

School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

Subject: Advance Cloud Computing(ACC)

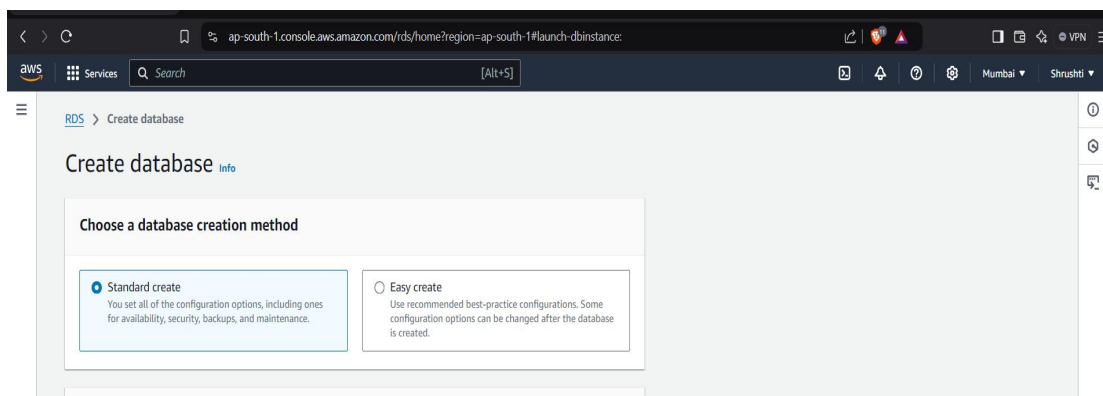
Name of the Student: Shrushti Krishna Shrivastav

PRN: 20220801024

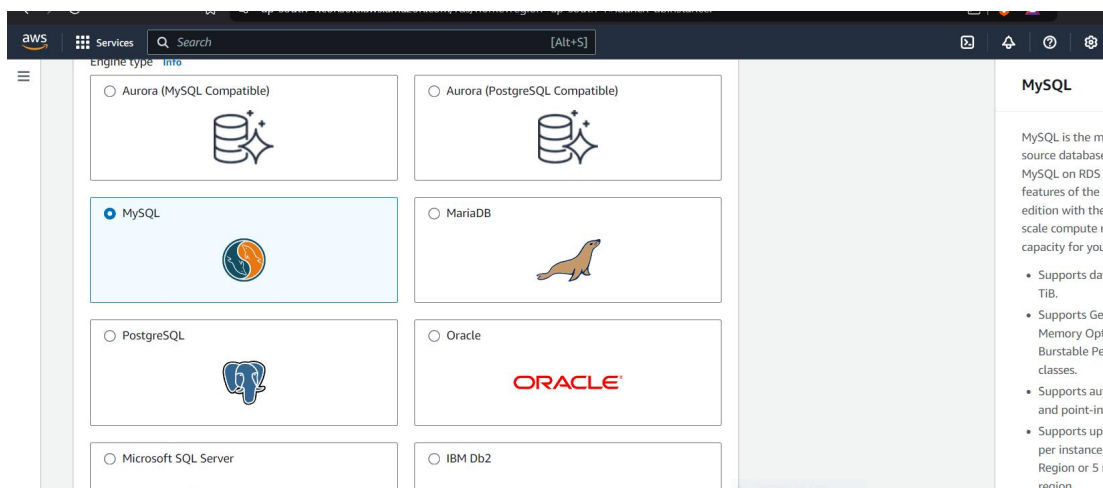
Title of Practicle : Export Amazon RDS DB Snapshot to S3

STEP1: CREATE A DATABASE

Create a standard database



Select mysql for engine



School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

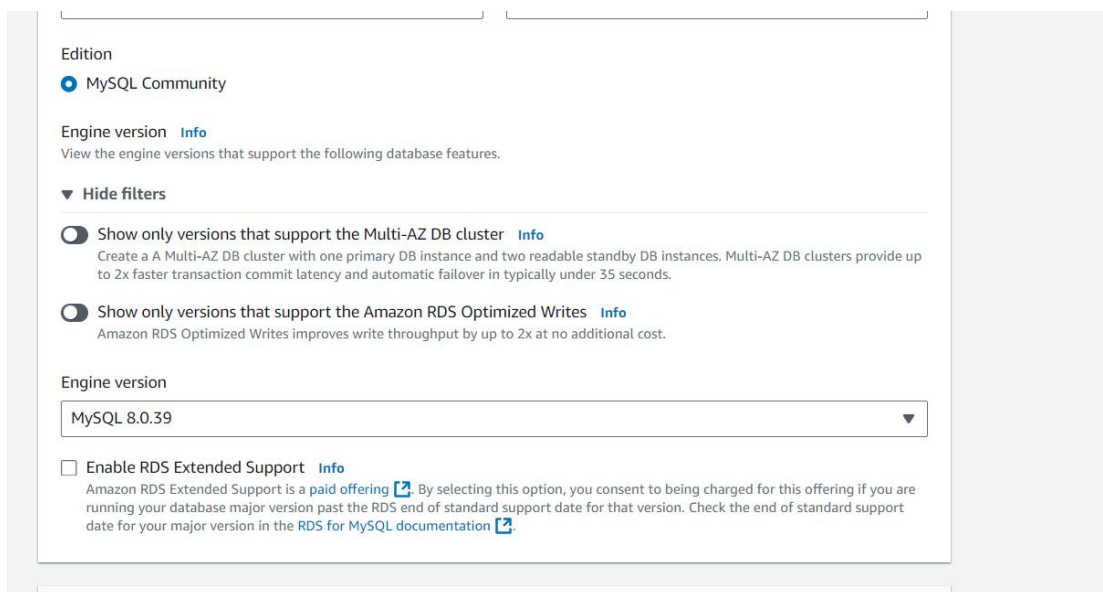
Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav

PRN: 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

No changes for this engine(keep setting for engine as default)



Edition
☒ MySQL Community

Engine version [Info](#)
View the engine versions that support the following database features.

▼ Hide filters

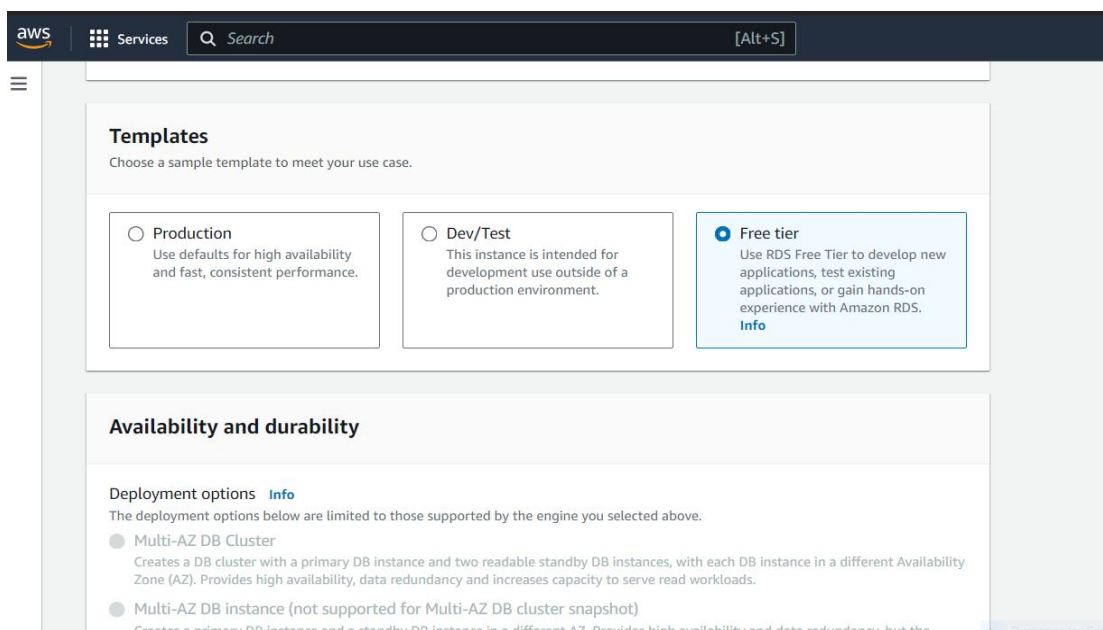
☒ Show only versions that support the Multi-AZ DB cluster [Info](#)
Create a Multi-AZ DB cluster with one primary DB instance and two readable standby DB instances. Multi-AZ DB clusters provide up to 2x faster transaction commit latency and automatic failover in typically under 35 seconds.

☒ Show only 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
MySQL 8.0.39 ▼

☐ Enable RDS Extended Support [Info](#)
Amazon RDS Extended Support is a [paid offering](#). By selecting this option, you consent to being charged for this offering if you are running your database major version past the RDS end of standard support date for that version. Check the end of standard support date for your major version in the [RDS for MySQL documentation](#).

Free tier



aws Services Search [Alt+S]

Templates
Choose a sample template to meet your use case.

☐ Production
Use defaults for high availability and fast, consistent performance.

☐ Dev/Test
This instance is intended for development use outside of a production environment.

☒ Free tier
Use RDS Free Tier to develop new applications, test existing applications, or gain hands-on experience with Amazon RDS. [Info](#)

Availability and durability

Deployment options [Info](#)
The deployment options below are limited to those supported by the engine you selected above.

☒ Multi-AZ DB Cluster
Creates a DB cluster with a primary DB instance and two readable standby DB instances, with each DB instance in a different Availability Zone (AZ). Provides high availability, data redundancy and increases capacity to serve read workloads.

