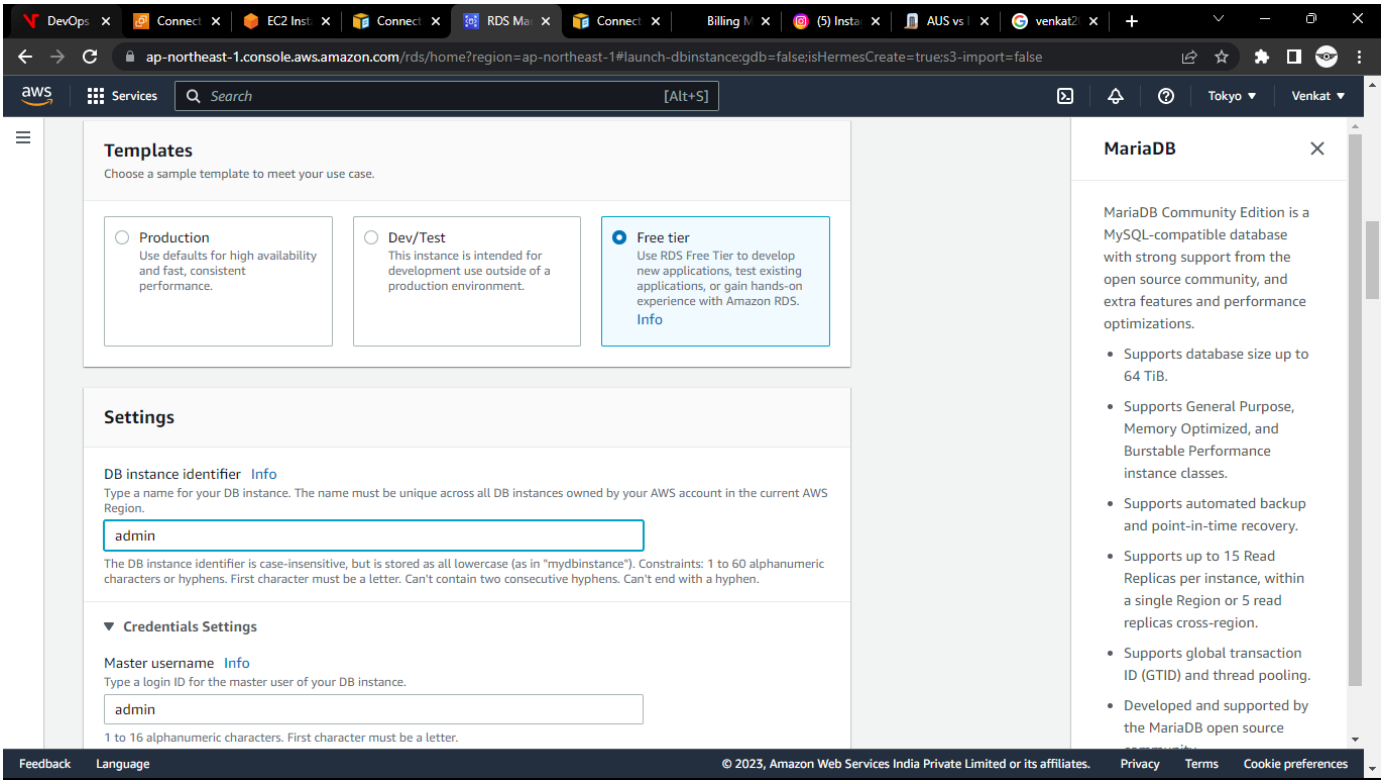
ap-northeast-1.console.aws.amazon.com/rds/home?region=ap-northeast-1#launch-dbinstance:gdb=false;isHermesCreate=true;s3-import=false
Services
Search
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Templates
Choose a sample template to meet your use case.
Production
Use defaults for high availability 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
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.
admin
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.
admin
1 to 16 alphanumeric characters. First character must be a letter.
MariaDB
MariaDB Community Edition is a MySQL-compatible database with strong support from the open source community, and extra features and performance optimizations.
Supports database size up to 64 TiB.
Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.
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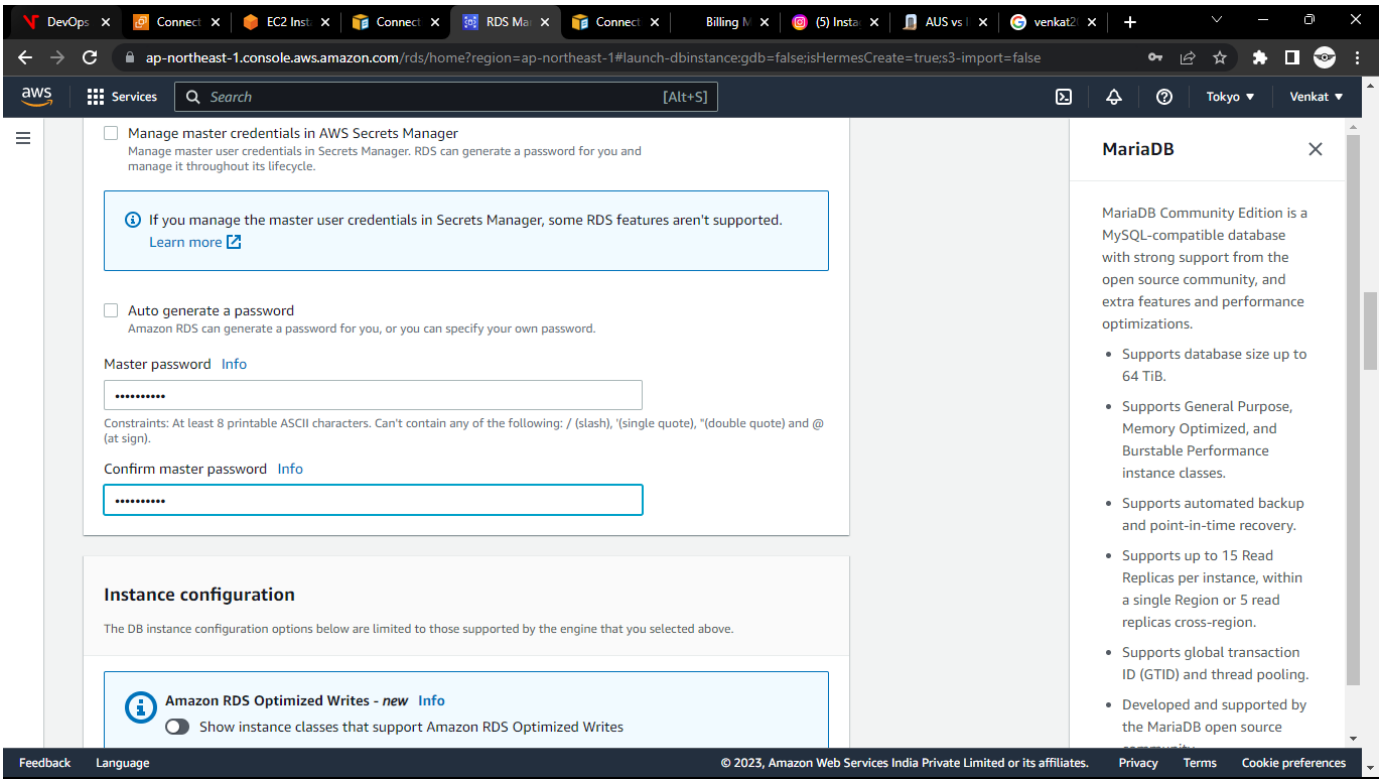
ap-northeast-1.console.aws.amazon.com/rds/home?region=ap-northeast-1#launch-dbinstance:gdb=false;isHermesCreate=true;s3-import=false
Services
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Manage master credentials in AWS Secrets Manager
Manage master user credentials in Secrets Manager. RDS can generate a password for you and manage it throughout its lifecycle.
