

RDS Deployment Multi -Region

Create RDS in Mumbai region

The screenshot displays the AWS RDS Management Console interface. The browser address bar shows the URL: `ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#databases:`. The console header includes the AWS logo, a search bar, and the region 'Mumbai'. The left sidebar lists various RDS services, with 'Databases' highlighted. The main content area shows the 'Databases' page with a 'Create database' button and a table of existing databases.

Databases ☒ Group resources

Filter by databases

	DB identifier	Role	Engine	Region & AZ	Size	Status
<input type="radio"/>	database	Instance	MySQL Community	ap-south-1c	db.t3.micro	Available

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Untitled document - Google Doc x RDS Management Console x RDS Management Console +

ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#database:id=database;is-cluster=false

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aws Services Search for services, features, blogs, docs, and more [Alt+S] Mumbai Nithin

EC2

Amazon RDS x

DashboardDatabasesQuery EditorPerformance InsightsSnapshotsAutomated backupsReserved instancesProxiesSubnet groupsParameter groupsOption groupsCustom engine versionsEventsEvent subscriptionsRecommendations 1

Connectivity & security

Endpoint & port

Endpoint
database.ciksbttry1bet.ap-south-1.rds.amazonaws.com

Port
3306

Networking

Availability Zone
ap-south-1c

VPC
vpc-0624bf54bfbf048c6

Subnet group
default-vpc-0624bf54bfbf048c6

Subnets
subnet-0815a5fcd0a982c69
subnet-0e6f8d8d946adce16
subnet-0549c216d79262fc6

Network type
IPv4

Security

VPC security groups
launch-wizard-2 (sg-013e957eca72f9f76)
Active

Publicly accessible
No

Certificate authority
rds-ca-2019

Certificate authority date
August 22, 2024, 22:38 (UTC+05:30)

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Select the database - action - Create read replica

The screenshot shows the Amazon RDS console interface. At the top, a green banner states "Successfully created database database" with a "View connection details" button. The left sidebar contains navigation links for various RDS features. The main content area displays a table of databases. The "Actions" dropdown menu is open for the selected database, showing several options. The "Create read replica" option is highlighted.

Amazon RDS

- Dashboard
- Databases**
- Query Editor
- Performance Insights
- Snapshots
- Automated backups
- Reserved instances
- Proxies
- Subnet groups
- Parameter groups
- Option groups
- Custom engine versions
- Events
- Event subscriptions
- Recommendations 1

Databases Group resources Modify Actions Restore from S3 Create database

Filter by databases

DB identifier	Role	Region & AZ	Size	Status
database	Instance	ap-south-1c	db.t3.micro	Available

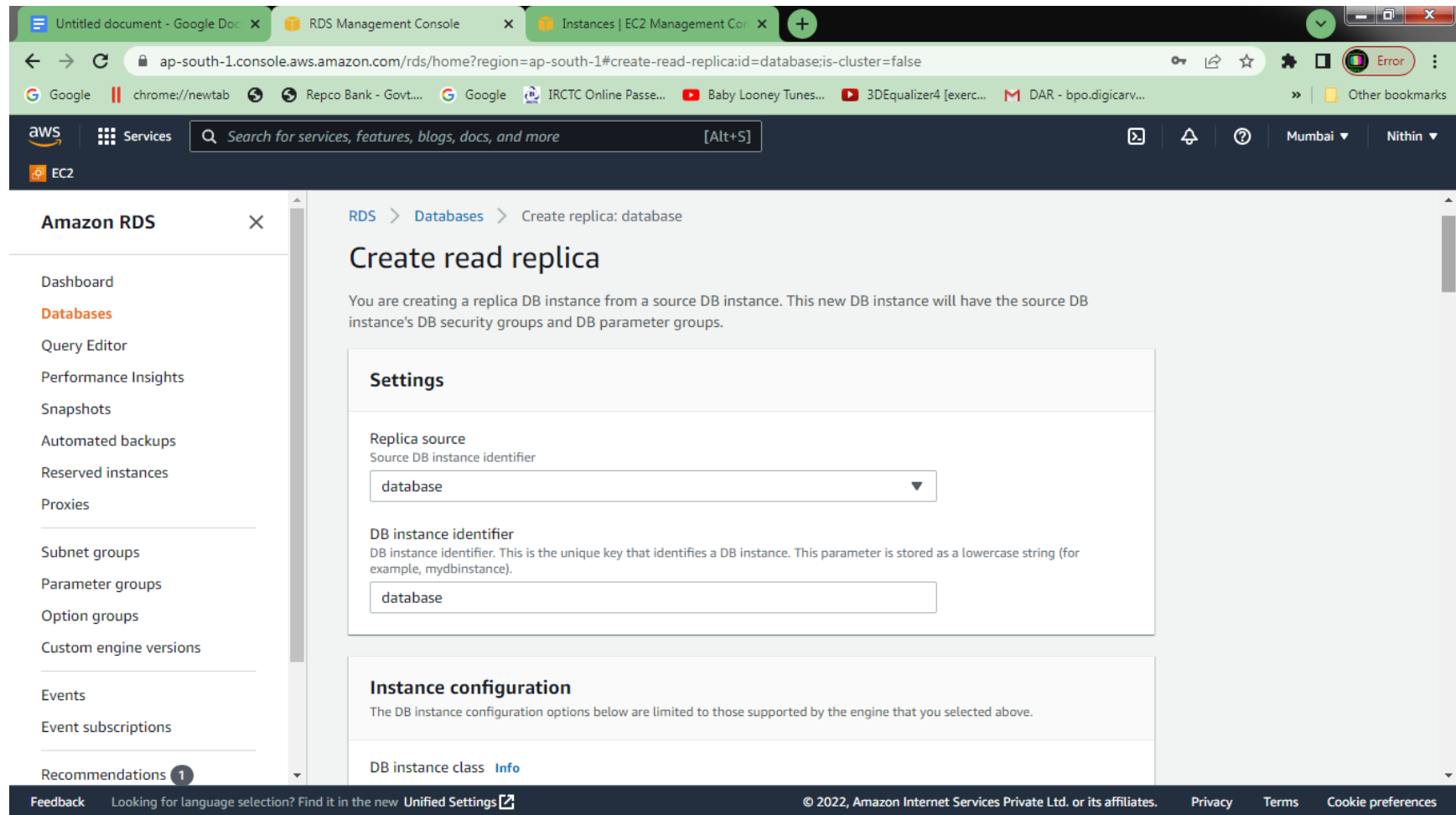
Actions menu options:

- Stop temporarily
- Reboot
- Delete
- Create read replica
- Create Aurora read replica
- Promote
- Take snapshot
- Restore to point in time
- Migrate snapshot

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Source name



Amazon RDS

- Dashboard
- Databases**
- Query Editor
- Performance Insights
- Snapshots
- Automated backups
- Reserved instances
- Proxies
- Subnet groups
- Parameter groups
- Option groups
- Custom engine versions
- Events
- Event subscriptions
- Recommendations 1

RDS > Databases > Create replica: database

Create read replica

You are creating a replica DB instance from a source DB instance. This new DB instance will have the source DB instance's DB security groups and DB parameter groups.

Settings

Replica source
Source DB instance identifier

database

DB instance identifier
DB instance identifier. This is the unique key that identifies a DB instance. This parameter is stored as a lowercase string (for example, mydbinstance).

database

Instance configuration

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

DB instance class [Info](#)

Feedback Looking for language selection? Find it in the new [Unified Settings](#)

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Destination Region

The screenshot displays the Amazon RDS console interface. On the left, a navigation sidebar lists various RDS features: Dashboard, Databases (highlighted in orange), Query Editor, Performance Insights, Snapshots, Automated backups, Reserved instances, Proxies, Subnet groups, Parameter groups, Option groups, Custom engine versions, Events, Event subscriptions, and Recommendations (with a notification badge). The main content area is titled 'Amazon RDS' and contains several configuration sections. At the top, a dropdown menu shows the instance class 'db.t3.micro' with specifications '2 vCPUs', '1 GiB RAM', and 'Network: 2,085 Mbps'. Below this is a toggle for 'Include previous generation classes'. The 'AWS Region' section contains a 'Destination Region' label with the subtext 'The Region where the replica will be launched.' and a dropdown menu currently set to 'US East (N. Virginia)'. The 'Storage' section shows 'Storage type' as 'General Purpose SSD (gp2)' with a note about baseline performance. A blue information box at the bottom of the storage section provides a warning about provisioning less than 100 GiB of General Purpose (SSD) storage for high throughput workloads. The footer of the console includes a 'Feedback' link, a language selection prompt, a link to 'Unified Settings', a copyright notice for 2022, and links for 'Privacy', 'Terms', and 'Cookie preferences'.

db.t3.micro
2 vCPUs 1 GiB RAM Network: 2,085 Mbps

☐ Include previous generation classes

AWS Region

Destination Region
The Region where the replica will be launched.

US East (N. Virginia)

Storage

Storage type [Info](#)

General Purpose SSD (gp2)
Baseline performance determined by volume size

Provisioning less than 100 GiB of General Purpose (SSD) storage for high throughput workloads could result in higher latencies upon exhaustion of the initial General Purpose (SSD) IO credit balance. [Learn more](#)

Feedback Looking for language selection? Find it in the new [Unified Settings](#)

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Replica created success in N. Virginia

The screenshot shows the Amazon RDS console interface. The left sidebar contains navigation links: Dashboard, Databases, Query Editor, Performance Insights, Snapshots, Automated backups, Reserved instances, Proxies, Subnet groups, Parameter groups, Option groups, Custom engine versions, Events, Event subscriptions, and Recommendations (1). The main content area displays three sections: Security group rules (2), Replication (2), and Proxies (0). The Replication section includes a table with the following data:

DB instance	Role	Region & AZ	Replication source	Replication state	Lag
database	Primary	ap-south-1c	-	-	-
database (N.Virginia)	Replica	us-east-1	database	-	-

The bottom of the console shows a footer with the text: © 2022, Amazon Internet Services Private Ltd. or its affiliates. Privacy Terms Cookie preferences.