☐ Multi-AZ DB instance (not supported for Multi-AZ DB cluster snapshot)
Creates a primary DB instance and a standby DB instance in a different AZ. Provides high availability and data redundancy, but the

School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

Subject: Advance Cloud Computing(ACC)

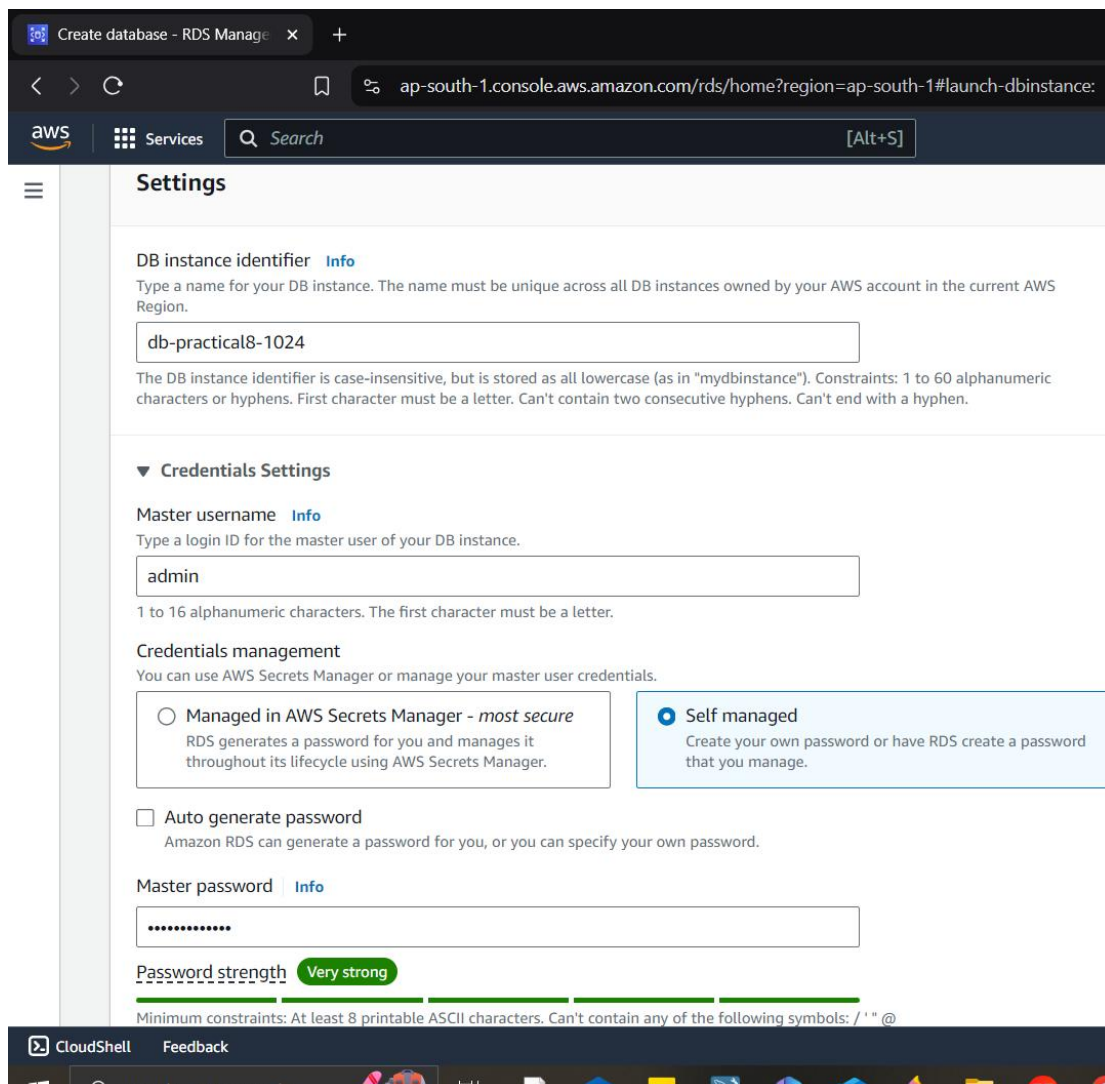
Name of the Student: Shrushti Krishna Shrivastav

PRN: 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

Name your db-instance-identifier

Add password (Shrushti12345 --for now)



Create database - RDS Manage x +

ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:

aws Services Search [Alt+S]

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.

db-practical8-1024

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. The first character must be a letter.

Credentials management

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

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

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

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

Master password [Info](#)

Password strength **Very strong**

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

CloudShell Feedback

Type here to search



School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav

PRN: 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

Select t3.micro

The screenshot shows the 'Instance configuration' section of the Amazon RDS console. It includes a note about engine limitations, a 'DB instance class' dropdown menu, and filter options. The 'db.t3.micro' class is selected, showing 2 vCPUs, 1 GiB RAM, and a network speed of up to 2,085 Mbps. Below this, the 'Storage' section is partially visible.

No changes for storage

The screenshot shows the 'Storage' configuration page. It includes a 'Storage type' dropdown set to 'General Purpose SSD (gp3)', an 'Allocated storage' input field set to '20' GiB, and a note about storage optimization. Below this, there are sections for 'Advanced settings' and 'Storage autoscaling'.



School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav

PRN: 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

Ensure public access is 'YES' (allowed)

The screenshot shows the AWS Management Console interface for configuring an Amazon RDS database instance. The 'Connectivity' tab is active, displaying options for connecting to a compute resource, selecting a VPC, and choosing a DB subnet group. The 'Public access' section at the bottom is highlighted, showing the 'Yes' radio button selected, which allows the database to be accessed from the internet. The 'No' option is also visible but unselected.

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.

Virtual private cloud (VPC) Info
Choose the VPC. The VPC defines the virtual networking environment for this DB instance.

Default VPC (vpc-0662aa9456cd34d0a)
3 Subnets, 3 Availability Zones

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.

default-vpc-0662aa9456cd34d0a
3 Subnets, 3 Availability Zones

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



School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav

PRN: 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

No changes

Services [Alt+S]

☒ **Choose existing**
Choose existing VPC security groups

☐ **Create new**
Create new VPC security group

Existing VPC security groups

Availability Zone [Info](#)

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

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

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

Expiry: May 20, 2061

If you don't select a certificate authority, RDS chooses one for you.

Additional configuration

Database port [Info](#)
TCP/IP port that the database will use for application connections.

No changes

Tags - optional
A tag consists of a case-sensitive key-value pair.

No tags associated with the resource.

You can add up to 50 more tags.

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.

☐ **Password and Kerberos authentication**
Choose a directory in which you want to allow authorized users to authenticate with this DB instance using Kerberos Authentication.



School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav

PRN: 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

No changes

ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:

Additional configuration
Database options, encryption turned on, backup turned on, backtrack turned off, maintenance, CloudWatch Logs, delete protection turned off.

Database options
Initial database name [Info](#)

If you do not specify a database name, Amazon RDS does not create a database.

DB parameter group [Info](#)
default:mysql8.0

Option group [Info](#)
default:mysql-8-0

Backup
☒ Enable automated backups
Creates a point-in-time snapshot of your database

Backup retention period [Info](#)
The number of days (1-35) for which automatic backups are kept.
1 day

Please note that automated backups are currently supported for InnoDB storage engine only. If you are using MyISAM, refer to details [here](#).

Ensure encryption is enabled

Backup retention period [Info](#)
The number of days (1-35) for which automatic backups are kept.
1 day

Backup window [Info](#)
The daily time range (in UTC) during which RDS takes automated backups.
☐ Choose a window
☒ No preference

☒ Copy tags to snapshots

Backup replication [Info](#)
☐ Enable replication in another AWS Region
Enabling replication automatically creates backups of your DB instance in the selected Region, for disaster recovery, in addition to the current Region.

Encryption
☒ Enable encryption
Choose to encrypt the given instance. Master key IDs and aliases appear in the list after they have been created using the AWS Key Management Service console. [Info](#)

AWS KMS key [Info](#)
(default) aws/rds

Account
339712766612

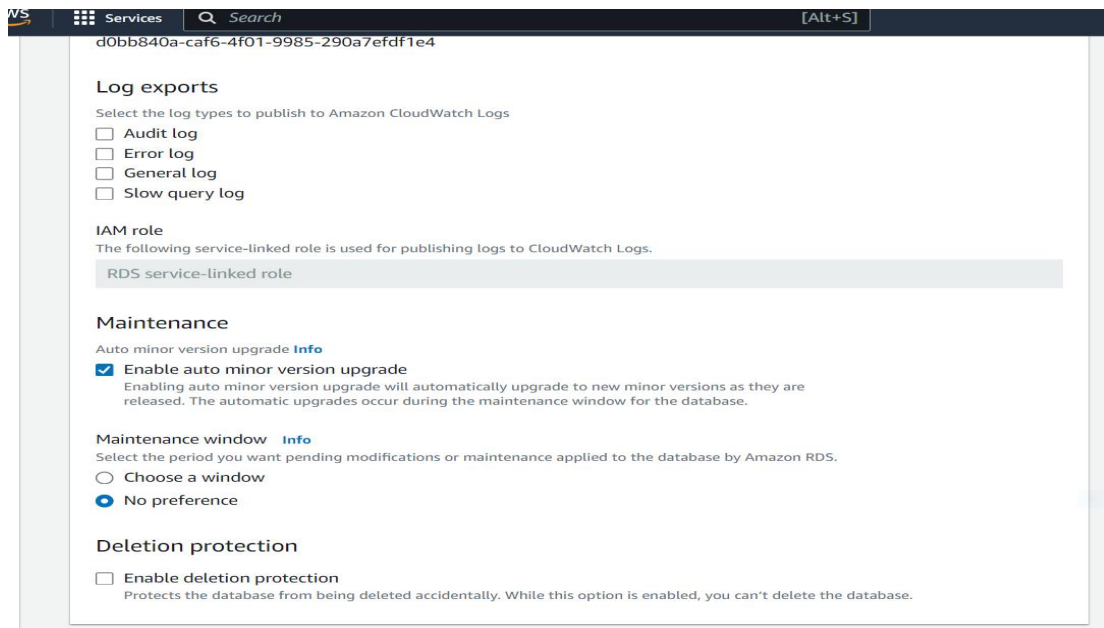
KMS key ID
d0bb840a-caf6-4f01-9985-290a7efdf1e4