If you manage the master user credentials in Secrets Manager, some RDS features aren't supported.
Learn more
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
Instance configuration
The DB instance configuration options below are limited to those supported by the engine that you selected above.
Amazon RDS Optimized Writes - new Info
Show instance classes that support Amazon RDS Optimized Writes
MariaDB
MariaDB Community Edition is a MySQL-compatible database with strong support from the open source community, and extra features and performance optimizations.
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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Developed and supported by the MariaDB open source
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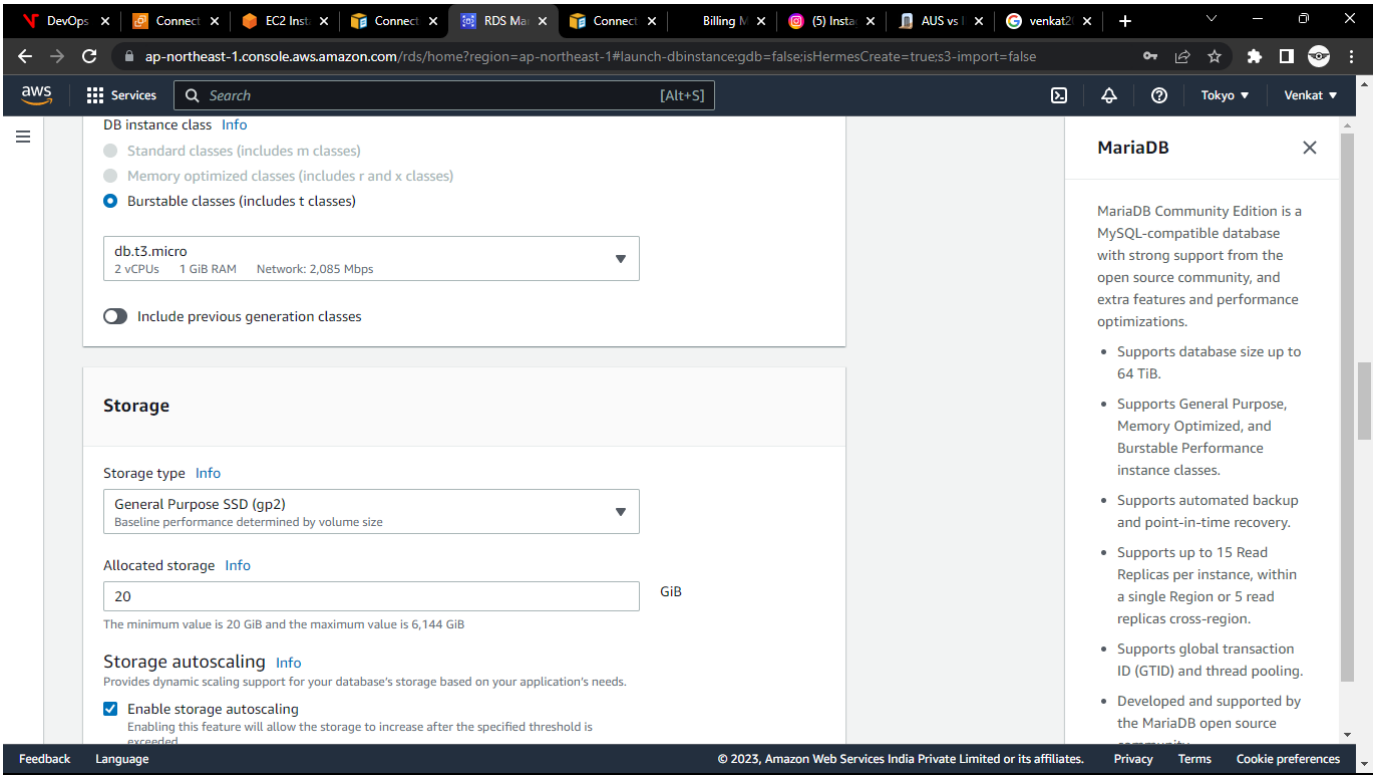
ap-northeast-1.console.aws.amazon.com/rds/home?region=ap-northeast-1#launch-dbinstance:gdb=false;isHermesCreate=true;s3-import=false
Services
Search
[Alt+S]
Tokyo
Venkat
DB instance class Info
Standard classes (includes m classes)
Memory optimized classes (includes r and x classes)
Burstable classes (includes t classes)
db.t3.micro
2 vCPUs 1 GiB RAM Network: 2,085 Mbps
Include previous generation classes
Storage
Storage type Info
General Purpose SSD (gp2)
Baseline performance determined by volume size
Allocated storage Info
20
GiB
The minimum value is 20 GiB and the maximum value is 6,144 GiB
Storage autoscaling Info
Provides dynamic scaling support for your database's storage based on your application's needs.
Enable storage autoscaling
Enabling this feature will allow the storage to increase after the specified threshold is exceeded
MariaDB
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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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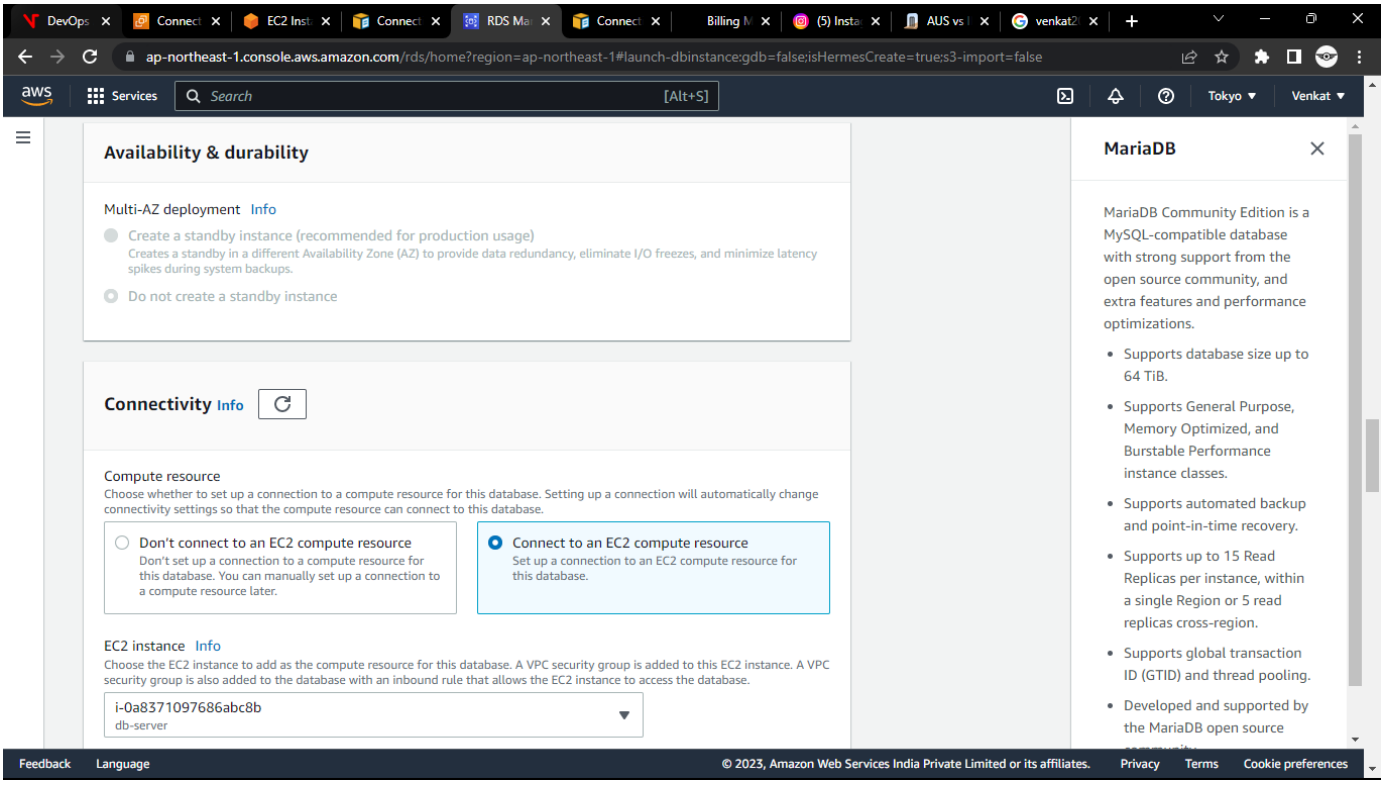
ap-northeast-1.console.aws.amazon.com/rds/home?region=ap-northeast-1#launch-dbinstance:gdb=false;isHermesCreate=true;s3-import=false
Services
Search
[Alt+S]
Tokyo
Venkat
Availability & durability
Multi-AZ deployment Info
Create a standby instance (recommended for production usage)
Creates a standby in a different Availability Zone (AZ) to provide data redundancy, eliminate I/O freezes, and minimize latency spikes during system backups.
