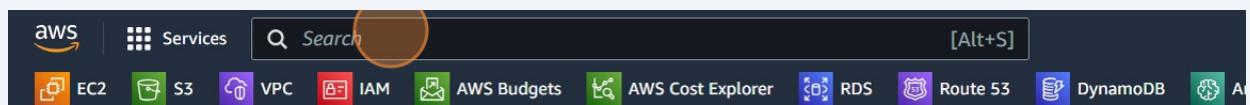


EBS Snapshot (create, copy and restore)

Create snapshot

- 1 Navigate to aws.amazon.com

- 2 Click the "Search" field.



Console Home [Info](#)

Recently visited [Info](#)

EC2	Amazon Rekognition
Amazon Textract	Billing
AWS Budgets	AWS Resource Explorer
Amazon Forecast	CodeStar
Amazon Comprehend	CodePipeline
Amazon Polly	

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- 3 Type "EC2"

4 Click "EC2"

The screenshot shows the AWS Management Console search results for the query 'ec2'. The search bar at the top contains 'ec2'. Below it, a message says 'Search results for 'ec2'' and 'Try searching with longer queries for more relevant results'. A sidebar on the left lists 'Recently viewed' services: EC2, Amazon Te, AWS Budget, Amazon Fo, Amazon Co, Amazon Po, and others. The main area is titled 'Services' and shows 'Services (13)'. It includes links for Features (54), Resources (New), Documentation (33,710), Knowledge Articles (20), Marketplace (3,140), Blogs (2,058), Events (30), and Tutorials (21). A prominent card for 'EC2' is highlighted with a yellow circle, showing 'Virtual Servers in the Cloud'. Other cards include 'EC2 Image Builder' and 'Recycle Bin'.

5 Click "Volumes"

The screenshot shows the AWS EC2 Volumes page. The top navigation bar includes links for EC2, S3, VPC, IAM, AWS Budgets, AWS Cost Explorer, RDS, Route 53, DynamoDB, and other services. On the left, a sidebar menu is open, showing 'Images' (AMIs, AMI Catalog), 'Elastic Block Store' (Volumes, Snapshots, Lifecycle Manager), 'Network & Security' (Security Groups, Elastic IPs, Placement Groups, Key Pairs), and 'Compute' (Dedicated Hosts, Capacity Reservations). The 'Volumes' link under 'Elastic Block Store' is highlighted with a yellow circle. The main content area is titled 'Resources' and displays a summary of Amazon EC2 resources in the Europe (Frankfurt) Region. It shows 0 instances (running), 0 dedicated hosts, 0 instances, 0 load balancers, 8 security groups, and 1 volume. There is also a 'EC2 Global view' button.

6 Click this checkbox.

The screenshot shows the AWS Management Console with the search bar at the top. Below it, the navigation bar includes services like EC2, S3, VPC, IAM, AWS Budgets, AWS Cost Explorer, RDS, Route 53, DynamoDB, and others. On the left, a sidebar lists categories: AMIS, Elastic Block Store (with Volumes selected), Network & Security, and Load Balancing. The main content area displays a table titled "Volumes (1) Info". The table has columns: Name, Volume ID, Type, and Size. A single row is shown with a Name of "-", Volume ID of "vol-0397207347ac0ecd6", Type of "gp2", and Size of "2 GiB". The first column contains a checkbox, which is highlighted with a red circle.

7 Check "Volume state"

The screenshot shows the AWS Management Console with the search bar at the top. Below it, the navigation bar includes services like EC2, S3, VPC, IAM, AWS Budgets, AWS Cost Explorer, RDS, Route 53, DynamoDB, and others. On the left, a sidebar lists categories: AMIS, Elastic Block Store (with Volumes selected), Network & Security, and Load Balancing. The main content area displays a table titled "Volume ID: vol-0397207347ac0ecd6". The table has tabs for Details, Status checks, Monitoring, and Tags. Under the Details tab, there are several fields: Volume ID (vol-0397207347ac0ecd6), Size (2 GiB), Volume state (Available, highlighted with a red circle), Type (gp2), IOPS (100), and KMS key alias. The status bar at the bottom right says "© 2023, Amazon Web Services".

