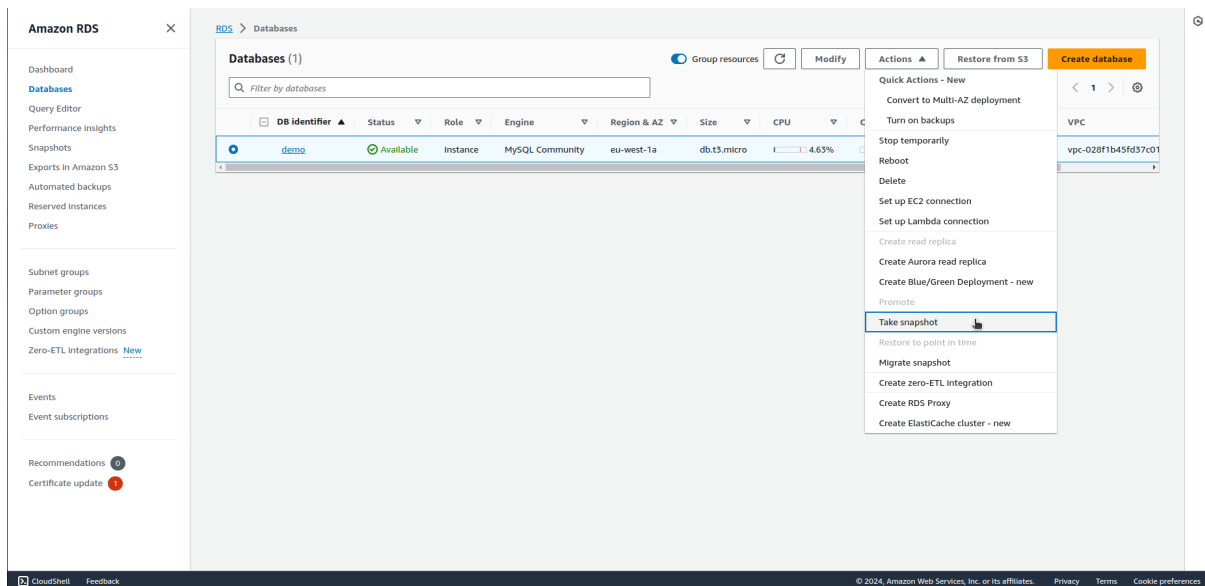


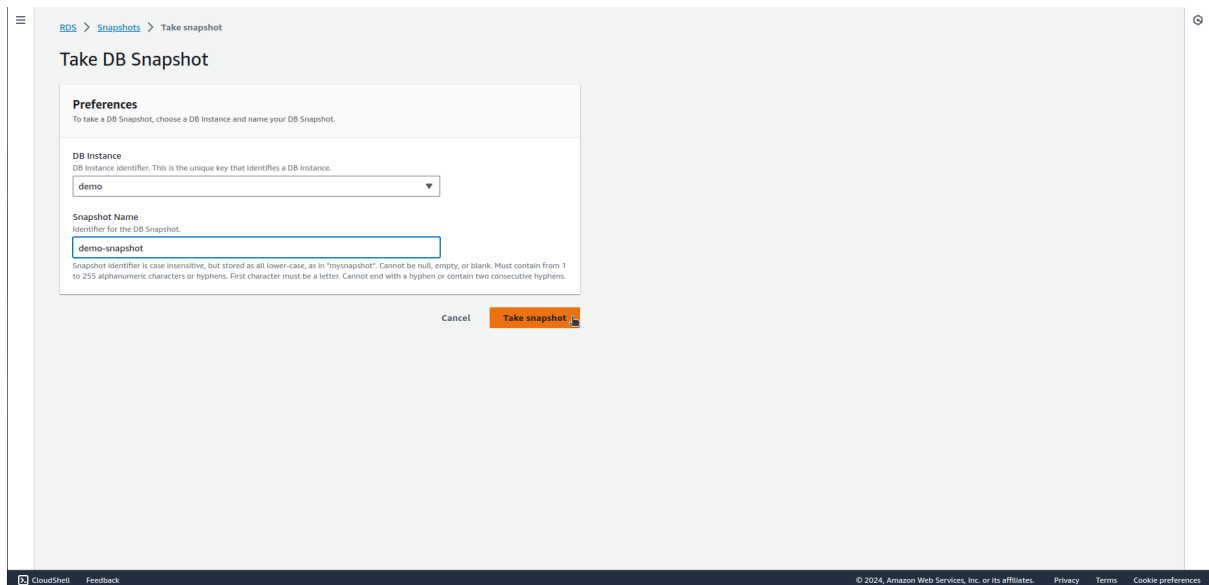
How to encrypt existing RDS instance and move it to private subnets

Taking a snapshot of RDS instance.