Do not create a standby instance
Connectivity Info
Compute resource
Choose whether to set up a connection to a compute resource for this database. Setting up a connection will automatically change connectivity settings so that the compute resource can connect to this database.
Don't connect to an EC2 compute resource
Don't set up a connection to a compute resource for this database. You can manually set up a connection to a compute resource later.
Connect to an EC2 compute resource
Set up a connection to an EC2 compute resource for this database.
EC2 instance Info
Choose the EC2 instance to add as the compute resource for this database. A VPC security group is added to this EC2 instance. A VPC security group is also added to the database with an inbound rule that allows the EC2 instance to access the database.
i-0a8371097686abc8b
db-server
MariaDB
MariaDB Community Edition is a MySQL-compatible database with strong support from the open source community, and extra features and performance optimizations.
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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.
Supports global transaction ID (GTID) and thread pooling.
Developed and supported by the MariaDB open source
Feedback
Language
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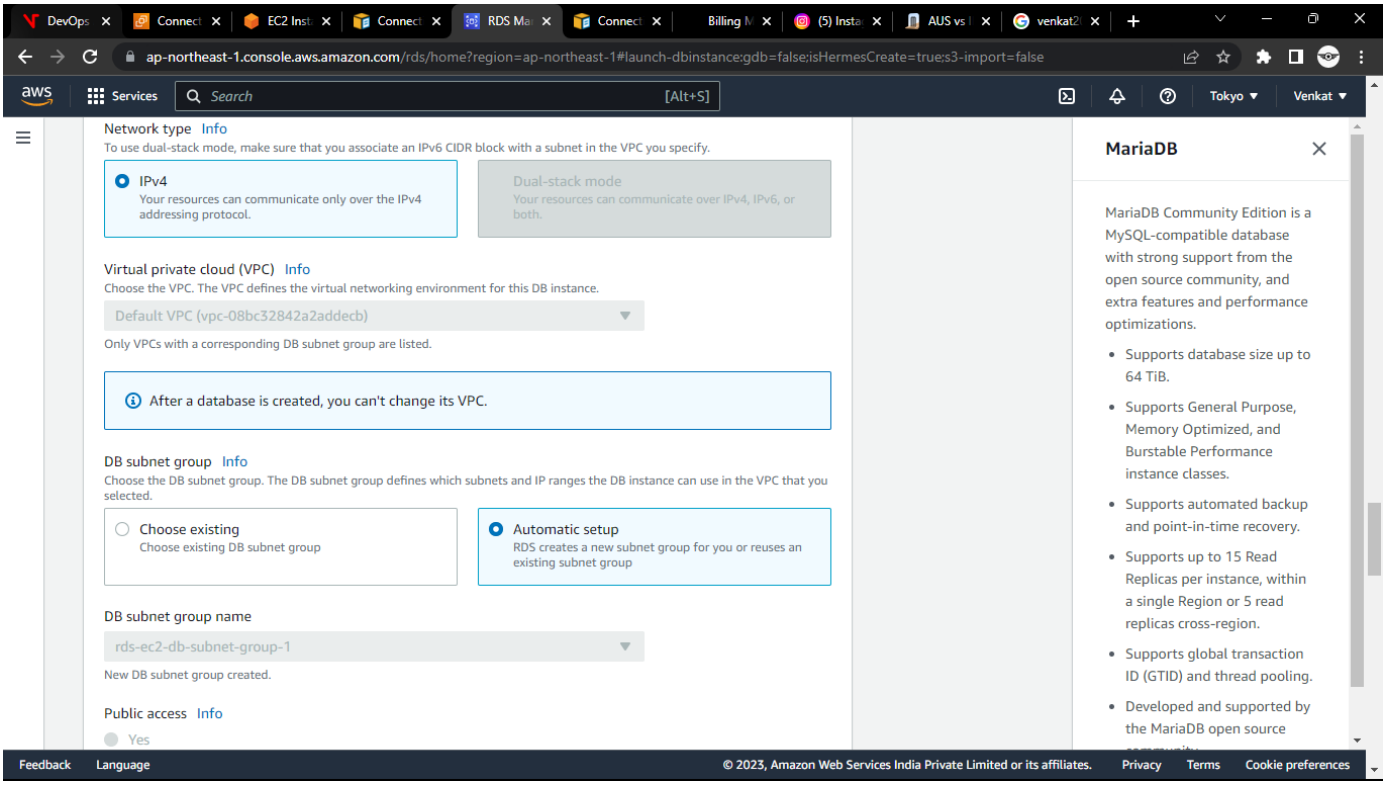
ap-northeast-1.console.aws.amazon.com/rds/home?region=ap-northeast-1#launch-dbinstance:gdb=false;isHermesCreate=true;s3-import=false
Services
Search
[Alt+S]
Tokyo
Venkat
Network type Info
To use dual-stack mode, make sure that you associate an IPv6 CIDR block with a subnet in the VPC you specify.
IPv4
Your resources can communicate only over the IPv4 addressing protocol.
Dual-stack mode
Your resources can communicate over IPv4, IPv6, or both.
Virtual private cloud (VPC) Info
Choose the VPC. The VPC defines the virtual networking environment for this DB instance.
Default VPC (vpc-08bc32842a2addecb)
Only VPCs with a corresponding DB subnet group are listed.
After a database is created, you can't change its VPC.
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.
Choose existing
Choose existing DB subnet group
Automatic setup
RDS creates a new subnet group for you or reuses an existing subnet group
DB subnet group name
rds-ec2-db-subnet-group-1
New DB subnet group created.
Public access Info
Yes
MariaDB
MariaDB Community Edition is a MySQL-compatible database with strong support from the open source community, and extra features and performance optimizations.
Supports database size up to 64 TiB.