School of Computer Science, Engineering and Applications(SCSEA)
B.C.A. TY (SCSEA)
Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav **PRN:** 20220801024

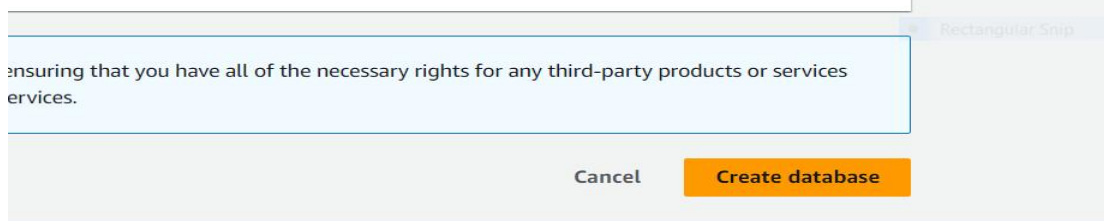
Title of Practicle : Export Amazon RDS DB Snapshot to S3

No changes

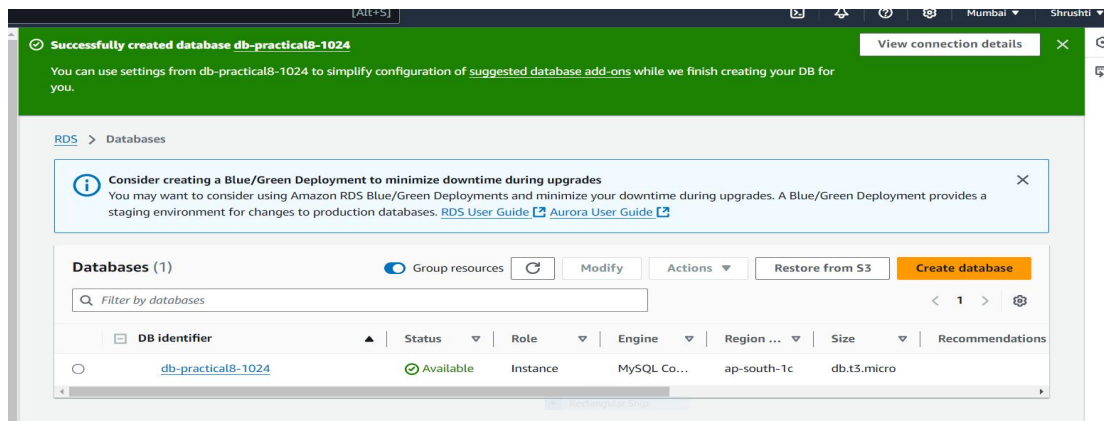


The screenshot shows the configuration page for an Amazon RDS database instance. The 'Log exports' section has four unchecked checkboxes: Audit log, Error log, General log, and Slow query log. The 'IAM role' section shows the 'RDS service-linked role'. The 'Maintenance' section has 'Enable auto minor version upgrade' checked. The 'Maintenance window' section has 'No preference' selected. The 'Deletion protection' section has 'Enable deletion protection' unchecked.

ribed in the [Amazon RDS Pricing page](#). 



The screenshot shows a modal dialog box with a 'Create database' button. The button is orange and labeled 'Create database'. There is also a 'Cancel' button. The dialog box contains text about ensuring necessary rights for third-party products or services.



The screenshot shows the Amazon RDS console after a database has been successfully created. A green banner at the top says 'Successfully created database db-practical8-1024'. Below the banner, there is a table with one row showing the database instance 'db-practical8-1024' with status 'Available'.

DB identifier	Status	Role	Engine	Region	Size	Recommendations
db-practical8-1024	Available	Instance	MySQL Co...	ap-south-1c	db.t3.micro	

School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav

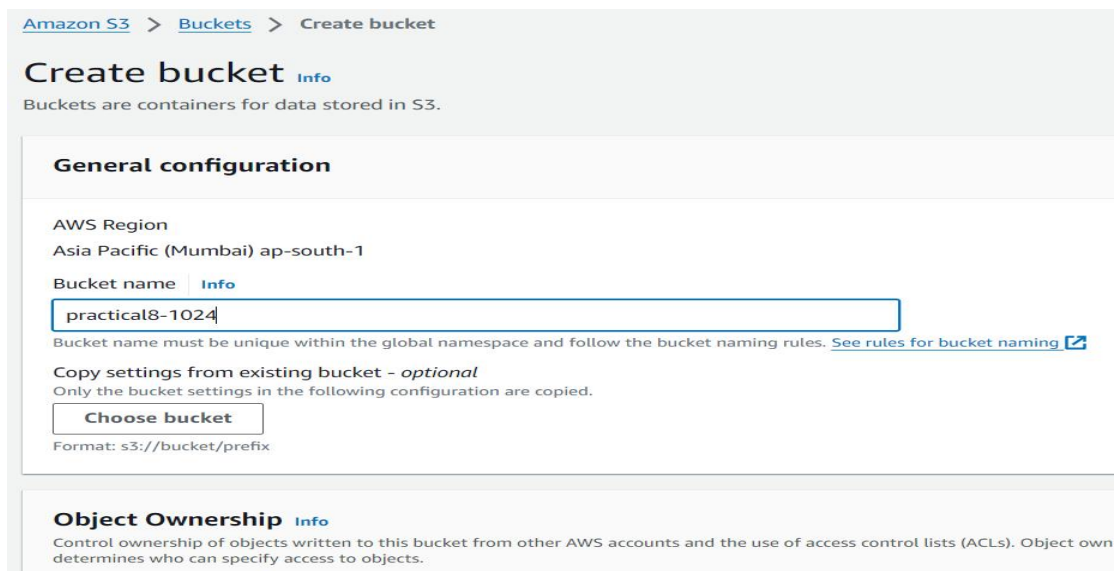
PRN: 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

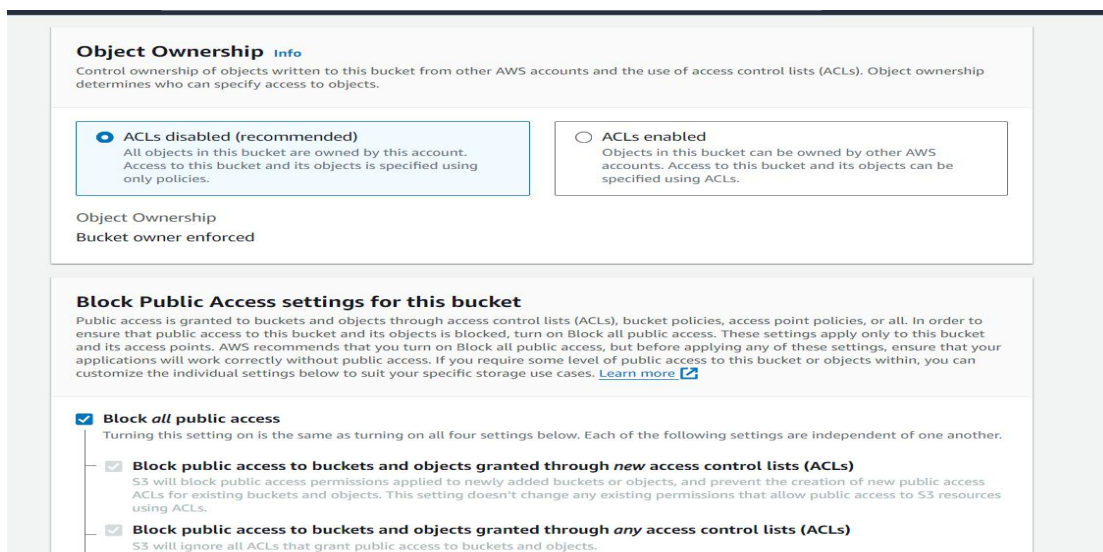
STEP2: CREATE A S3 bucket

Go to s3 and create a bucket

Name your bucket



No changes here



School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

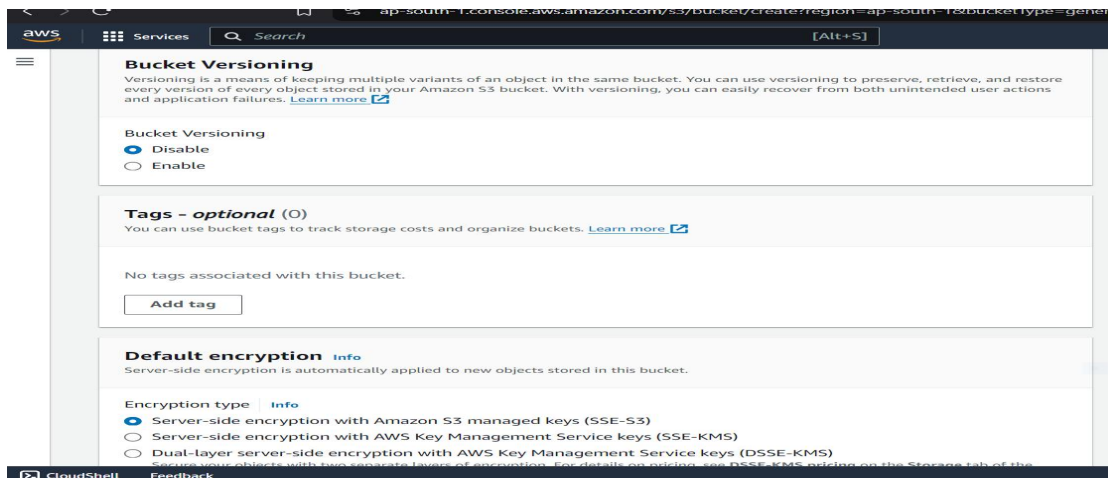
Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav

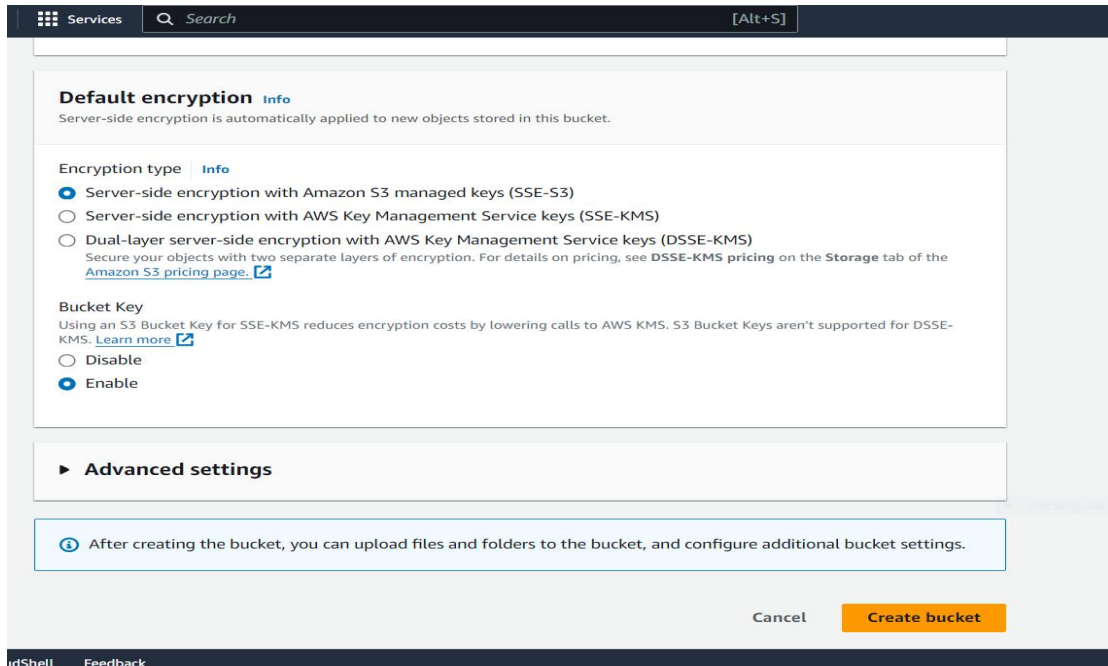
PRN: 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

No changes here



No changes

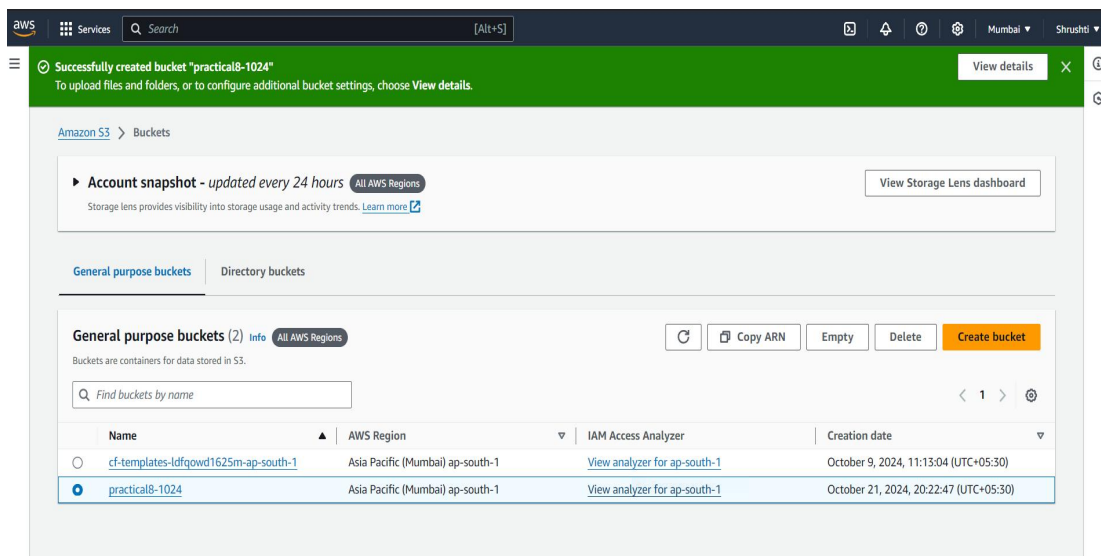


School of Computer Science, Engineering and Applications(SCSEA)
B.C.A. TY (SCSEA)
Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav **PRN:** 20220801024

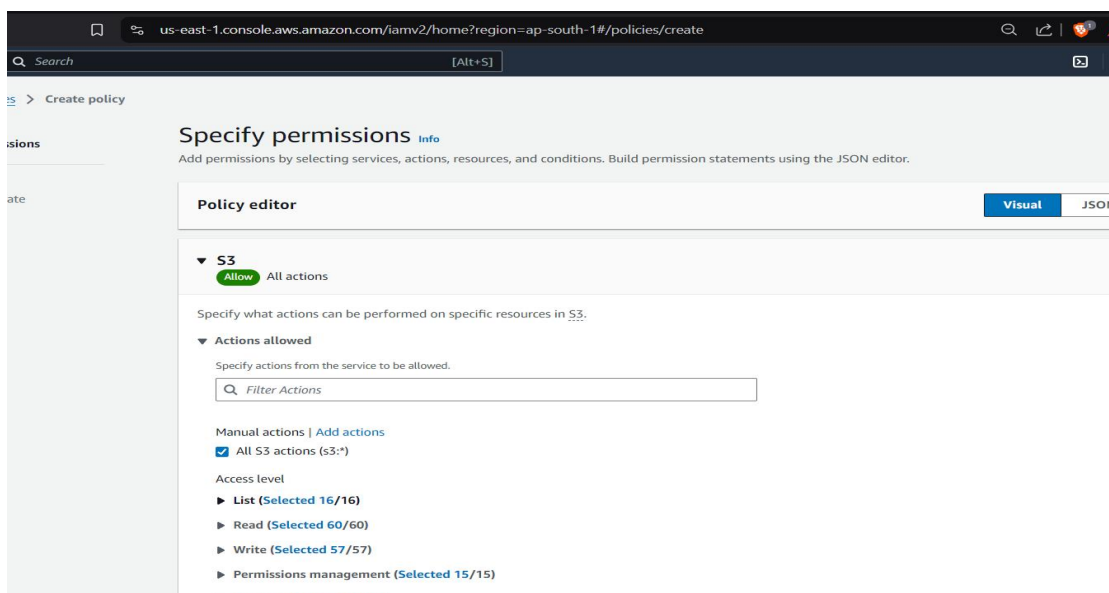
Title of Practicle : Export Amazon RDS DB Snapshot to S3

Create.



STEP3: CREATE IAM Policy and Role

Go to IAM and create policy ,Select s3 service ----- in action allow : all s3 actions

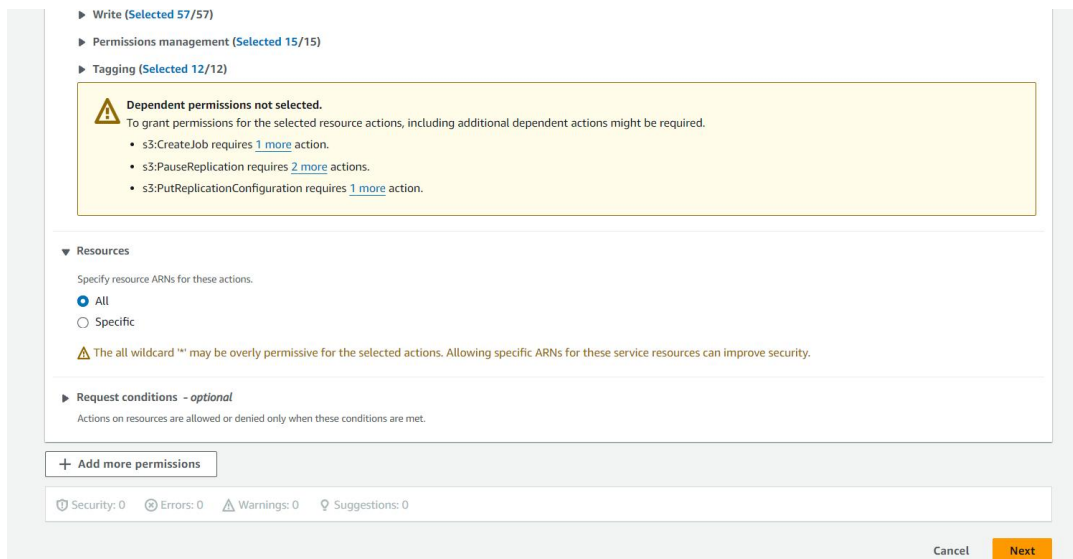


School of Computer Science, Engineering and Applications(SCSEA)
B.C.A. TY (SCSEA)
Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav **PRN:** 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

In resources allow: all



Write (Selected 57/57)

Permissions management (Selected 15/15)

Tagging (Selected 12/12)

Dependent permissions not selected.
To grant permissions for the selected resource actions, including additional dependent actions might be required.