1. Open AWS Console and Navigate to the Amazon RDS Service.
2. On the left side pane, click on "Databases", select database that You want to take snapshot of, click on "Actions" and then on "Take snapshot".



3. Give the snapshot name and click on “Take snapshot”.



Take DB Snapshot

Preferences
To take a DB Snapshot, choose a DB Instance and name your DB Snapshot.

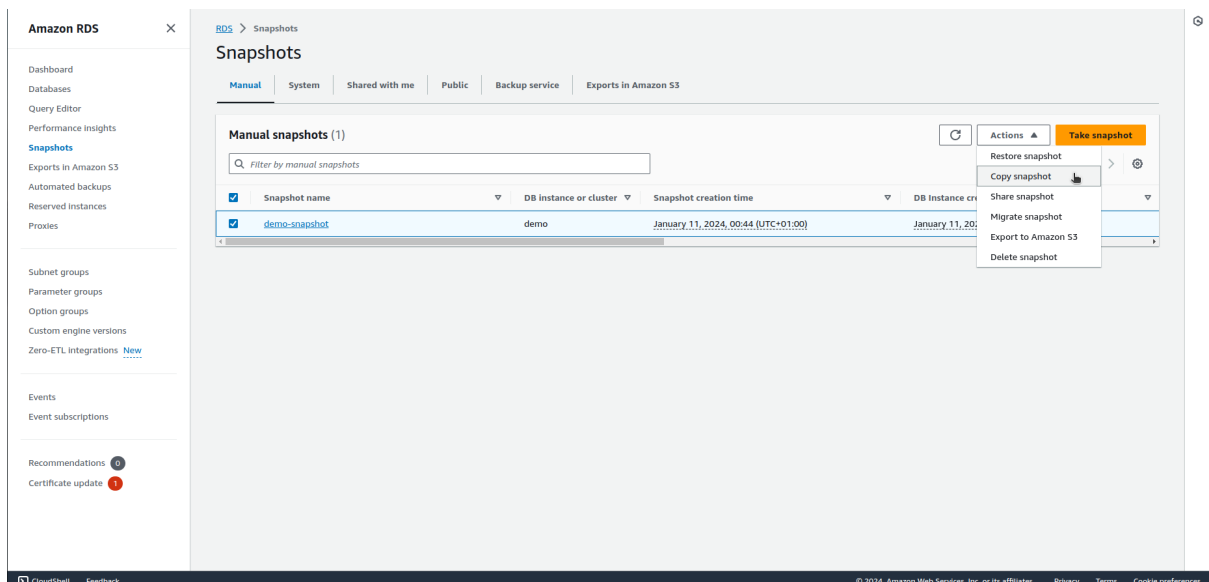
DB Instance
DB Instance identifier. This is the unique key that identifies a DB Instance.
demo

Snapshot Name
Identifier for the DB Snapshot.
demo-snapshot

Cancel Take snapshot

Encrypting the snapshot

1. On the left side pane, click on "Snapshots", select the newly created snapshot, click on “Actions” button and select “Copy snapshot”.



Amazon RDS

Dashboard
Databases
Query Editor
Performance Insights
Snapshots
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Snapshots

Manual System Shared with me Public Backup service Exports in Amazon S3

Manual snapshots (1)