8 Check "Volume status"

The screenshot shows the AWS CloudWatch Metrics console. At the top, there is a table with columns: Type, Size, IOPS, Throughput, and Snapshot. A single row is visible, showing 'gp2' for Type, '2 GiB' for Size, '100' for IOPS, and '-' for Throughput and Snapshot. Below the table is a 'Tags' section. On the right side of the screen, there is a detailed view of the volume status for the 'gp2' volume. It shows the following details:

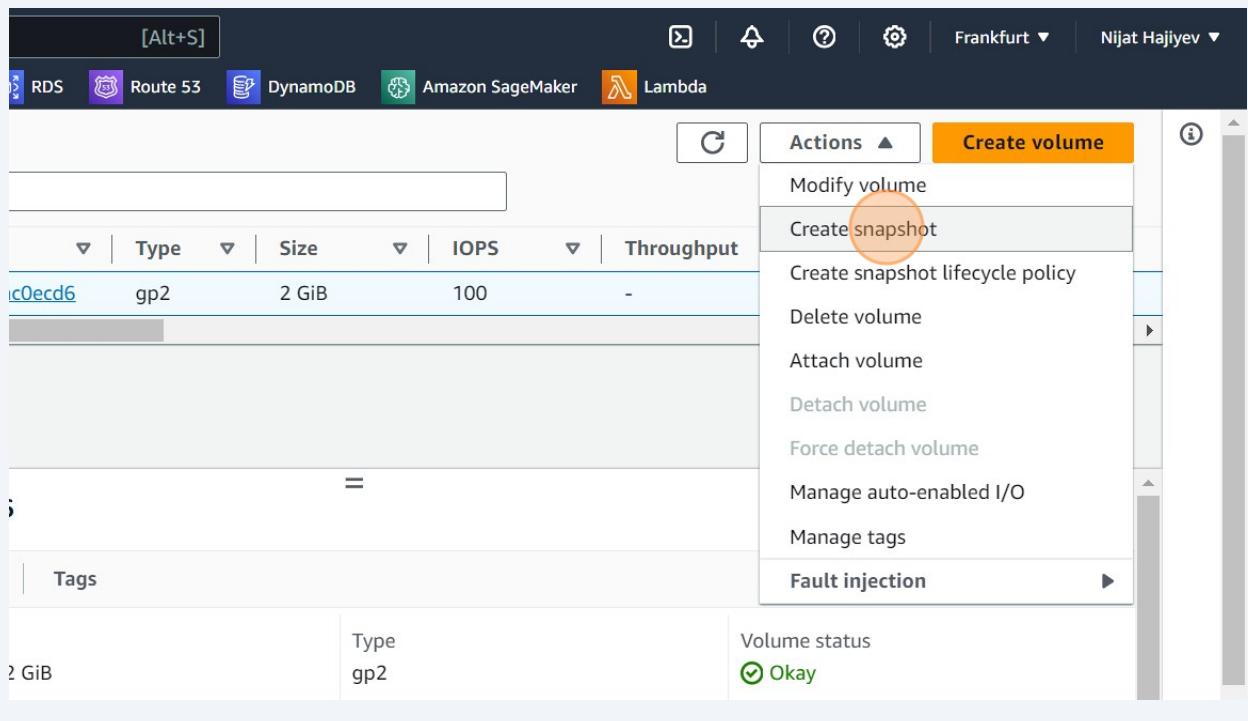
Volume status	Value
Type	gp2
IOPS	100
Throughput	-
KMS key alias	
KMS key ARN	

A green checkmark icon with the text 'Okay' is displayed next to the volume status. A blue circular button is located on the far right.

9 Click here.

The screenshot shows the AWS CloudWatch Metrics console. The interface is similar to the previous one, with a table at the top and a 'Tags' section below. However, the 'Actions' dropdown menu is now open, with a yellow background and a downward arrow. A blue circular button is located on the far right.