- s3:CreateJob requires 1 [more](#) action.
- s3:PauseReplication requires 2 [more](#) actions.
- s3:PutReplicationConfiguration requires 1 [more](#) action.

Resources
Specify resource ARNs for these actions.

☒ All
☐ Specific

The all wildcard "*" may be overly permissive for the selected actions. Allowing specific ARNs for these service resources can improve security.

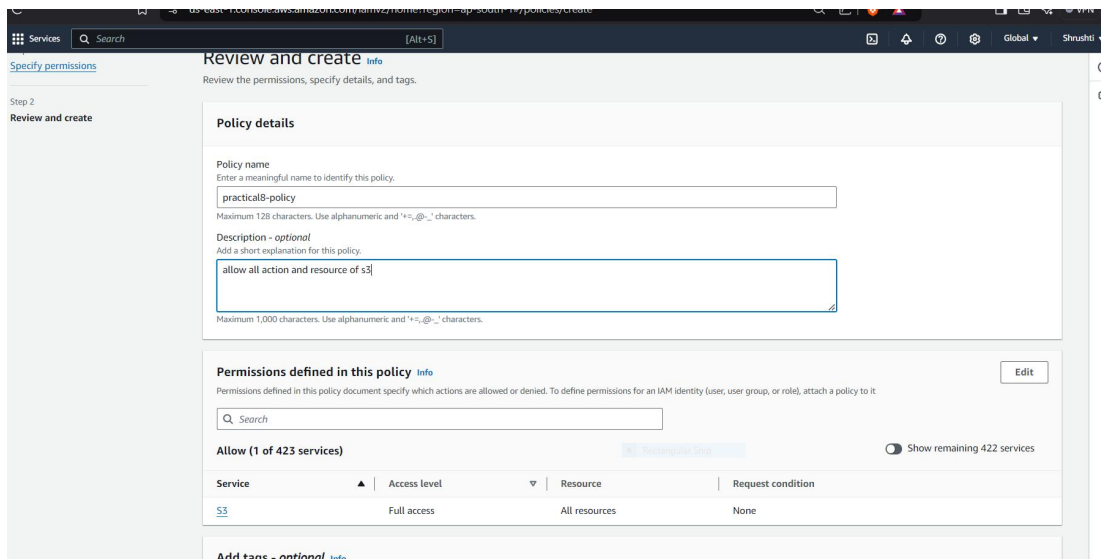
Request conditions - optional
Actions on resources are allowed or denied only when these conditions are met.

+ Add more permissions

Security: 0 Errors: 0 Warnings: 0 Suggestions: 0

Cancel Next

Name your policy , review and create



Review and create

Review the permissions, specify details, and tags.

Policy details

Policy name
Enter a meaningful name to identify this policy.
practical8-policy
Maximum 128 characters. Use alphanumeric and "+-./@_:" characters.

Description - optional
Add a short explanation for this policy.
allow all action and resource of s3
Maximum 1,000 characters. Use alphanumeric and "+-./@_:" characters.

Permissions defined in this policy

Permissions defined in this policy document specify which actions are allowed or denied. To define permissions for an IAM identity (user, user group, or role), attach a policy to it.

Search

Allow (1 of 423 services)

Service	Access level	Resource	Request condition
S3	Full access	All resources	None

Show remaining 422 services

Add tags - optional

School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav

PRN: 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

Permissions defined in this policy [info](#) [EDIT](#)

Permissions defined in this policy document specify which actions are allowed or denied. To define permissions for an IAM identity (user, user group, or role), attach a policy to it.

Allow (1 of 423 services) [Show remaining 422 services](#)

Service	Access level	Resource	Request condition
S3	Full access	All resources	None

Add tags - optional [Info](#)

Tags are key-value pairs that you can add to AWS resources to help identify, organize, or search for resources.

No tags associated with the resource. [Rectangular Snip](#)

[Add new tag](#)

You can add up to 50 more tags.

[Cancel](#) [Previous](#) [Create policy](#)

© 2024, Amazon Web Services, Inc. or its affiliates. [Privacy](#) [Terms](#) [Cookie preferences](#)

Created

Policy practical8-policy created. [View policy](#) [X](#)

[IAM](#) > [Policies](#)

Policies (1/1244) [Info](#) [Refresh](#) [Actions](#) [Delete](#) [Create policy](#)

A policy is an object in AWS that defines permissions.

Filter by Type: [Customer managed](#) 5 matches [<](#) 1 [>](#) [Settings](#)

Policy name	Type	Used as	Description
Amazon-EventBridge-Scheduler-E...	Customer managed	Permissions policy (1)	-
AWSLambdaBasicExecutionRole-7...	Customer managed	None	-
AWSLambdaBasicExecutionRole-b...	Customer managed	None	-
Cloudtrail-CW-access-policy-clou...	Customer managed	None	Policy for config CloudWathLogs for trail ...
practical8-policy	Customer managed	None	allow all action and resource of s3

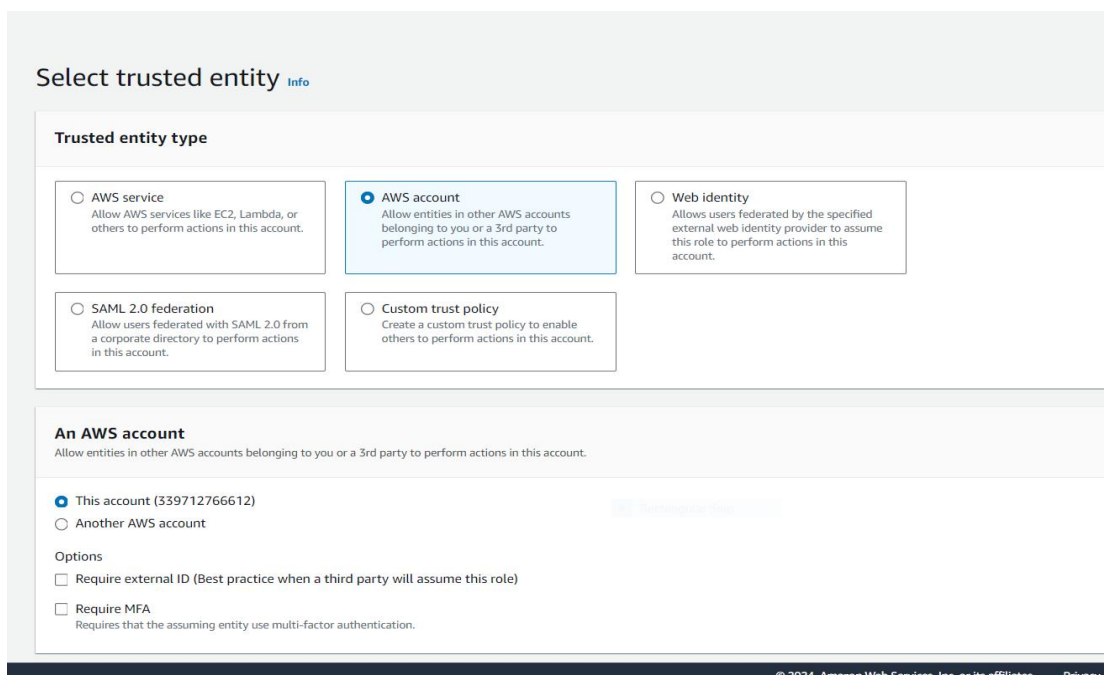
School of Computer Science, Engineering and Applications(SCSEA)
B.C.A. TY (SCSEA)
Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav **PRN:** 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

Go to roles and create role

Select aws account and select your current account.



Select trusted entity [Info](#)

Trusted entity type

- ☐ AWS service
Allow AWS services like EC2, Lambda, or others to perform actions in this account.
- ☒ AWS account
Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.
- ☐ Web identity
Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.
- ☐ SAML 2.0 federation
Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.
- ☐ Custom trust policy
Create a custom trust policy to enable others to perform actions in this account.

An AWS account
Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.

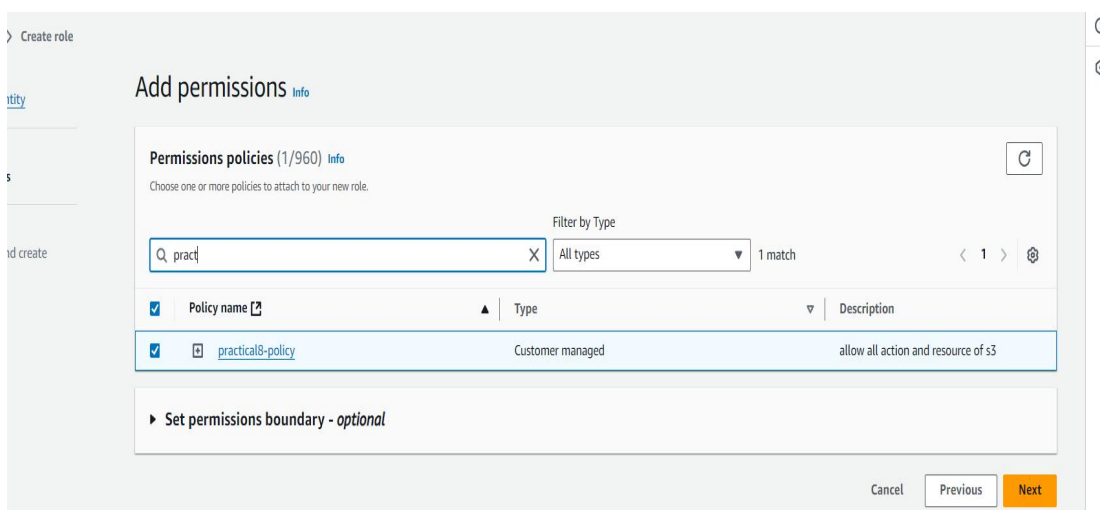
- ☒ This account (339712766612) [View permissions](#)
- ☐ Another AWS account

Options

- ☐ Require external ID (Best practice when a third party will assume this role)
- ☐ Require MFA
Requires that the assuming entity use multi-factor authentication.