Create Ec2 instance in Mumbai region

The screenshot shows the AWS Management Console for the Mumbai region. The main content area displays the EC2 Instances page with a table of running instances. The table has columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability Zone. One instance, EC2RDSMUMBAI, is listed with ID i-04702b5675221dd7e, in the Running state, using the t2.micro instance type. The status check shows 2/2 checks passed. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Tags, Limits, and a dropdown for Instances. The Instances dropdown is expanded, showing options like Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, and Images. The top navigation bar includes the AWS logo, Services search, and the Mumbai region selector.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
EC2RDSMUMBAI	i-04702b5675221dd7e	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a

Perform this command

Sudo su -

Yum update -y

yum install mysql -y

The screenshot shows the AWS Management Console interface with the EC2 Instance Connect terminal open. The terminal displays the output of the command `yum install mysql -y`. The output shows that the transaction summary is for installing 1 package (mariadb-5.5.68-1.amzn2.x86_64.rpm) with a total download size of 8.8 M and an installed size of 49 M. The transaction check and test are successful. The installed packages are listed as mariadb.x86_64 1:5.5.68-1.amzn2. The terminal prompt is `[root@ip-172-31-35-197 ~]#`.

Transaction Summary

=====
Install 1 Package

Total download size: 8.8 M
Installed size: 49 M
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-172-31-35-197 ~]# yum install mysql -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package 1:mariadb-5.5.68-1.amzn2.x86_64 already installed and latest version
Nothing to do
[root@ip-172-31-35-197 ~]# ^C
[root@ip-172-31-35-197 ~]#

i-04702b5675221dd7e (EC2RDSMUMBAI)

PublicIPs: 13.232.8.95 PrivateIPs: 172.31.35.197

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Establish the communication between ec2-rds using this command
mysql -h database.ciksbtry1bet.ap-south-1.rds.amazonaws.com -P 3306 -u admin -p

The screenshot displays the AWS Management Console interface for an EC2 Instance Connect session. The browser tabs include 'Untitled document - Google Doc', 'RDS Management Console', 'Connect to instance | EC2 Manag', and 'EC2 Instance Connect'. The address bar shows the URL: `ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-04702b5675221dd7e&osUser=ec2-...`. The console header shows the AWS logo, 'Services' menu, a search bar, and the user 'Nithin' in 'Mumbai'.

The main content area shows the 'EC2' section with a 'Transaction Summary' for instance `i-04702b5675221dd7e (EC2RDSMUMBAI)`. The terminal output is as follows:

```
Transaction Summary
=====
Install 1 Package

Total download size: 8.8 M
Installed size: 49 M
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-172-31-35-197 ~]# yum install mysql -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package 1:mariadb-5.5.68-1.amzn2.x86_64 already installed and latest version
Nothing to do
[root@ip-172-31-35-197 ~]# ^C
[root@ip-172-31-35-197 ~]# mysql -h database.ciksbtry1bet.ap-south-1.rds.amazonaws.com -P 3306 -u admin -p
Enter password: 
```

Below the terminal output, the instance details are shown: `i-04702b5675221dd7e (EC2RDSMUMBAI)` with Public IPs: `13.232.8.95` and Private IPs: `172.31.35.197`.

The footer contains links for 'Feedback', 'Looking for language selection? Find it in the new Unified Settings', and copyright information: '© 2022, Amazon Internet Services Private Ltd. or its affiliates.' along with 'Privacy', 'Terms', and 'Cookie preferences' links.

Enter password

The screenshot shows a web browser window with multiple tabs. The active tab is titled "EC2 Instance Connect" and displays a terminal session. The terminal output shows the following steps:

```
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-172-31-35-197 ~]# yum install mysql -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package 1:mariadb-5.5.68-1.amzn2.x86_64 already installed and latest version
Nothing to do
[root@ip-172-31-35-197 ~]# ^C
[root@ip-172-31-35-197 ~]# mysql -h database.ciksbtrylbet.ap-south-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 24
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)]>
```

Below the terminal output, the instance details are shown:

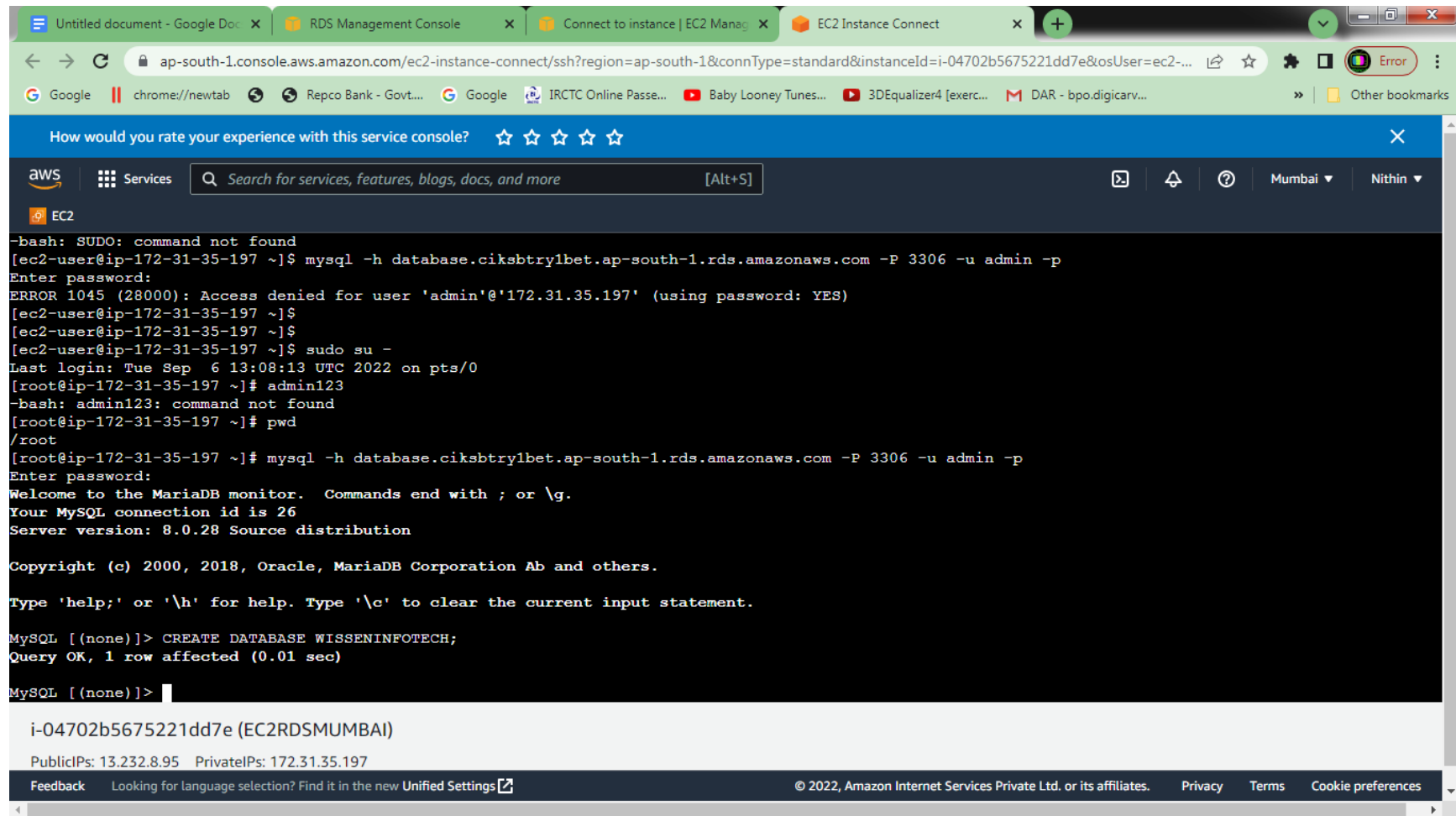
i-04702b5675221dd7e (EC2RDSMUMBAI)
PublicIPs: 13.232.8.95 PrivateIPs: 172.31.35.197

The browser's address bar shows the URL: `ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-04702b5675221dd7e&osUser=ec2-...`. The browser's bookmark bar includes links to Google, chrome://newtab, Repco Bank - Govt..., IRCTC Online Passe..., Baby Looney Tunes..., 3DEqualizer4 [exerc..., and DAR - bpo.digicarv....

The footer of the browser window contains the following text: "Feedback Looking for language selection? Find it in the new Unified Settings", "© 2022, Amazon Internet Services Private Ltd. or its affiliates.", "Privacy", "Terms", and "Cookie preferences".

Create database

CREATE DATABASE WISSENINFOTECH;



The screenshot shows a web browser window with the AWS Management Console open to the EC2 Instance Connect page. The terminal session is as follows:

```
-bash: SUDO: command not found
[ec2-user@ip-172-31-35-197 ~]$ mysql -h database.ciksbtrylbet.ap-south-1.rds.amazonaws.com -P 3306 -u admin -p
Enter password:
ERROR 1045 (28000): Access denied for user 'admin'@'172.31.35.197' (using password: YES)
[ec2-user@ip-172-31-35-197 ~]$
[ec2-user@ip-172-31-35-197 ~]$
[ec2-user@ip-172-31-35-197 ~]$ sudo su -
Last login: Tue Sep  6 13:08:13 UTC 2022 on pts/0
[root@ip-172-31-35-197 ~]# admin123
-bash: admin123: command not found
[root@ip-172-31-35-197 ~]# pwd
/root
[root@ip-172-31-35-197 ~]# mysql -h database.ciksbtrylbet.ap-south-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 26
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 WISSENINFOTECH;
Query OK, 1 row affected (0.01 sec)

MySQL [(none)]>
```

Below the terminal, the instance details are shown:

- Instance ID: i-04702b5675221dd7e (EC2RDSMUMBAI)
- Public IPs: 13.232.8.95 Private IPs: 172.31.35.197

The footer of the console shows the copyright notice: © 2022, Amazon Internet Services Private Ltd. or its affiliates. Links for Privacy, Terms, and Cookie preferences are also present.

create table wissen (eno int,ename varchar(20),edesig varchar(20));