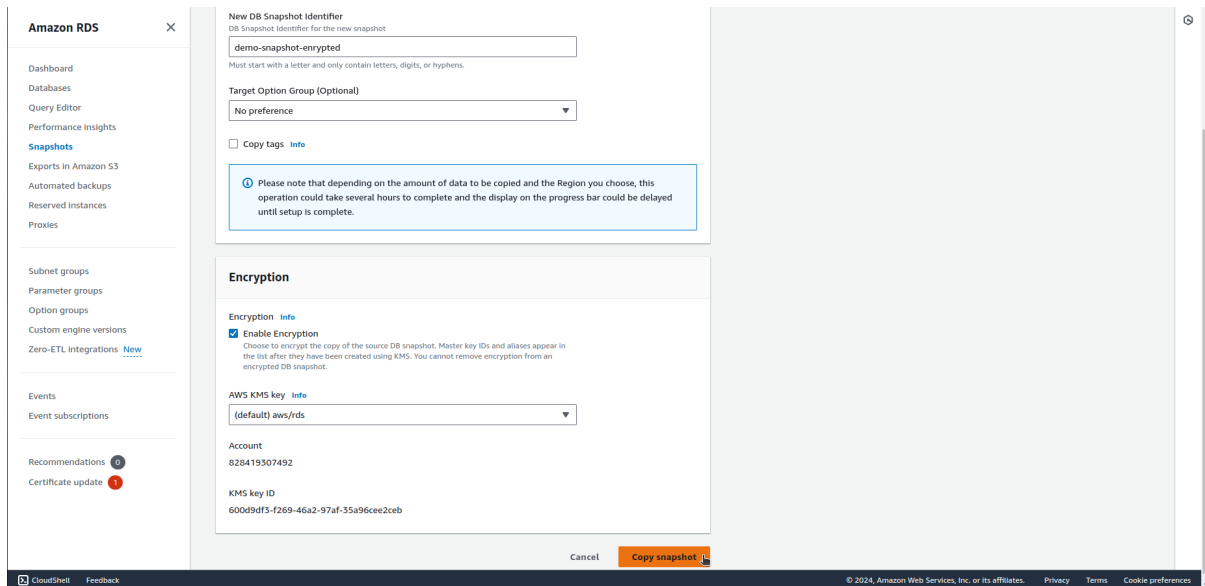
Filter by manual snapshots

<input checked="" type="checkbox"/>	Snapshot name	DB instance or cluster	Snapshot creation time	DB instance creation time
<input checked="" type="checkbox"/>	demo-snapshot	demo	January 11, 2024, 00:44 (UTC+01:00)	January 11, 2024, 00:44 (UTC+01:00)

Actions

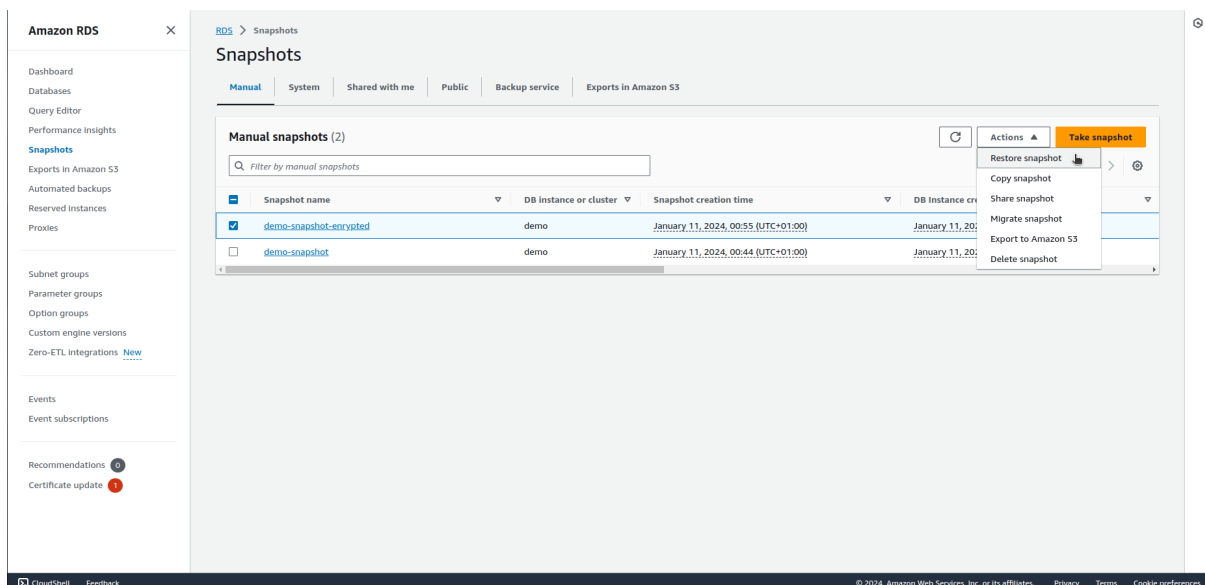
- Restore snapshot
- Copy snapshot
- Share snapshot
- Migrate snapshot
- Export to Amazon S3
- Delete snapshot

2. Select region, give Your new, encrypted snapshot a name, select the “Enable encryption” checkbox and click on “Copy snapshot”.