© 2024, Amazon Web Services, Inc. or its affiliates. [Privacy](#)

For policy select newly created policy with s3 access



Create role

Add permissions [Info](#)

Permissions policies (1/960) [Info](#)

Choose one or more policies to attach to your new role.

Filter by Type

pract 1 match

<input checked="" type="checkbox"/>	Policy name	Type	Description
<input checked="" type="checkbox"/>	practical8-policy	Customer managed	allow all action and resource of s3

► Set permissions boundary - optional

Cancel Previous Next



School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav

PRN: 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

Name review and create

Name, review, and create

Role details

Role name
Enter a meaningful name to identify this role.

Maximum 64 characters. Use alphanumeric and '+', '@', '-' characters.

Description
Add a short explanation for this role.

Maximum 1000 characters. Use letters (A-Z and a-z), numbers (0-9), tabs, new lines, or any of the following characters: '_', '+', '@', '-', '/', '[', ']', '#', '\$', '%', '^', '&', '!', ':', ';', '<', '>', '=', '–', '—', '‘', '’', '“', '”', '„', '‟', '–', '—', '‘', '’', '“', '”', '„', '‟', '–', '—', '‘', '’', '“', '”', '„', '‟'.

Step 1: Select trusted entities

13

Step 2: Add permissions

Permissions policy summary

Policy name	Type	Attached as
practical8-policy	Customer managed	Permissions policy

Step 3: Add tags

Add tags - optional [Info](#)

Tags are key-value pairs that you can add to AWS resources to help identify, organize, or search for resources.

No tags associated with the resource.

[Add new tag](#)

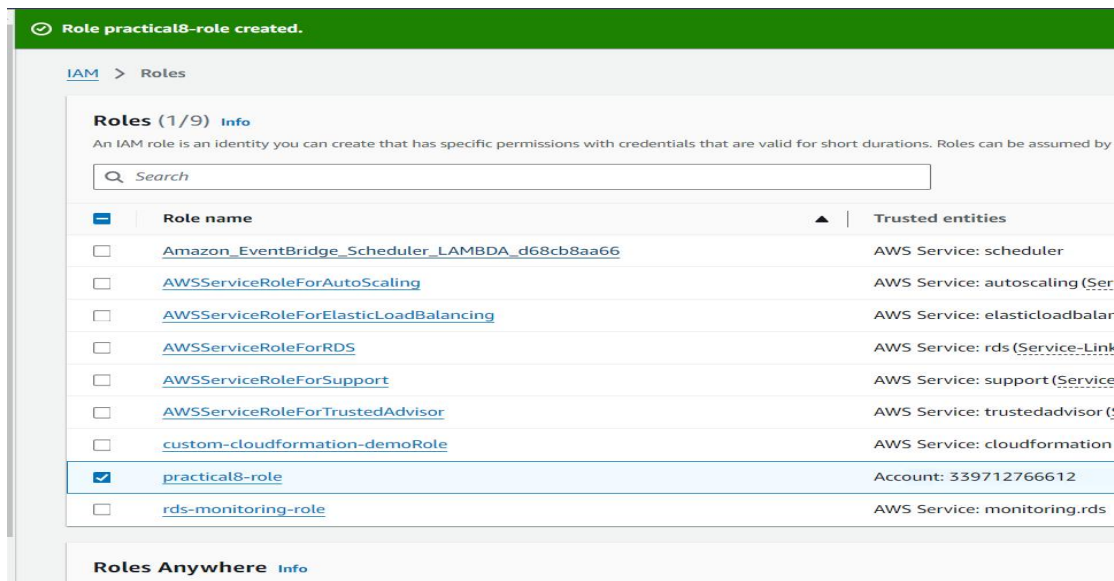
You can add up to 50 more tags.

[Cancel](#) [Previous](#) [Create role](#)

School of Computer Science, Engineering and Applications(SCSEA)
B.C.A. TY (SCSEA)
Subject: Advance Cloud Computing(ACC)

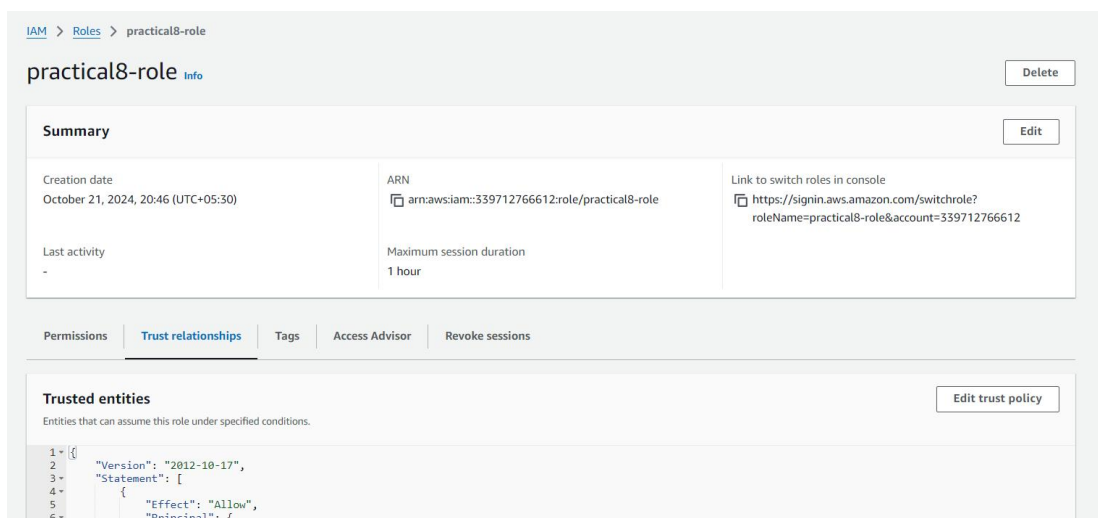
Name of the Student: Shrushti Krishna Shrivastav **PRN:** 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3



We have to do some changes in role for principal , steps are:

Select your role -- go to trust relationship -- edit trust policy





School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav

PRN: 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

Edit trust policy

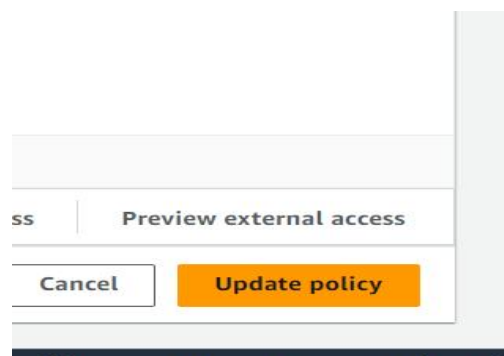
```
1 {  
2   "Version": "2012-10-17",  
3   "Statement": [  
4     {  
5       "Effect": "Allow",  
6       "Principal": {  
7         "AWS": "arn:aws:iam::339712766612:root",  
8         "Service": "export.rds.amazonaws.com"  
9       },  
10      "Action": "sts:AssumeRole",  
11      "Condition": {}  
12    }  
13  ]  
14 }
```

Changes are:

edit--- Principals: add a comma : , -- enter ---

“service”: “export.rds.amazonaws.com”

-- update policy





School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav

PRN: 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

STEP4: CREATE KMS key

Customer managed key

ys > Create key

Configure key

Key type [Help me choose](#)

☒ **Symmetric**
A single key used for encrypting and decrypting data or generating and verifying HMAC codes.

☐ **Asymmetric**
A public and private key pair used for encrypting and decrypting data, signing and verifying messages, or deriving shared secrets

Key usage [Help me choose](#)

☒ **Encrypt and decrypt**
Use the key only to encrypt and decrypt data.

☐ **Generate and verify MAC**
Use the key only to generate and verify hash-based message authentication codes (HMAC).

► **Advanced options**

Cancel **Next**

Create key

Add labels

Alias
You can change the alias at any time. [Learn more](#)

Alias
prac8-1024-s3

Description - optional
You can change the description at any time.

Description
Description of the key

Tags - optional



School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav

PRN: 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

> Create key

Define key administrative permissions

Key administrators (1/10)
Choose the IAM users and roles who can administer this key through the KMS API. You may need to add additional permissions for the users or roles to administer this key from this console. [Learn more](#)

Q X 1 matches < 1 >

<input checked="" type="checkbox"/>	Name	Path	Type
<input checked="" type="checkbox"/>	practical8-role	/	Role

Key deletion

☒ Allow key administrators to delete this key.