The screenshot shows a web browser window with multiple tabs. The active tab is the AWS Management Console, displaying a terminal session for an EC2 instance. The terminal output shows the user logging in as root and connecting to a MariaDB database. The user successfully creates a database named 'WISSENINFOTECH' and then creates a table named 'wissen' with columns 'eno' (int), 'ename' (varchar(20)), and 'edesig' (varchar(20)). The terminal output is as follows:

```
/root
[root@ip-172-31-35-197 ~]# mysql -h database.ciksbtry1bet.ap-south-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 26
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 WISSENINFOTECH;
Query OK, 1 row affected (0.01 sec)

MySQL [(none)]> create table wissen (eno int,ename varchar(20),edesig varchar(20));
ERROR 1046 (3D000): No database selected
MySQL [(none)]> use WISSENINFOTECH;
Database changed
MySQL [WISSENINFOTECH]> create table wissen (eno int,ename varchar(20),edesig varchar(20));
Query OK, 0 rows affected (0.02 sec)

MySQL [WISSENINFOTECH]>
```

Below the terminal output, the instance ID is shown as i-04702b5675221dd7e (EC2RDSMUMBAI). The public IP is 13.232.8.95 and the private IP is 172.31.35.197. The footer of the console shows the Amazon logo, a feedback link, a language selection prompt, the copyright notice (© 2022, Amazon Internet Services Private Ltd. or its affiliates.), and links to Privacy, Terms, and Cookie preferences.

insert into wissen value (6398,'nithin','trainee engineer');

The screenshot shows the AWS Management Console interface for an EC2 Instance Connect session. The browser tabs include 'Untitled document - Google', 'RDS Management Console', 'Connect to instance | EC2', 'EC2 Instance Connect', '(14) WhatsApp', and 'RDS Deployment in Re...'. The address bar shows the URL: `ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-04702b5675221dd7e&osUser=ec2-...`. The console header includes the AWS logo, 'Services' link, a search bar, and user information 'Mumbai' and 'Nithin'. The main content area is a terminal window titled 'EC2' showing a MySQL monitor session. The terminal text is as follows:

```
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 26
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 WISSENINFOTECH;
Query OK, 1 row affected (0.01 sec)

MySQL [(none)]> create table wissen (eno int,ename varchar(20),edesig varchar(20));
ERROR 1046 (3D000): No database selected
MySQL [(none)]> use WISSENINFOTECH;
Database changed
MySQL [WISSENINFOTECH]> create table wissen (eno int,ename varchar(20),edesig varchar(20));
Query OK, 0 rows affected (0.02 sec)

MySQL [WISSENINFOTECH]> insert into wissen value (6398,'nithin','trainee engineer');
Query OK, 1 row affected (0.00 sec)

MySQL [WISSENINFOTECH]>
```

Below the terminal, the instance ID `i-04702b5675221dd7e (EC2RDSMUMBAI)` is displayed, along with public and private IP addresses: `PublicIPs: 13.232.8.95` and `PrivateIPs: 172.31.35.197`. The footer contains a feedback link, a language selection prompt, copyright information for Amazon Internet Services Private Ltd., and links for privacy, terms, and cookie preferences. A taskbar at the bottom shows a PDF file 'RDS Deployment i....pdf' and a 'Show all' button.

insert into wissen value (6398,'nithin','trainee engineer');

The screenshot shows the AWS Management Console interface for an EC2 instance. The browser tabs include 'Untitled document', 'RDS Management Console', 'Connect to instance', 'EC2 Instance Connect', '(14) WhatsApp', and 'RDS Deployment in Re...'. The address bar shows the URL: `ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-04702b5675221dd7e&osUser=ec2-...`. The console header displays the AWS logo, 'Services' menu, a search bar, and the user's location 'Mumbai' and name 'Nithin'. The main content area shows the 'EC2' tab selected, displaying the 'Welcome to the MariaDB monitor' message. The terminal session shows the following commands and output:

```
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 26
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 WISSENINFOTECH;
Query OK, 1 row affected (0.01 sec)

MySQL [(none)]> create table wissen (eno int,ename varchar(20),edesig varchar(20));
ERROR 1046 (3D000): No database selected
MySQL [(none)]> use WISSENINFOTECH;
Database changed
MySQL [WISSENINFOTECH]> create table wissen (eno int,ename varchar(20),edesig varchar(20));
Query OK, 0 rows affected (0.02 sec)

MySQL [WISSENINFOTECH]> insert into wissen value (6398,'nithin','trainee engineer');
Query OK, 1 row affected (0.00 sec)

MySQL [WISSENINFOTECH]>
```

Below the terminal session, the instance details are shown: `i-04702b5675221dd7e (EC2RDSMUMBAI)`. The public IP is `13.232.8.95` and the private IP is `172.31.35.197`. The footer includes a 'Feedback' link, a language selection prompt, and copyright information for Amazon Internet Services Private Ltd. or its affiliates. The bottom of the screen shows a taskbar with a PDF file 'RDS Deployment i....pdf' and a 'Show all' button.

insert into wissen value (6406,'kavitha','trainee engineer');