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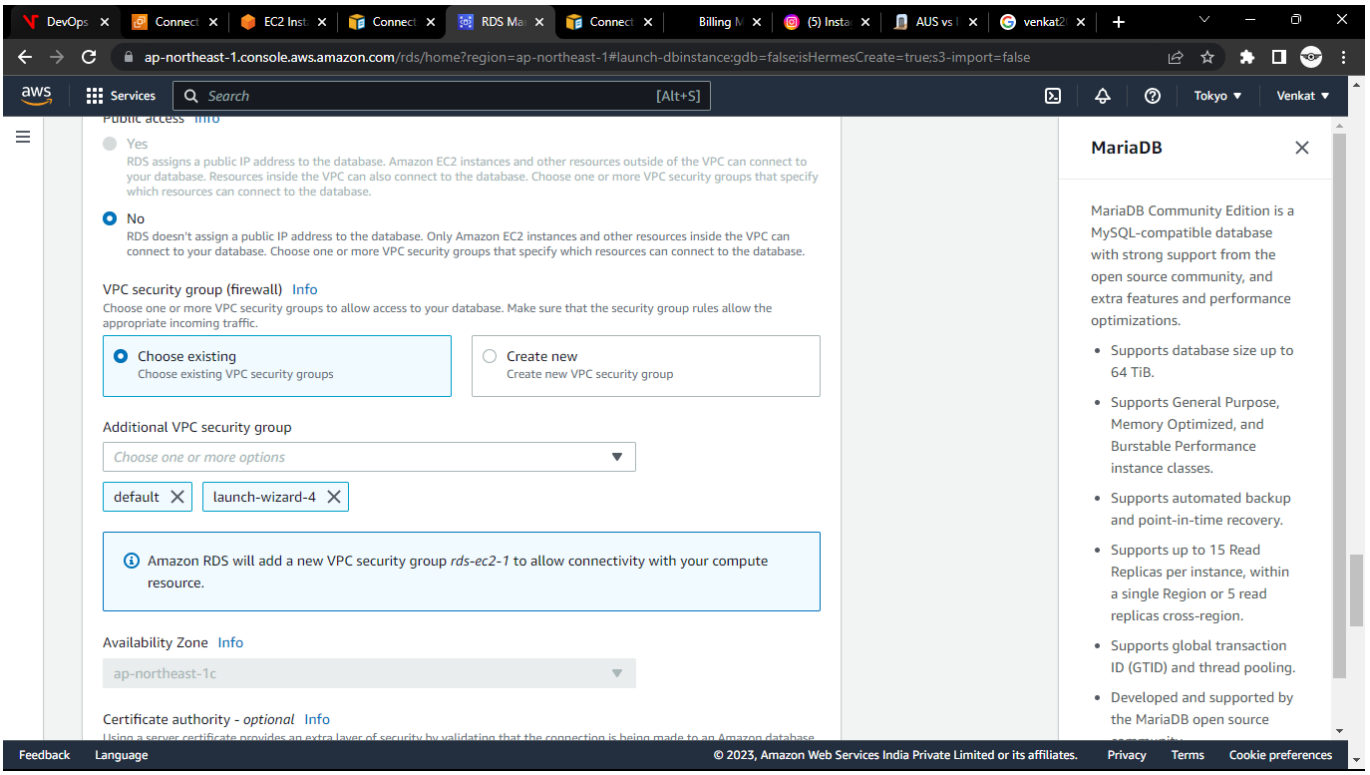
ap-northeast-1.console.aws.amazon.com/rds/home?region=ap-northeast-1#launch-dbinstance:gdb=false;isHermesCreate=true;s3-import=false
Services
Search
[Alt+S]
Tokyo
Venkat
Public access Info
Yes
RDS assigns a public IP address to the database. Amazon EC2 instances and other resources outside of the VPC 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
Additional VPC security group
Choose one or more options
default
launch-wizard-4
Amazon RDS will add a new VPC security group rds-ec2-1 to allow connectivity with your compute resource.
Availability Zone Info
ap-northeast-1c
Certificate authority - optional Info
MariaDB
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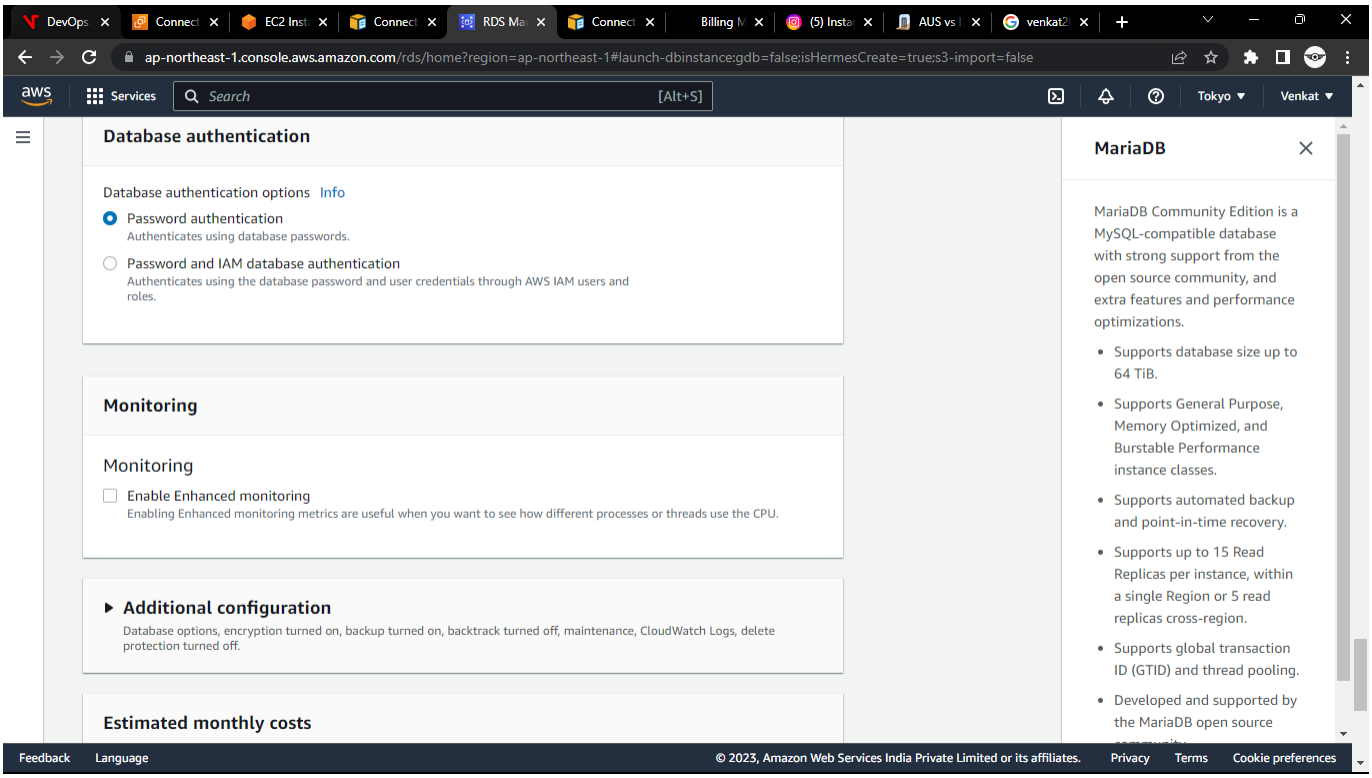
ap-northeast-1.console.aws.amazon.com/rds/home?region=ap-northeast-1#launch-dbinstance:gdb=false;isHermesCreate=true;s3-import=false
Services
Search
[Alt+S]
Tokyo
Venkat
Database authentication
Database authentication options Info
Password authentication
Authenticates using database passwords.
Password and IAM database authentication
Authenticates using the database password and user credentials through AWS IAM users and roles.