10 Click "Create snapshot"

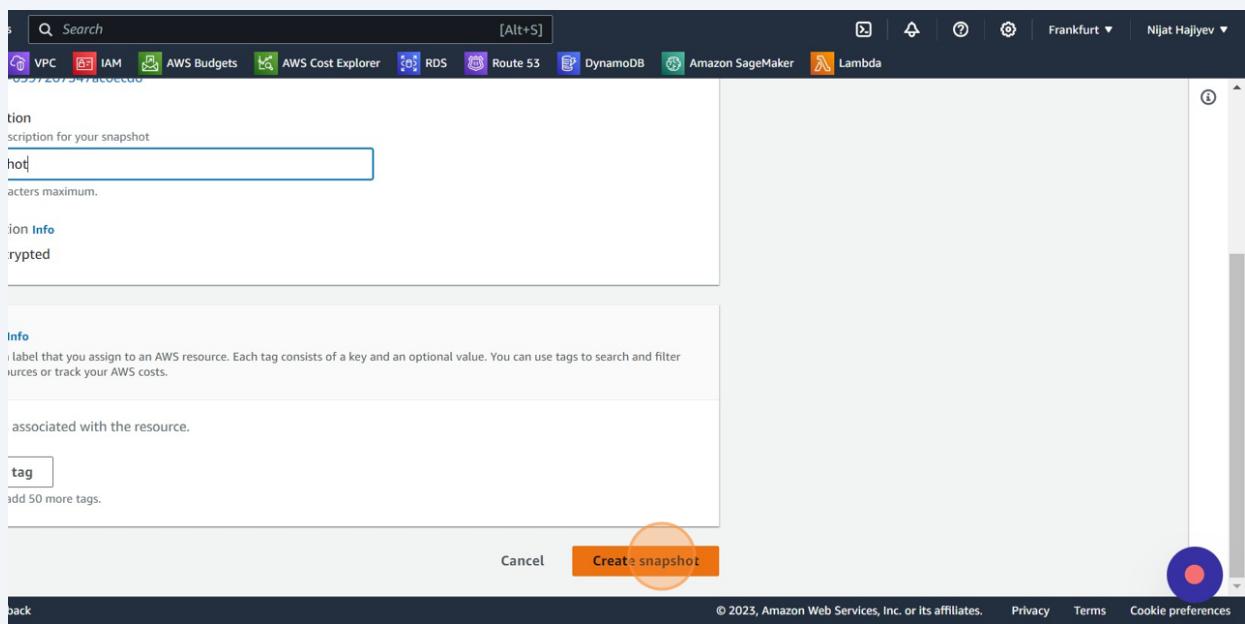


11 Click the "Description" field.

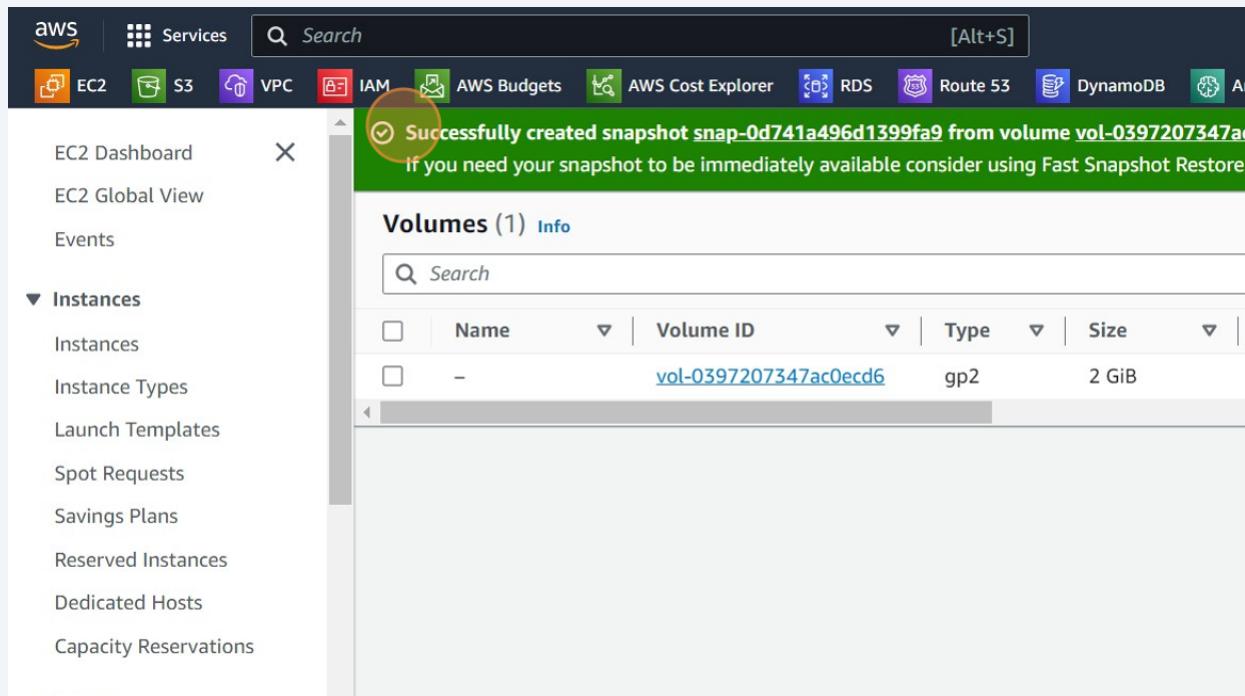
The screenshot shows the 'Create Snapshot' wizard. The first step, 'Details', is selected. It contains fields for 'Volume ID' (vol-0397207347ac0ecd6) and 'Description'. The 'Description' field is a text input box with placeholder text 'Add a description for your snapshot'. A red circle highlights the top-left corner of this input box. Below the input box is a note: '255 characters maximum.' Further down are sections for 'Encryption' (Info) and 'Tags' (Info). At the bottom of the page are buttons for 'CloudShell' and 'Feedback'.