The screenshot shows the AWS Management Console interface for an EC2 instance. The browser tabs include 'Untitled document', 'RDS Management Console', 'Connect to instance', 'EC2 Instance Connect', '(14) WhatsApp', and 'RDS Deployment in Re...'. The address bar shows the URL: `ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-04702b5675221dd7e&osUser=ec2-...`. The console header displays 'How would you rate your experience with this service console?' with five stars and a search bar. The main content area shows the terminal output of MySQL commands:

```
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 WISSENINFOTECH;
Query OK, 1 row affected (0.01 sec)

MySQL [(none)]> create table wissen (eno int,ename varchar(20),edesig varchar(20));
ERROR 1046 (3D000): No database selected
MySQL [(none)]> use WISSENINFOTECH;
Database changed
MySQL [WISSENINFOTECH]> create table wissen (eno int,ename varchar(20),edesig varchar(20));
Query OK, 0 rows affected (0.02 sec)

MySQL [WISSENINFOTECH]> insert into wissen value (6398,'nithin','trainee engineer');
Query OK, 1 row affected (0.00 sec)

MySQL [WISSENINFOTECH]> insert into wissen value (6406,'kavitha','trainee engineer');
Query OK, 1 row affected (0.00 sec)

MySQL [WISSENINFOTECH]>
```

Below the terminal output, the instance ID `i-04702b5675221dd7e (EC2RDSMUMBAI)` and public/private IP addresses are displayed. The footer includes a feedback link, a language selection prompt, and copyright information for Amazon Internet Services Private Ltd. A taskbar at the bottom shows a PDF file named 'RDS Deployment i....pdf' and a 'Show all' button.

insert into wissen value (6405,'Babjan','trainee engineer');

How would you rate your experience with this service console? ☆ ☆ ☆ ☆ ☆

aws Services Search for services, features, blogs, docs, and more [Alt+S] Mumbai Nithin

EC2

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

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

MySQL [(none)]> create table wissen (eno int,ename varchar(20),edesig varchar(20));
ERROR 1046 (3D000): No database selected
MySQL [(none)]> use WISSENINFOTECH;
Database changed
MySQL [WISSENINFOTECH]> create table wissen (eno int,ename varchar(20),edesig varchar(20));
Query OK, 0 rows affected (0.02 sec)

MySQL [WISSENINFOTECH]> insert into wissen value (6398,'nithin','trainee engineer');
Query OK, 1 row affected (0.00 sec)

MySQL [WISSENINFOTECH]> insert into wissen value (6406,'kavitha','trainee engineer');
Query OK, 1 row affected (0.00 sec)

MySQL [WISSENINFOTECH]> insert into wissen value (6405,'Babjan','trainee engineer');
Query OK, 1 row affected (0.01 sec)

MySQL [WISSENINFOTECH]>
```

i-04702b5675221dd7e (EC2RDSMUMBAI)

PublicIPs: 13.232.8.95 PrivateIPs: 172.31.35.197

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RDS Deployment i....pdf Show all

Select * from wissen

How would you rate your experience with this service console? ☆ ☆ ☆ ☆ ☆

aws Services Search for services, features, blogs, docs, and more [Alt+S] Mumbai Nithin

EC2

```
MySQL [WISSENINFOTECH]> select * from wissen;
+-----+-----+-----+
| eno | ename | edesig |
+-----+-----+-----+
| 6398 | nithin | trainee engineer |
| 6406 | kavitha | trainee engineer |
| 6405 | Babjan | trainee engineer |
+-----+-----+-----+
3 rows in set (0.00 sec)

MySQL [WISSENINFOTECH]> select * from wissen;
+-----+-----+-----+
| eno | ename | edesig |
+-----+-----+-----+
| 6398 | nithin | trainee engineer |
| 6406 | kavitha | trainee engineer |
| 6405 | Babjan | trainee engineer |
+-----+-----+-----+
3 rows in set (0.01 sec)