Monitoring
Monitoring
Enable Enhanced monitoring
Enabling Enhanced monitoring metrics are useful when you want to see how different processes or threads use the CPU.
Additional configuration
Database options, encryption turned on, backup turned on, backtrack turned off, maintenance, CloudWatch Logs, delete protection turned off.
Estimated monthly costs
MariaDB
MariaDB Community Edition is a MySQL-compatible database with strong support from the open source community, and extra features and performance optimizations.
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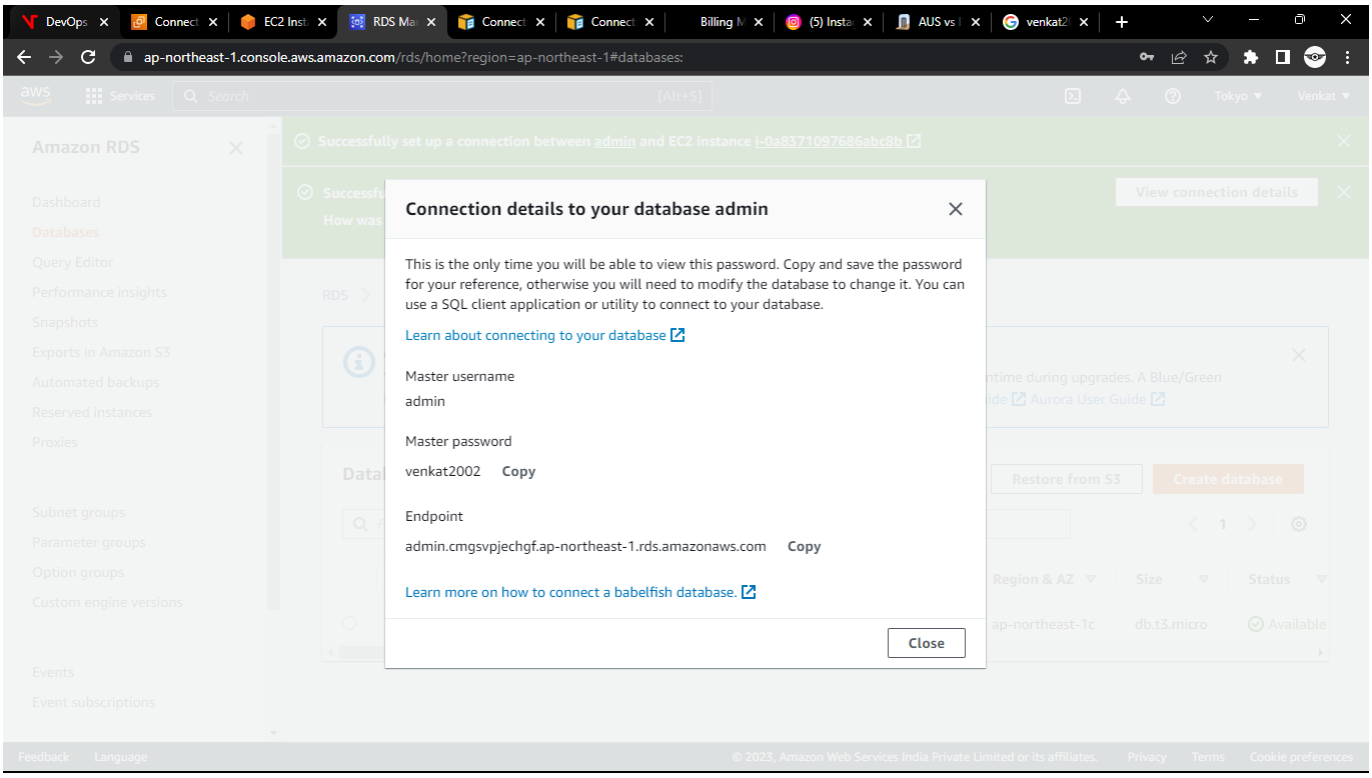
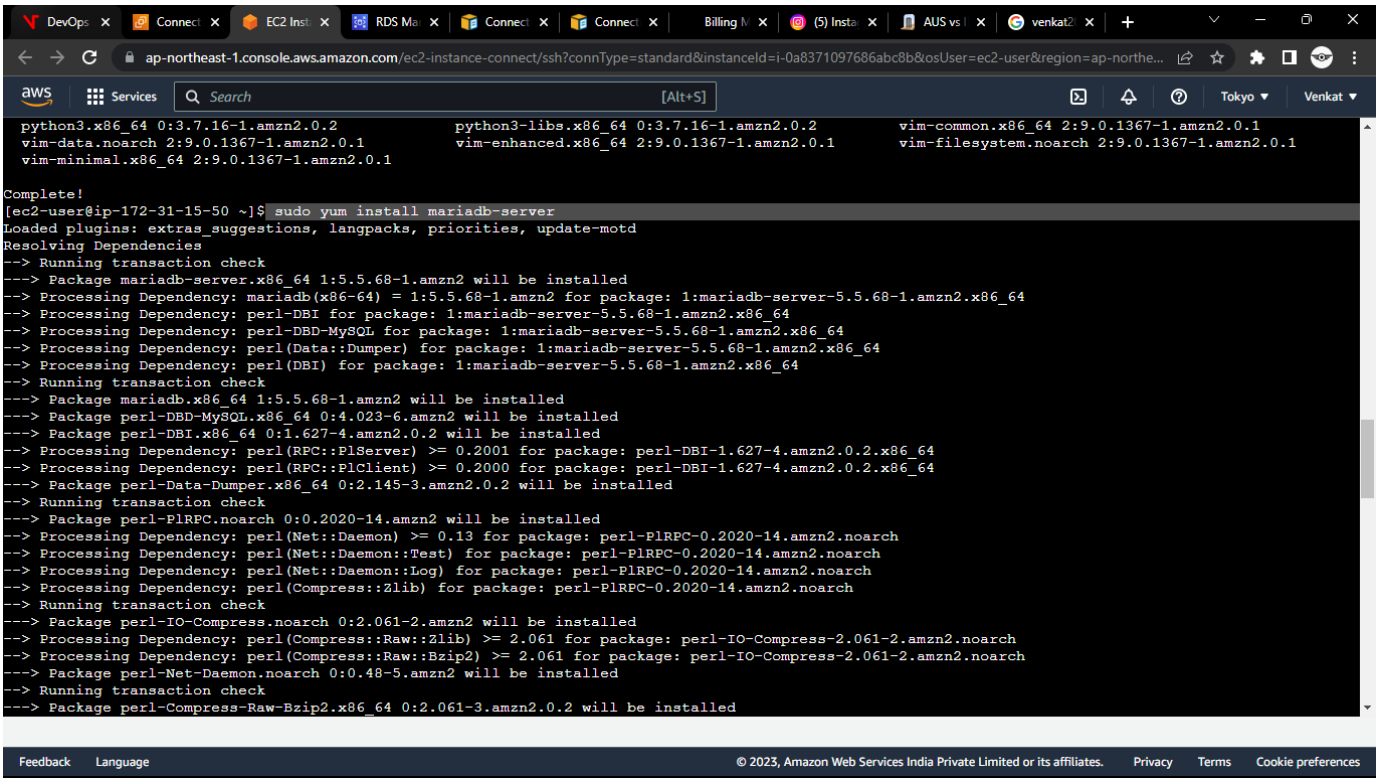
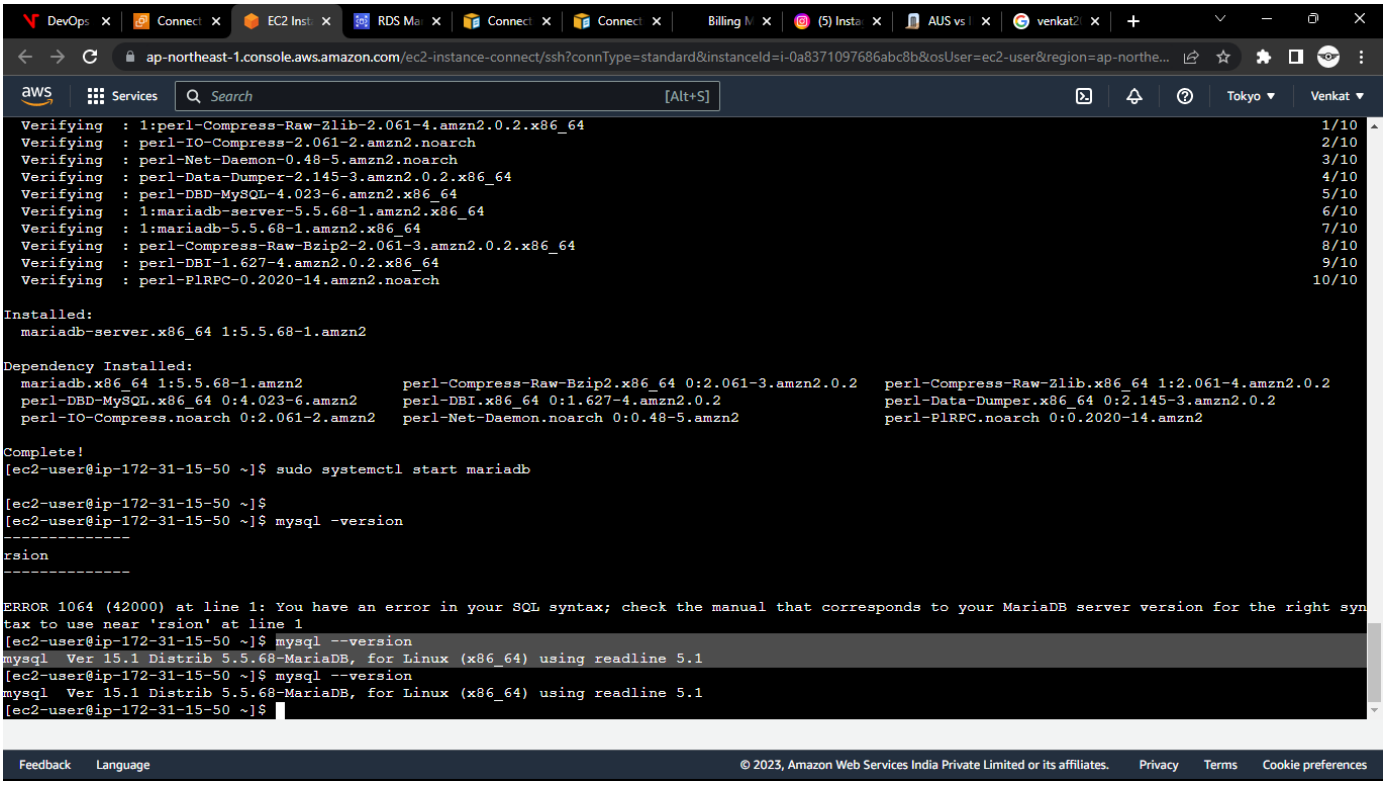

Connection details to your database admin
This is the only time you will be able to view this password. Copy and save the password for your reference, otherwise you will need to modify the database to change it. You can use a SQL client application or utility to connect to your database.
Learn about connecting to your database
Master username
admin
Master password
venkat2002 Copy
Endpoint
admin.cmgsvpjechgf.ap-northeast-1.rds.amazonaws.com Copy
Learn more on how to connect a babelfish database.
Close


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-172-31-15-50 ~]$ sudo yum install mariadb-server
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
---> Package mariadb-server.x86_64 1:5.5.68-1.amzn2 will be installed
--> Processing Dependency: mariadb(x86-64) = 1:5.5.68-1.amzn2 for package: 1:mariadb-server-5.5.68-1.amzn2.x86_64
--> Processing Dependency: perl-DBI for package: 1:mariadb-server-5.5.68-1.amzn2.x86_64
--> Processing Dependency: perl-DBD-MySQL for package: 1:mariadb-server-5.5.68-1.amzn2.x86_64