Restoring encrypted RDS instance from the snapshot

1. Once again, on the left side pane, click on "Snapshots", select the newly created, encrypted snapshot, click on the "Actions" button at the top of the snapshot list. From the drop-down menu, choose "Restore Snapshot."

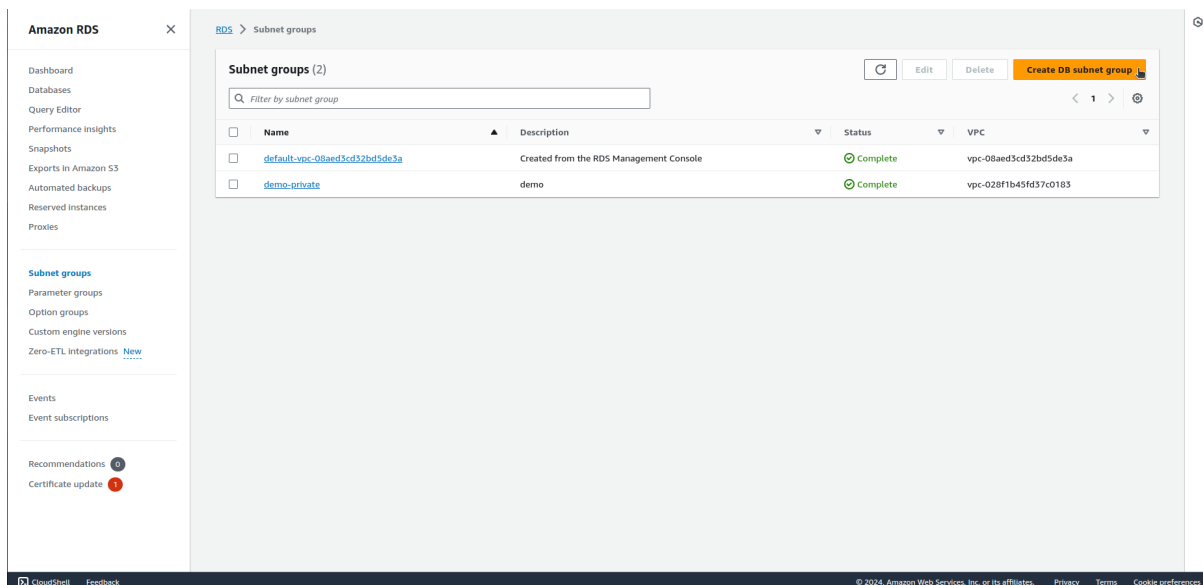


2. Set all the RDS setting as You need or the same, as in the old unencrypted instance. Scroll down to the bottom of the page to review your configurations and click on the "Restore DB instance" button.

Moving RDS instance to private subnets

RDS instance subnet group cannot be changed for another subnet group in the same VPC. In order to move the instance to private subnets in the same VPC, You have to follow the restoring process described above. But first You have to create subnet group with private subnets only.