MySQL [WISSENINFOTECH]>
```

i-04702b5675221dd7e (EC2RDSMUMBAI)

PublicIPs: 13.232.8.95 PrivateIPs: 172.31.35.197

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RDS Deployment i....pdf Show all

Create EC2 IN N. Virginia

The screenshot shows the AWS Management Console for the us-east-1 region. The main content area displays the 'Instances (1)' page. A table lists the following instance:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4
NVIRGINAEC2	i-0770775cf96c1e315	Running	t2.micro	2/2 checks passed	No alarms	us-east-1d	ec2-3-87-7

The sidebar on the left contains the following navigation options:

- EC2 Dashboard
- EC2 Global View
- Events
- Tags
- Limits
- Instances
 - Instances **New**
 - Instance Types
 - Launch Templates
 - Spot Requests
 - Savings Plans
 - Reserved Instances **New**
 - Dedicated Hosts
 - Scheduled Instances
 - Capacity Reservations
- Images

The bottom of the page features a footer with the following text:

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Apply this command

Sudo su -

Yum update -y

yum install mysql -y

The screenshot shows the AWS Management Console interface for an EC2 instance. The top navigation bar includes the AWS logo, 'Services' link, a search bar, and the current region 'N. Virginia' and user 'Nithin'. The main content area displays the 'Package' list for the instance, showing 'mariadb' with architecture 'x86_64', version '1:5.5.68-1.amzn2', repository 'amzn2-core', and size '8.8 M'. Below this, a 'Transaction Summary' section shows the installation progress: 'Install 1 Package', 'Total download size: 8.8 M', 'Installed size: 49 M', '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', and 'Complete!'. The bottom of the console shows the instance ID 'i-0770775cf96c1e315 (NVIRGINAEC2)' and its public/private IP addresses. The footer includes a feedback link, language selection, and copyright information for Amazon Internet Services Private Ltd. or its affiliates. A 'Show all' button is visible in the bottom right corner.

Package	Arch	Version	Repository	Size
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: 49 M
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-172-31-80-140 ~]#

i-0770775cf96c1e315 (NVIRGINAEC2)
PublicIPs: 3.87.73.4 PrivateIPs: 172.31.80.140

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Establish the communication between ec2-rds using this command
mysql -h database.cctvucyd8nro.us-east-1.rds.amazonaws.com -P 3306 -u admin -p

The screenshot displays the Amazon RDS console interface. The top navigation bar includes the AWS logo, a search bar, and the user's name 'N. Virginia'. The left sidebar shows the 'Amazon RDS' menu with options like Dashboard, Databases, Query Editor, and Performance insights. The main content area is titled 'Connectivity & security' and is divided into three columns: Endpoint & port, Networking, and Security.

Endpoint & port	Networking	Security
Endpoint database.cctvucyd8nro.us-east-1.rds.amazonaws.com	Availability Zone us-east-1c	VPC security groups default (sg-09cb2229765403ad9) Active
Port 3306	VPC vpc-042f480b41aa4efbd	Publicly accessible No
	Subnet group default	Certificate authority rds-ca-2019
	Subnets subnet-0b516779b0f52c3d6 subnet-0e5d8f8b1ebcaa698 subnet-03ea8c1418f6eac1	Certificate authority date August 22, 2024, 22:38 (UTC+05:30)

The bottom of the console shows a footer with '© 2022, Amazon Internet Services Private Ltd. or its affiliates.' and links for Privacy, Terms, and Cookie preferences. A notification bar at the very bottom indicates 'RDS Deployment i....pdf' with a 'Show all' button.

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0770775cf96c1e315&osUser=ec2-user®ion=us-e...

Google chrome://newtab Repco Bank - Govt... Google IRCTC Online Passe... Baby Looney Tunes... 3DEqualizer4 [exerc... DAR - bpo.digicarv... Other bookmarks

aws Services Search for services, features, blogs, docs, and more [Alt+S] N. Virginia Nithin

EC2

```
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: 49 M
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-172-31-80-140 ~]# mysql -h database.cctvucyd8nro.us-east-1.rds.amazonaws.com -P 3306 -u admin -p
Enter password:
```

i-0770775cf96c1e315 (NVIRGINAEC2)
PublicIPs: 3.87.73.4 PrivateIPs: 172.31.80.140

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RDS Deployment i....pdf Show all

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0770775cf96c1e315&osUser=ec2-user®ion=us-e...

Google chrome://newtab Repco Bank - Govt... Google IRCTC Online Passe... Baby Looney Tunes... 3DEqualizer4 [exerc... DAR - bpo.digicarv... Other bookmarks

aws Services Search for services, features, blogs, docs, and more [Alt+S]

EC2