--> Processing Dependency: perl(Data::Dumper) for package: 1:mariadb-server-5.5.68-1.amzn2.x86_64
--> Processing Dependency: perl(DBI) for package: 1:mariadb-server-5.5.68-1.amzn2.x86_64
--> Running transaction check
---> Package mariadb.x86_64 1:5.5.68-1.amzn2 will be installed
---> Package perl-DBD-MySQL.x86_64 0:4.023-6.amzn2 will be installed
---> Package perl-DBI.x86_64 0:1.627-4.amzn2.0.2 will be installed
--> Processing Dependency: perl(RPC::PlServer) >= 0.2001 for package: perl-DBI-1.627-4.amzn2.0.2.x86_64
--> Processing Dependency: perl(RPC::PlClient) >= 0.2000 for package: perl-DBI-1.627-4.amzn2.0.2.x86_64
---> Package perl-Data-Dumper.x86_64 0:2.145-3.amzn2.0.2 will be installed
--> Running transaction check
---> Package perl-PlRPC.noarch 0:0.2020-14.amzn2 will be installed
--> Processing Dependency: perl(Net::Daemon) >= 0.13 for package: perl-PlRPC-0.2020-14.amzn2.noarch
--> Processing Dependency: perl(Net::Daemon::Test) for package: perl-PlRPC-0.2020-14.amzn2.noarch
--> Processing Dependency: perl(Net::Daemon::Log) for package: perl-PlRPC-0.2020-14.amzn2.noarch
--> Processing Dependency: perl(Compress::Zlib) for package: perl-PlRPC-0.2020-14.amzn2.noarch
--> Running transaction check
---> Package perl-IO-Compress.noarch 0:2.061-2.amzn2 will be installed
--> Processing Dependency: perl(Compress::Raw::Zlib) >= 2.061 for package: perl-IO-Compress-2.061-2.amzn2.noarch
--> Processing Dependency: perl(Compress::Raw::Bzip2) >= 2.061 for package: perl-IO-Compress-2.061-2.amzn2.noarch
---> Package perl-Net-Daemon.noarch 0:0.48-5.amzn2 will be installed
--> Running transaction check
---> Package perl-Compress-Raw-Bzip2.x86_64 0:2.061-3.amzn2.0.2 will be installed


ap-northeast-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0a8371097686abc8b&osUser=ec2-user&region=ap-northe...