Cancel Previous Next

> Create key

Define key usage permissions

Key users (1/10)
Select the IAM users and roles that can use the KMS key in cryptographic operations. [Learn more](#)

Q X 1 matches < 1 >

<input checked="" type="checkbox"/>	Name	Path	Type
<input checked="" type="checkbox"/>	practical8-role	/	Role

Other AWS accounts

Specify the AWS accounts that can use this key. Administrators of the accounts you specify are responsible for managing the permissions that allow their IAM users and roles to use this key. [Learn more](#)

Cancel Previous Next

Key policy
To change this policy, return to previous steps or edit the text here.

```
1 [{"id": "key-consolepolicy-3",
2   "version": "2012-10-17",
3   "statement": [
4     {
5       "sid": "Enable IAM User Permissions",
6       "effect": "Allow",
7       "principal": {
8         "AWS": "arn:aws:iam::339712766612:root"
9       },
10      "action": "kms:*",
11      "resource": "*"
12    },
13    {
14      "sid": "Allow access for Key Administrators",
15      "effect": "Allow",
16      "principal": {
17        "AWS": "arn:aws:iam::339712766612:role/practical8-role"
18      },
19      "action": [
20        "kms:Create*",
21        "kms:Describe*",
22        "kms:Enable*",
23        "kms:List*"
24      ]
25    }
26  ]
27 }]
```

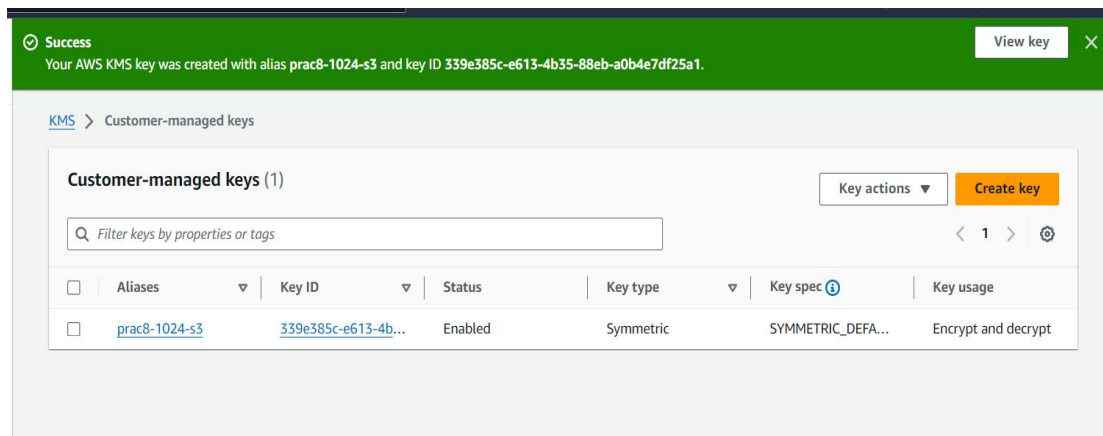
JSON Ln 1, Col 1 Errors: 0 Warnings: 0

Cancel Previous Finish

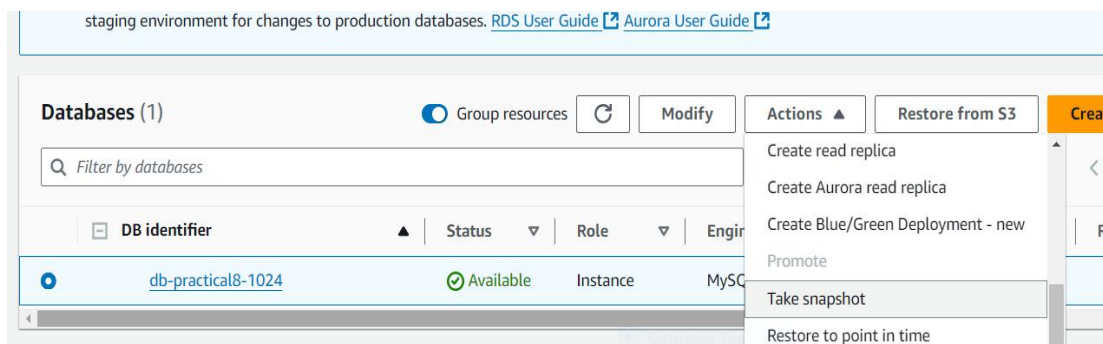
School of Computer Science, Engineering and Applications(SCSEA)
B.C.A. TY (SCSEA)
Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav **PRN:** 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3



STEP5: GO to RDS again and take a snapshot of your instance



Take DB Snapshot

Preferences

To take a DB Snapshot, choose a database and name your DB Snapshot.

Snapshot type

☒ DB instance

☐ DB cluster

DB instance

DB Instance Identifier. This is the unique key that identifies a DB Instance.

[db-practical8-1024](#)

Snapshot name

Identifier for the DB Snapshot.

[prac8-1024-snapshot](#)

Snapshot identifier is case insensitive, but stored as all lower-case, as in "mysnapshot". Cannot be null, empty, or blank. Must contain from 1 to 255 alphanumeric characters or hyphens. First character must be a letter. Cannot end with a hyphen or contain two consecutive hyphens.

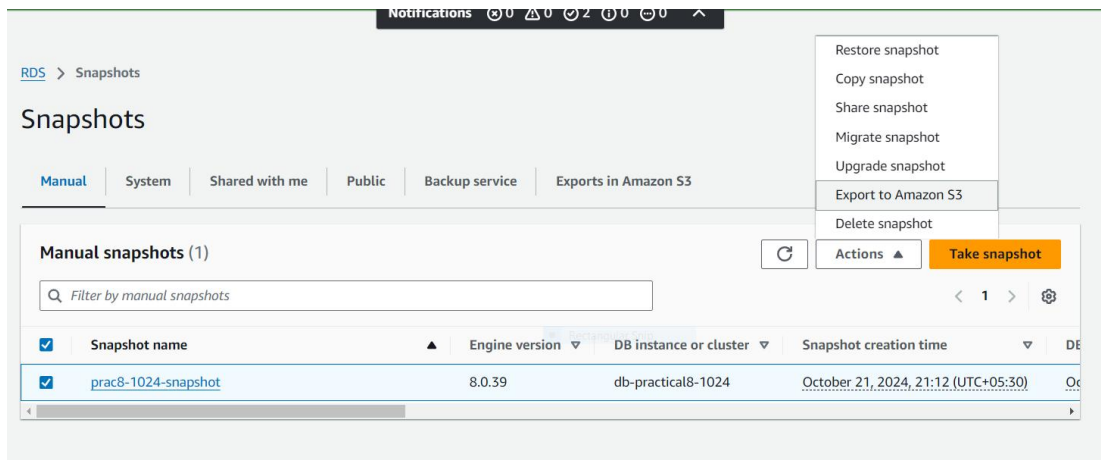
Cancel Take snapshot

School of Computer Science, Engineering and Applications(SCSEA)
B.C.A. TY (SCSEA)
Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav **PRN:** 20220801024

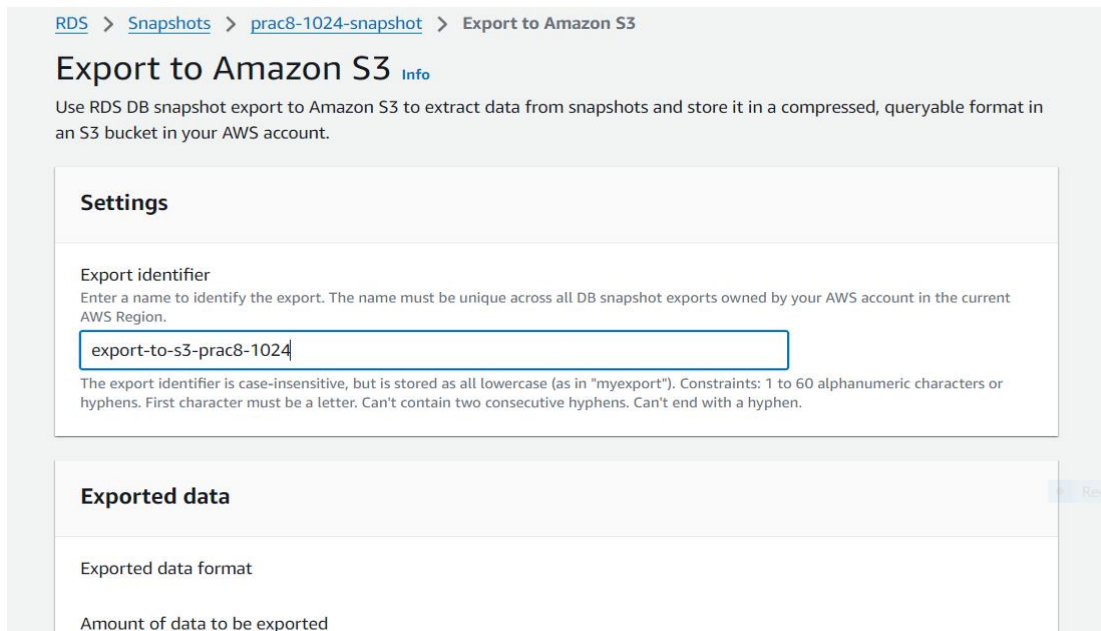
Title of Practicle : Export Amazon RDS DB Snapshot to S3

Now , select your snapshot --- export to s3 --



The screenshot shows the AWS RDS Snapshots console. The 'Manual snapshots (1)' tab is selected. A table lists the snapshots:

Snapshot name	Engine version	DB instance or cluster	Snapshot creation time
prac8-1024-snapshot	8.0.39	db-practical8-1024	October 21, 2024, 21:12 (UTC+05:30)



The screenshot shows the 'Export to Amazon S3' settings page. The 'Export identifier' field is filled with 'export-to-s3-prac8-1024'. The 'Exported data' section is partially visible.

Settings

Export identifier
Enter a name to identify the export. The name must be unique across all DB snapshot exports owned by your AWS account in the current AWS Region.

export-to-s3-prac8-1024

The export identifier is case-insensitive, but is stored as all lowercase (as in "myexport"). 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.