12 Type "Snapshot"

13 Click "Create snapshot"



14 Check notification



15 Click "Snapshots"

The screenshot shows the AWS Management Console interface. On the left, there is a navigation sidebar with the following menu items:

- Dedicated Hosts
- Capacity Reservations
- Images**
 - AMIs
 - AMI Catalog
- Elastic Block Store**
 - Volumes**
 - Snapshots** (This item is highlighted with an orange circle)
 - Lifecycle Manager
- Network & Security**
 - Security Groups
 - Elastic IPs
 - Placement Groups
 - Key Pairs
 - Network Interfaces

The main content area displays a success message: "Successfully created snapshot snap-0d741a496d1399fa9 from volume vol-0397207347ac0ecd6". Below this message, there is a table titled "Volumes (1) Info" with one row of data:

Name	Volume ID	Type	Size
-	vol-0397207347ac0ecd6	gp2	2 GiB

16 Click this checkbox.

The screenshot shows the AWS Management Console interface. On the left, there is a navigation sidebar with the following menu items:

- Dedicated Hosts
- Capacity Reservations
- Images**
 - AMIs
 - AMI Catalog
- Elastic Block Store**
 - Volumes
 - Snapshots** (This item is highlighted with an orange circle)
 - Lifecycle Manager
- Network & Security**
 - Security Groups
 - Elastic IPs
 - Placement Groups

The main content area displays a success message: "Successfully created snapshot snap-0d741a496d1399fa9 from volume vol-0397207347ac0ecd6". Below this message, there is a table titled "Snapshots (1) Info" with one row of data. The first column contains a checkbox, which is highlighted with an orange circle.

Name	Snapshot ID	Volume size	Description
-	snap-0d741a496d1399fa9	2 GiB	Snapshot

17 Check "Progress"

The screenshot shows the AWS CloudFormation console with a search bar at the top. Below it is a table with columns: Snapshot ID, Volume size, and Description. A single row is visible, showing a Snapshot ID of [snap-0d741a496d1399fa9](#), a Volume size of 2 GiB, and a Description of Snapshot. Below the table, there's a large orange circle highlighting the 'Progress' section of the detailed view for the snapshot.

Snapshot ID	Volume size	Description
snap-0d741a496d1399fa9	2 GiB	Snapshot

ap-0d741a496d1399fa9

Actions Storage tier Tags

Volume size 2 GiB	Progress Available (100%)	Snapshot status Completed
Volume ID vol-0397207347ac0ecd6	Started Tue Oct 31 2023 10:51:24 GMT+0100 (Central European Standard Time)	Product codes -

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18 Check "Snapshot status"

The screenshot shows the AWS CloudFormation console with a search bar at the top. Below it is a table with columns: Volume size and Description. A single row is visible, showing a Volume size of 2 GiB and a Description of Snapshot. Below the table, there's a large orange circle highlighting the 'Snapshot status' section of the detailed view for the snapshot.