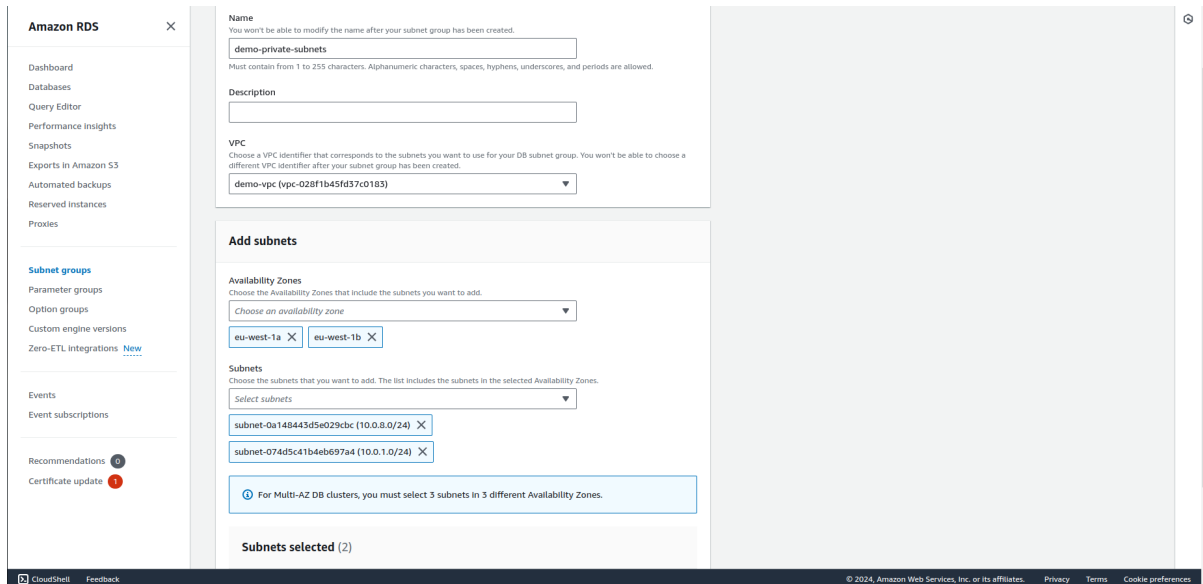
1. On the left side pane, click on "Subnets groups" and then on "Create DB subnet group" in the upper right corner.



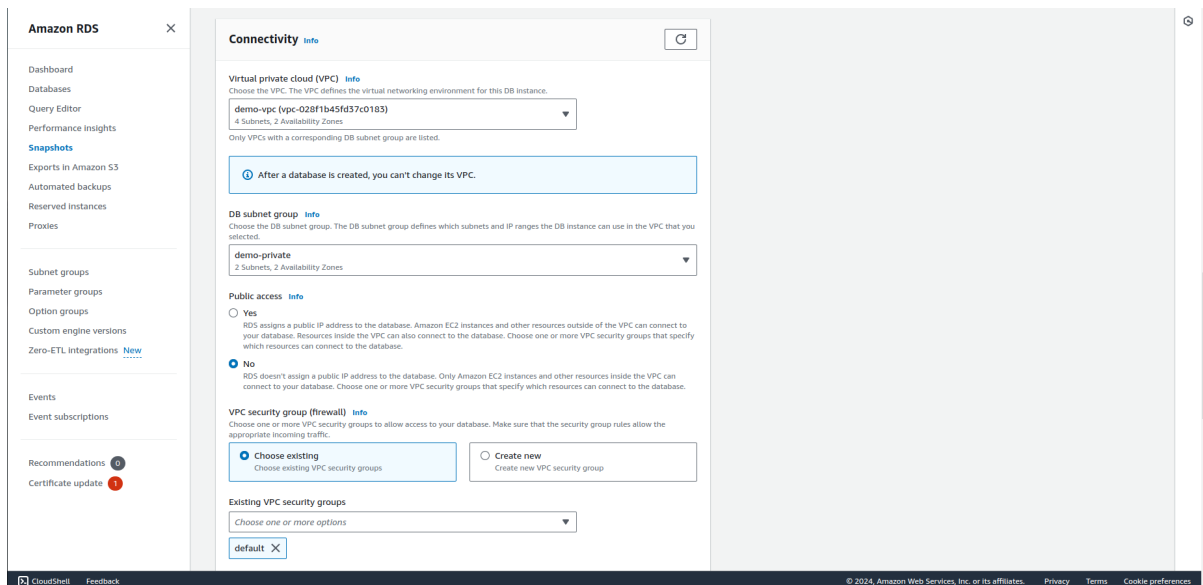
The screenshot shows the Amazon RDS console interface for Subnet groups. The left sidebar contains navigation links for various RDS features. The main content area displays a table of existing subnet groups.

Name	Description	Status	VPC
default-vpc-08aed3cd32bd5de3a	Created from the RDS Management Console	Complete	vpc-08aed3cd32bd5de3a
demo-private	demo	Complete	vpc-028f1b45fd37c0183

2. Give the group a name, select VPC, availability zones, private subnets and click on “Create” at the bottom of the page.



3. When restoring RDS, in “Connectivity” section, choose VPC, newly created subnet group, disable public access and select security groups.



4. Restore the instance.