Exported data

Exported data format

Amount of data to be exported



School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav

PRN: 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

Exported data

Exported data format

Amount of data to be exported

The data to be exported is what is available when the export was started.

☒ All (20 GB)
All data in the database is exported.

☐ Partial
Part of the database is exported. You can define which part by using identifiers.

S3 destination

S3 bucket

practical8-1024

S3 prefix - optional [Info](#)

To group objects in a bucket, S3 uses a prefix before object names. The forward slash (/) in the prefix represents a folder. For example, use the prefix exports/2019 for a 2019 folder in an exports folder. RDS will append the prefix with a "/".

IAM role

IAM role

IAM role

Choose or create an IAM role to grant write access to your S3 bucket.

practical8-role

Encryption

AWS KMS key [Info](#)

prac8-1024-s3

Account

339712766612

KMS key ID

339e385c-e613-4b35-88eb-a0b4e7df25a1

Pricing details

For snapshot data export to Amazon S3, the cost of exporting snapshot data is based on the snapshot size. [Learn](#)

key ID

385c-e613-4b35-88eb-a0b4e7df25a1

Pricing details

For snapshot data export to Amazon S3, the cost of exporting snapshot data is based on the snapshot size. [Learn more](#)

Additional charges apply for storing exported data in Amazon S3. [Learn more](#)

Cancel

Export to Amazon S3



School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav

PRN: 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

Check status once its completed check s3

The screenshot shows the AWS RDS console page for an export job named 'export-to-s3-prac8-1024'. The breadcrumb navigation is 'RDS > Snapshots > prac8-1024-snapshot > export-to-s3-prac8-1024'. The job title is 'export-to-s3-prac8-1024'. Under the heading 'Export in Amazon S3', the following details are listed: Export identifier 'export-to-s3-prac8-1024', Source 'prac8-1024-snapshot', ARN 'arn:aws:rds:ap-south-1:339712766612:snapshot:prac8-1024-snapshot', and Status 'Starting' with a circular arrow icon.

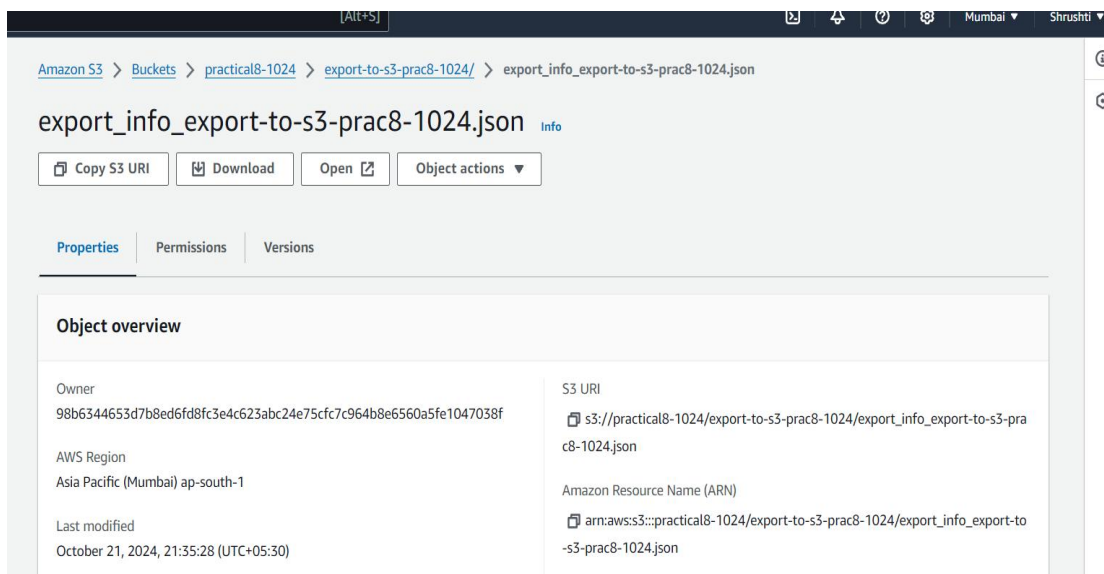
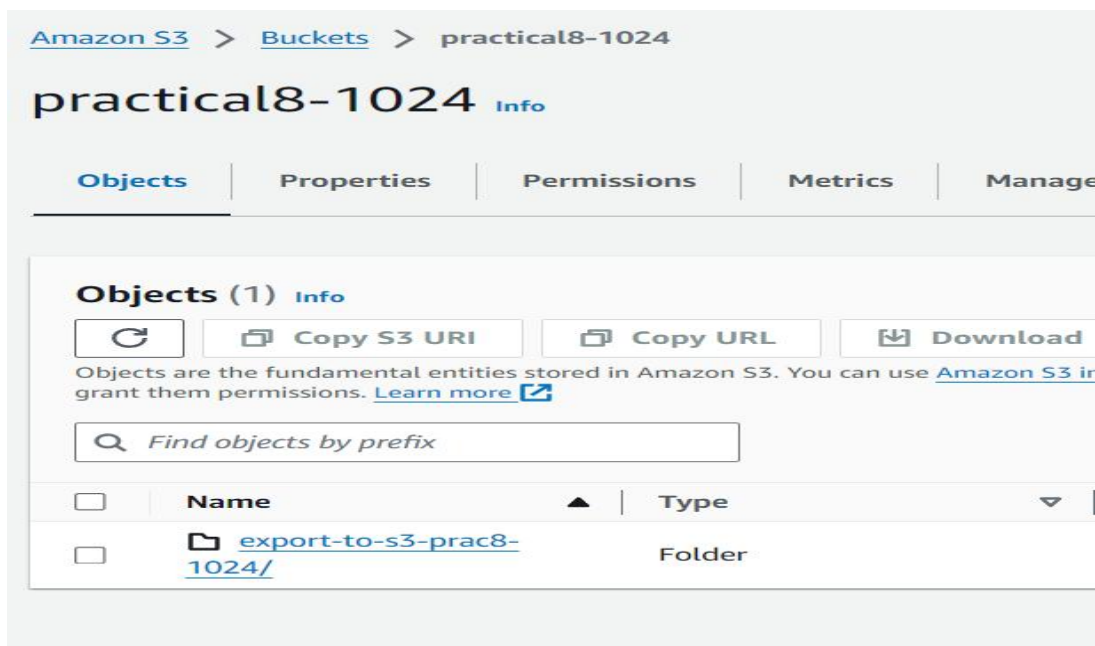
The screenshot shows the same AWS RDS console page for the export job 'export-to-s3-prac8-1024'. The breadcrumb navigation is 'RDS > Exports in Amazon S3 > export-to-s3-prac8-1024'. The job title is 'export-to-s3-prac8-1024'. Under the heading 'Export in Amazon S3', the following details are listed: Export identifier 'export-to-s3-prac8-1024', Source type 'Snapshot', Source 'prac8-1024-snapshot', ARN 'arn:aws:rds:ap-south-1:339712766612:snapshot:prac8-1024-snap', and Status 'Complete' with a green checkmark icon.

School of Computer Science, Engineering and Applications(SCSEA)
B.C.A. TY (SCSEA)
Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav **PRN:** 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

Check s3 if snapshot is exported or not?





School of Computer Science, Engineering and Applications(SCSEA)

B.C.A. TY (SCSEA)

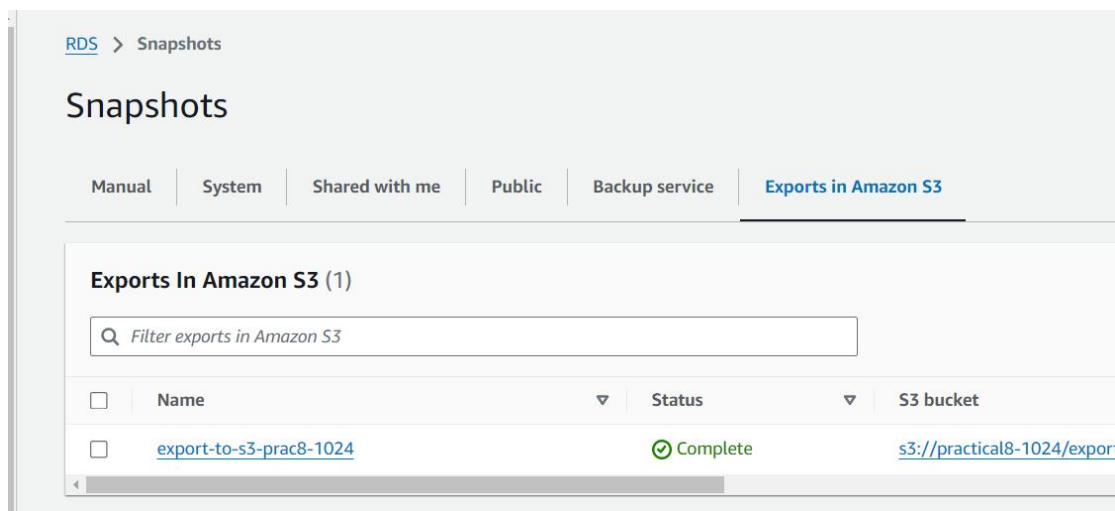
Subject: Advance Cloud Computing(ACC)

Name of the Student: Shrushti Krishna Shrivastav

PRN: 20220801024

Title of Practicle : Export Amazon RDS DB Snapshot to S3

Cross verify from snapshot to check if its exported in s3.



Done.

Deletion:

del_snapshot

del_database

empty_bkt

del_bkt

del_policy

del_role

del_kms-key

Done.