Verifying : 1:perl-Compress-Raw-Zlib-2.061-4.amzn2.0.2.x86_64 1/10
Verifying : perl-IO-Compress-2.061-2.amzn2.noarch 2/10
Verifying : perl-Net-Daemon-0.48-5.amzn2.noarch 3/10
Verifying : perl-Data-Dumper-2.145-3.amzn2.0.2.x86_64 4/10
Verifying : perl-DBD-MySQL-4.023-6.amzn2.x86_64 5/10
Verifying : 1:mariadb-server-5.5.68-1.amzn2.x86_64 6/10
Verifying : 1:mariadb-5.5.68-1.amzn2.x86_64 7/10
Verifying : perl-Compress-Raw-Bzip2-2.061-3.amzn2.0.2.x86_64 8/10
Verifying : perl-DBI-1.627-4.amzn2.0.2.x86_64 9/10
Verifying : perl-PlRPC-0.2020-14.amzn2.noarch 10/10
Installed:
mariadb-server.x86_64 1:5.5.68-1.amzn2
Dependency Installed:
mariadb.x86_64 1:5.5.68-1.amzn2 perl-Compress-Raw-Bzip2.x86_64 0:2.061-3.amzn2.0.2 perl-Compress-Raw-Zlib.x86_64 1:2.061-4.amzn2.0.2
perl-DBD-MySQL.x86_64 0:4.023-6.amzn2 perl-DBI.x86_64 0:1.627-4.amzn2.0.2 perl-Data-Dumper.x86_64 0:2.145-3.amzn2.0.2
perl-IO-Compress.noarch 0:2.061-2.amzn2 perl-Net-Daemon.noarch 0:0.48-5.amzn2 perl-PlRPC.noarch 0:0.2020-14.amzn2
Complete!
[ec2-user@ip-172-31-15-50 ~]$ sudo systemctl start mariadb
[ec2-user@ip-172-31-15-50 ~]$
[ec2-user@ip-172-31-15-50 ~]$ mysql -version
rsion
ERROR 1064 (42000) at line 1: You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'rsion' at line 1
[ec2-user@ip-172-31-15-50 ~]$ mysql --version
mysql Ver 15.1 Distrib 5.5.68-MariaDB, for Linux (x86_64) using readline 5.1
[ec2-user@ip-172-31-15-50 ~]$ mysql --version
mysql Ver 15.1 Distrib 5.5.68-MariaDB, for Linux (x86_64) using readline 5.1
[ec2-user@ip-172-31-15-50 ~]$
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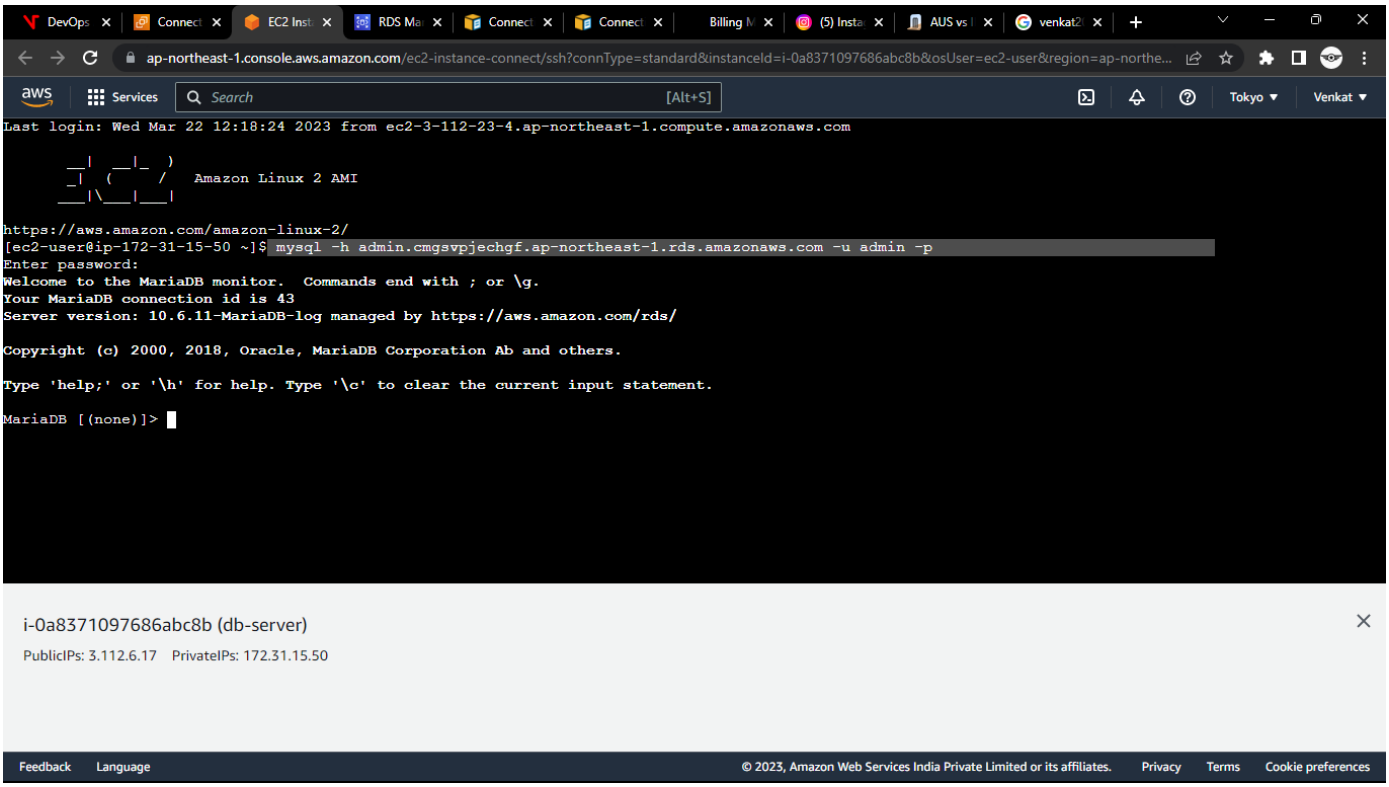
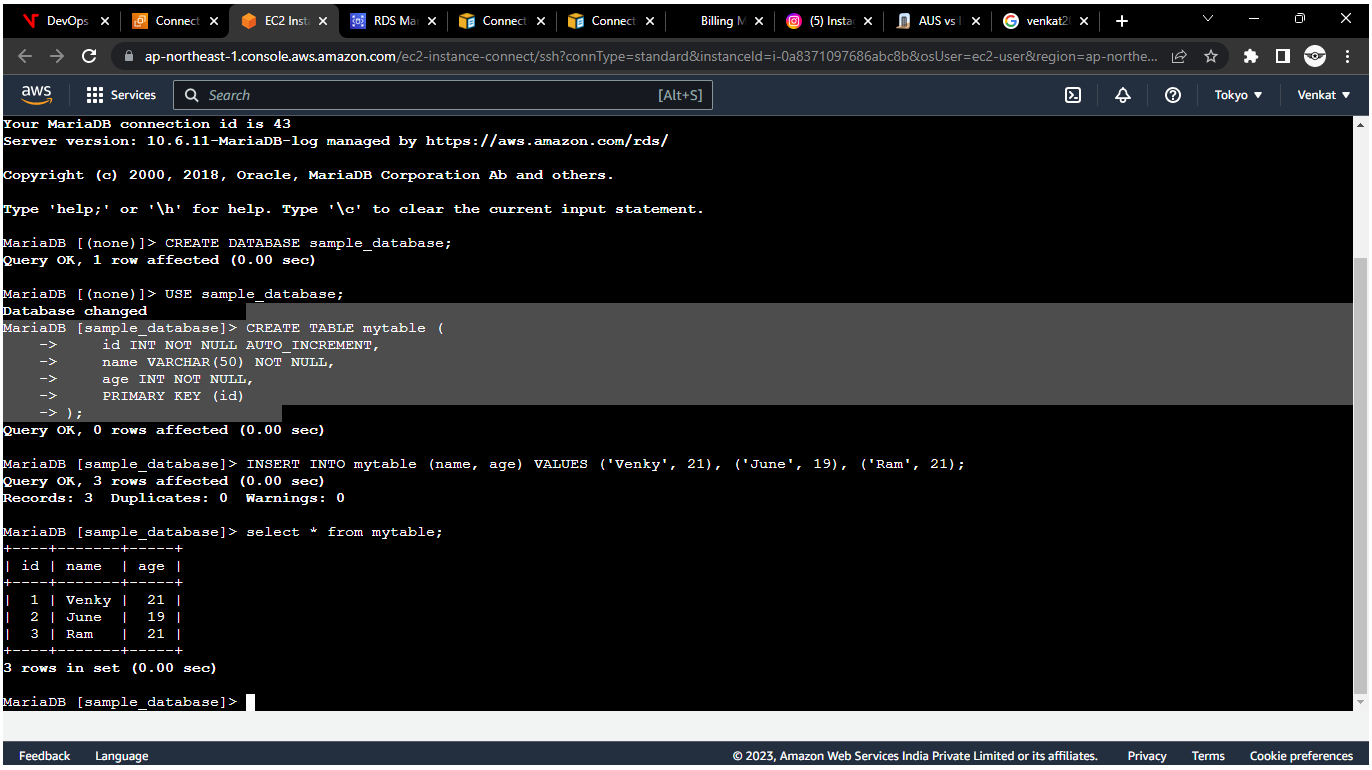
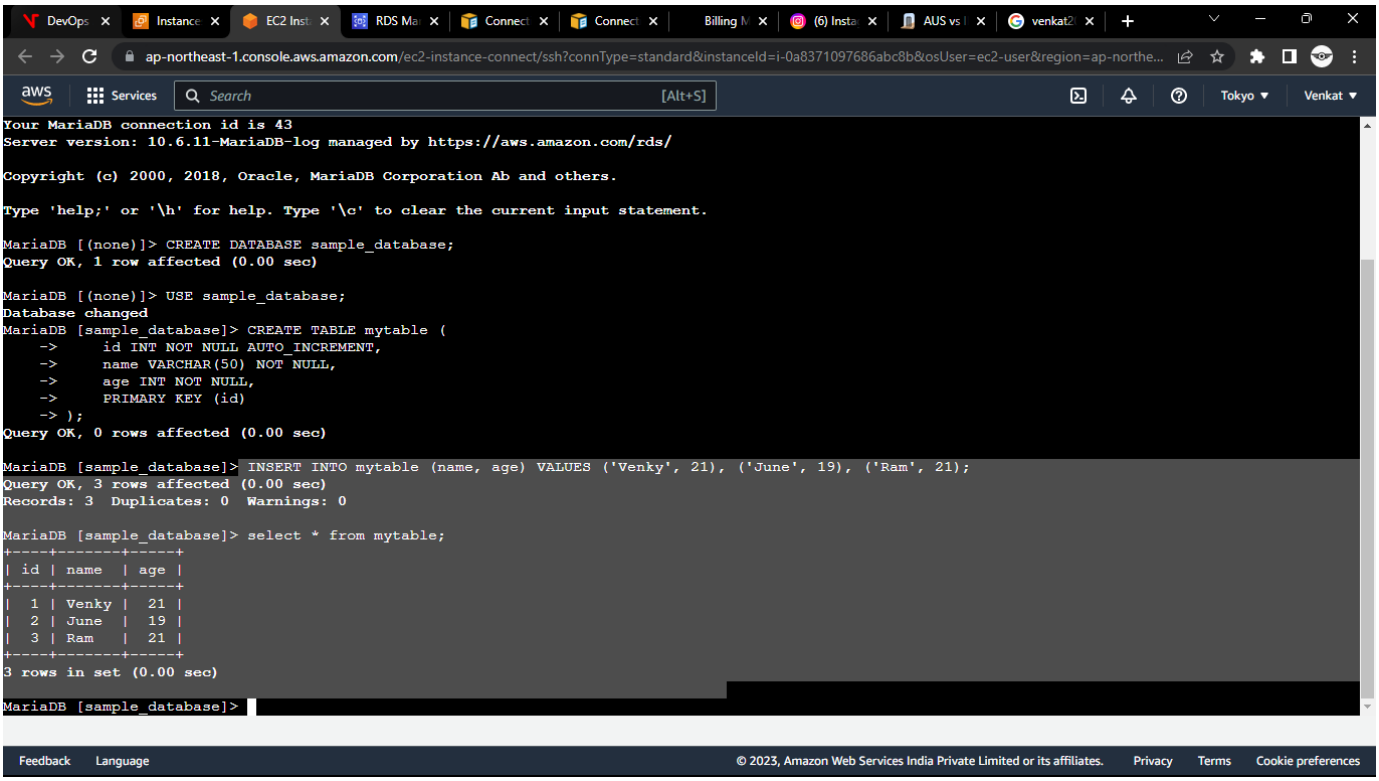

ap-northeast-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0a8371097686abc8b&osUser=ec2-user&region=ap-northe...
Last login: Wed Mar 22 12:18:24 2023 from ec2-3-112-23-4.ap-northeast-1.compute.amazonaws.com
Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-15-50 ~]$ mysql -h admin.cmgsvpjechgf.ap-northeast-1.rds.amazonaws.com -u admin -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 43
Server version: 10.6.11-MariaDB-log managed by https://aws.amazon.com/rds/