```
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-172-31-80-140 ~]# mysql -h database.cctvucyd8nro.us-east-1.rds.amazonaws.com -P 3306 -u admin -p
Enter password:
ERROR 2003 (HY000): Can't connect to MySQL server on 'database.cctvucyd8nro.us-east-1.rds.amazonaws.com' (110)
[root@ip-172-31-80-140 ~]# mysql -h database.cctvucyd8nro.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 32
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)]>
```

i-0770775cf96c1e315 (NVIRGINAEC2)
PublicIPs: 3.87.73.4 PrivateIPs: 172.31.80.140

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RDS Deployment i....pdf Show all X

Show databases;

The screenshot shows a web browser window with multiple tabs. The active tab is the AWS Management Console, specifically the EC2 Instance Connect terminal for instance `i-0770775cf96c1e315` in the `us-east-1` region. The terminal session shows the user `ec2-user` connecting to a MySQL database on `database.cctvucyd8nro.us-east-1.rds.amazonaws.com`. After entering the password, the user is prompted to enter a password for the MariaDB monitor. The user then enters the MySQL connection ID `32`. The terminal output shows the MySQL version `8.0.28` and the source distribution. The user then enters the command `show databases;` and the output shows five databases: `WISSEINFOTECH`, `information_schema`, `mysql`, `performance_schema`, and `sys`. The terminal also shows the instance ID `i-0770775cf96c1e315 (NVIRGINAEC2)` and the public/private IP addresses `3.87.73.4` and `172.31.80.140`.

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0770775cf96c1e315&osUser=ec2-user®ion=us-e...

Services Search for services, features, blogs, docs, and more [Alt+S]

EC2

Enter password:
ERROR 2003 (HY000): Can't connect to MySQL server on 'database.cctvucyd8nro.us-east-1.rds.amazonaws.com' (110)
[root@ip-172-31-80-140 ~]# mysql -h database.cctvucyd8nro.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 32
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)]> show databases;
+-----+
| Database |
+-----+
| WISSEINFOTECH |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0.00 sec)
MySQL [(none)]>

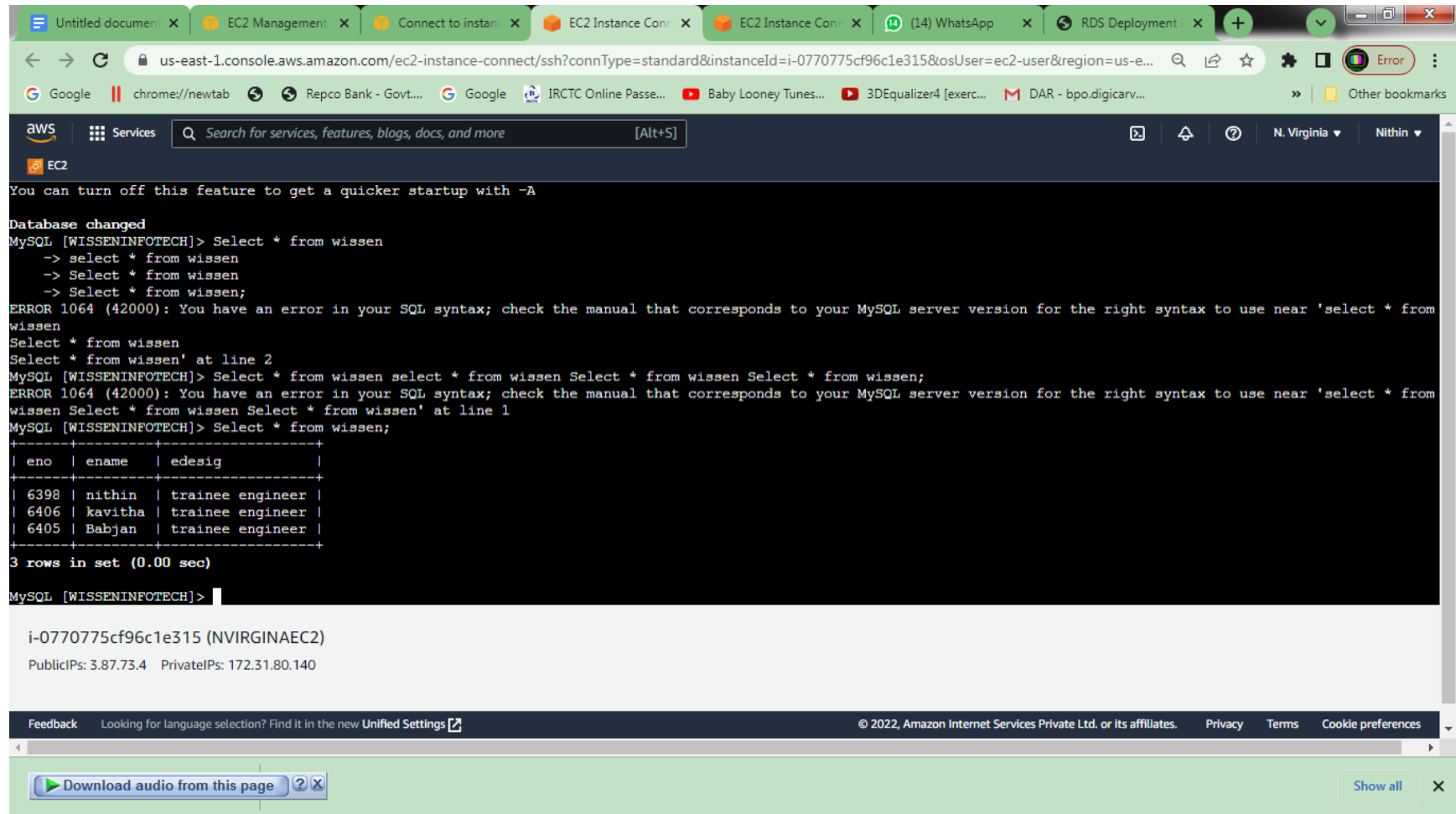
i-0770775cf96c1e315 (NVIRGINAEC2)
PublicIPs: 3.87.73.4 PrivateIPs: 172.31.80.140

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RDS Deployment i....pdf Show all

Use WISSENINFOTECH;
Select * from wissen;



The screenshot shows a web browser window with multiple tabs open, including 'EC2 Management', 'Connect to instance', and 'EC2 Instance Connect'. The active tab is 'EC2 Instance Connect', displaying the AWS Management Console interface. The console shows a terminal session for an EC2 instance named 'i-0770775cf96c1e315' in the 'us-east-1' region. The terminal output indicates that the database 'WISSENINFOTECH' is selected, and the query 'Select * from wissen;' is executed. The result shows 3 rows of data:

eno	ename	edesig
6398	nithin	trainee engineer
6406	kavitha	trainee engineer
6405	Babjan	trainee engineer

The terminal also displays error messages for syntax errors, indicating that the query 'Select * from wissen;' is not valid. The console footer shows the AWS logo, 'N. Virginia' region, and 'Nithin' user. The footer also includes a 'Download audio from this page' button and a 'Show all' button.

N. Virginia