Volume size	Description
1399fa9	2 GiB

1399fa9

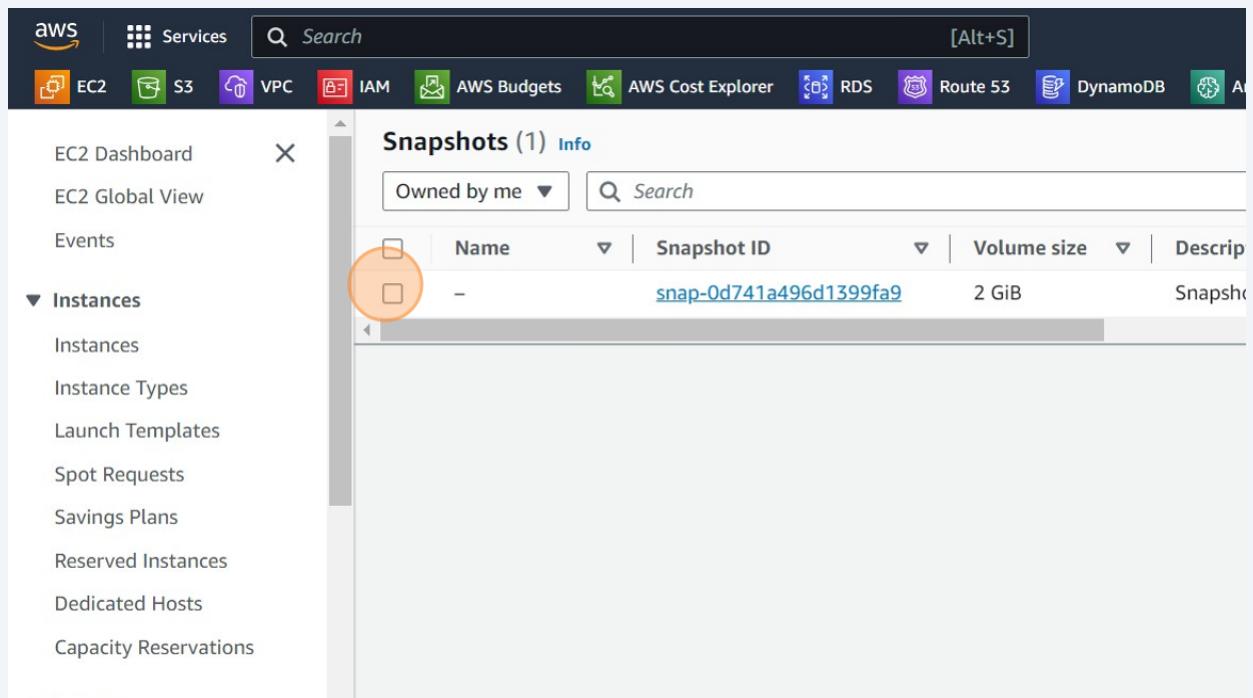
Tags

Volume size 2 GiB	Progress Available (100%)	Snapshot status Completed
Volume ID vol-0397207347ac0ecd6	Started Tue Oct 31 2023 10:51:24 GMT+0100 (Central European Standard Time)	Product codes -

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Copy snapshot

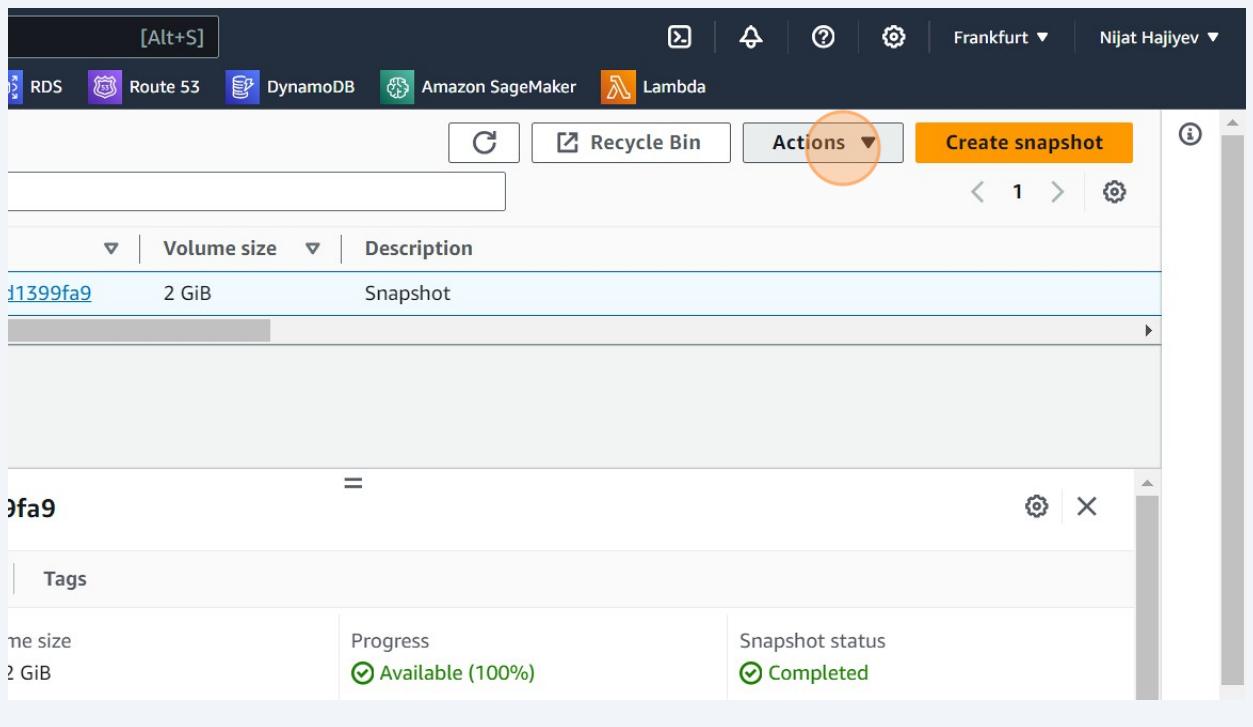
19 Click this checkbox.