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
MariaDB [(none)]>
i-0a8371097686abc8b (db-server)
PublicIPs: 3.112.6.17 PrivateIPs: 172.31.15.50
Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences



```
Your MariaDB connection id is 43
Server version: 10.6.11-MariaDB-log managed by https://aws.amazon.com/rds/

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

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

MariaDB [(none)]> CREATE DATABASE sample_database;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> USE sample_database;
Database changed
MariaDB [sample_database]> CREATE TABLE mytable (
    ->     id INT NOT NULL AUTO_INCREMENT,
    ->     name VARCHAR(50) NOT NULL,
    ->     age INT NOT NULL,
    ->     PRIMARY KEY (id)
    -> );
Query OK, 0 rows affected (0.00 sec)

MariaDB [sample_database]> INSERT INTO mytable (name, age) VALUES ('Venky', 21), ('June', 19), ('Ram', 21);
Query OK, 3 rows affected (0.00 sec)
Records: 3  Duplicates: 0  Warnings: 0

MariaDB [sample_database]> select * from mytable;
+----+-------+-----+
| id | name  | age |
+----+-------+-----+
|  1 | Venky |  21 |
|  2 | June  |  19 |
|  3 | Ram   |  21 |
+----+-------+-----+
3 rows in set (0.00 sec)

MariaDB [sample_database]>
```



```
Your MariaDB connection id is 43
Server version: 10.6.11-MariaDB-log managed by https://aws.amazon.com/rds/

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MariaDB [(none)]> CREATE DATABASE sample_database;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> USE sample_database;
Database changed
MariaDB [sample_database]> CREATE TABLE mytable (
    ->     id INT NOT NULL AUTO_INCREMENT,
    ->     name VARCHAR(50) NOT NULL,
    ->     age INT NOT NULL,
    ->     PRIMARY KEY (id)
    -> );
Query OK, 0 rows affected (0.00 sec)

MariaDB [sample_database]> INSERT INTO mytable (name, age) VALUES ('Venky', 21), ('June', 19), ('Ram', 21);
Query OK, 3 rows affected (0.00 sec)
Records: 3  Duplicates: 0  Warnings: 0

MariaDB [sample_database]> select * from mytable;
+----+-------+-----+
| id | name  | age |
+----+-------+-----+
|  1 | Venky |  21 |
|  2 | June  |  19 |
|  3 | Ram   |  21 |
+----+-------+-----+
3 rows in set (0.00 sec)

MariaDB [sample_database]>
```