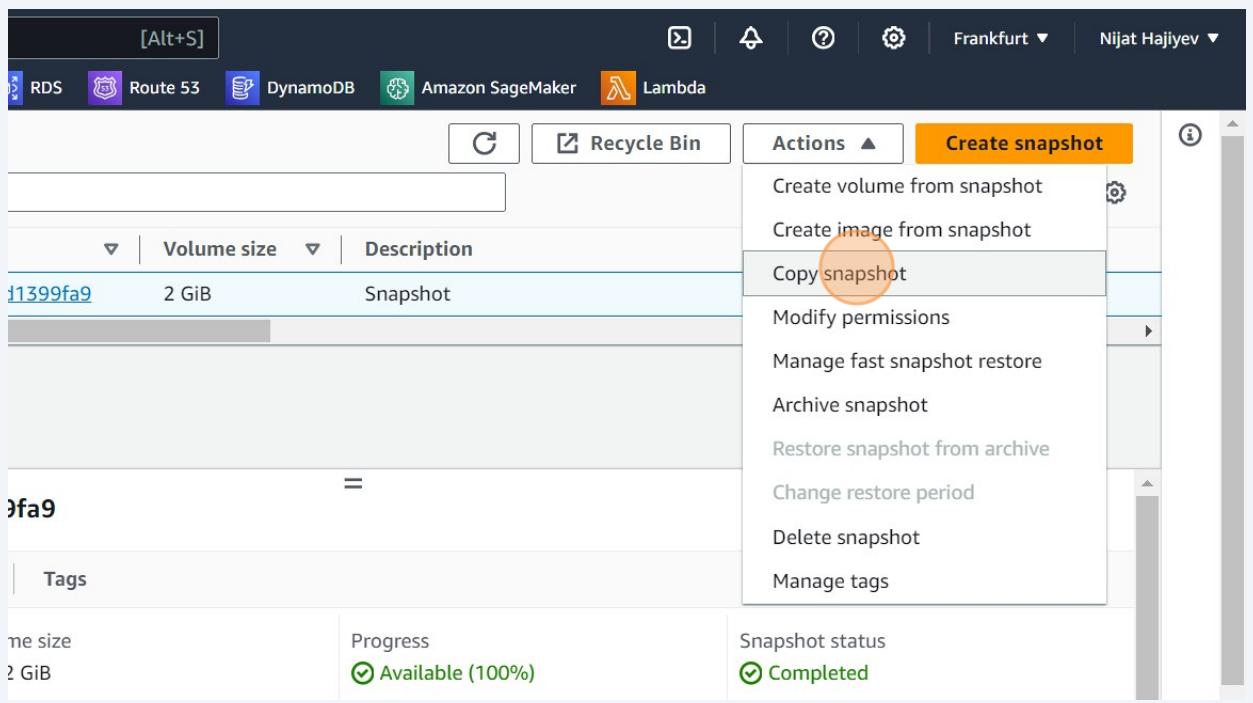
The screenshot shows the AWS EC2 Dashboard with the 'Instances' section selected. In the center, the 'Snapshots' section displays one item. A large orange circle highlights the checkbox column for the first snapshot row. The table headers are Name, Snapshot ID, Volume size, and Description. The data row shows a checkbox icon, the Snapshot ID 'snap-0d741a496d1399fa9', a volume size of '2 GiB', and a truncated description.

Name	Snapshot ID	Volume size	Description
-	snap-0d741a496d1399fa9	2 GiB	Snapsho

20 Click "Actions"



21 Click "Copy snapshot"



22 Select destination region

Snapshot ID
The ID of the original snapshot that is to be copied.
 snap-0d741a496d1399fa9

New snapshot settings

Description
A description for the snapshot copy.
[Copied snap-0d741a496d1399fa9 from eu-central-1] Snapshot
255 characters maximum.

Destination Region
The Region in which to create the snapshot copy.
eu-central-1

Encryption [Info](#)
Use Amazon EBS encryption as an encryption solution for your EBS resources.
 Encrypt this snapshot

Tags - optional [Info](#)
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

CloudShell Feedback © 2023, Amazon Web Services, Inc.

23 Click "us-east-1"

Snapshot ID
The ID of the original snapshot that is to be copied.
 snap-0d741a496d1399fa9

Search

EC2 S3 VPC IAM AWS Budgets AWS Cost Explorer RDS Route 53 DynamoDB

☰

ap-southeast-1

ap-southeast-2

eu-central-1

us-east-1

us-east-2

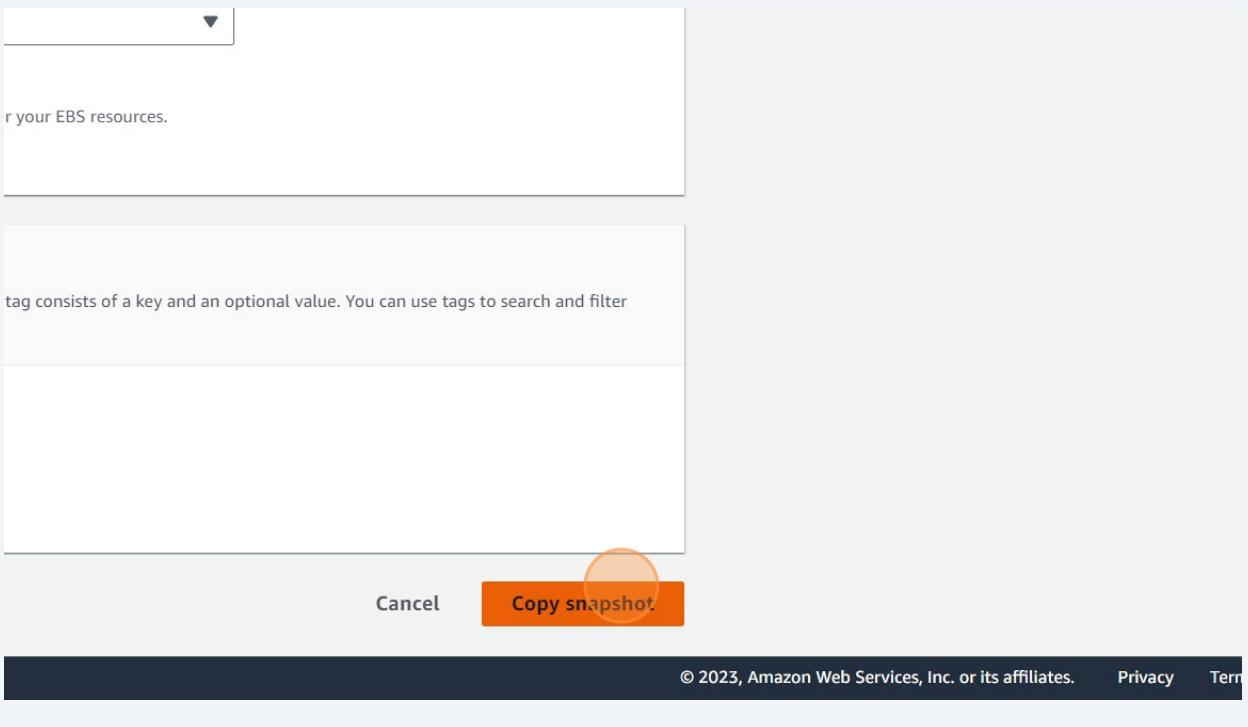
us-west-1

us-west-2

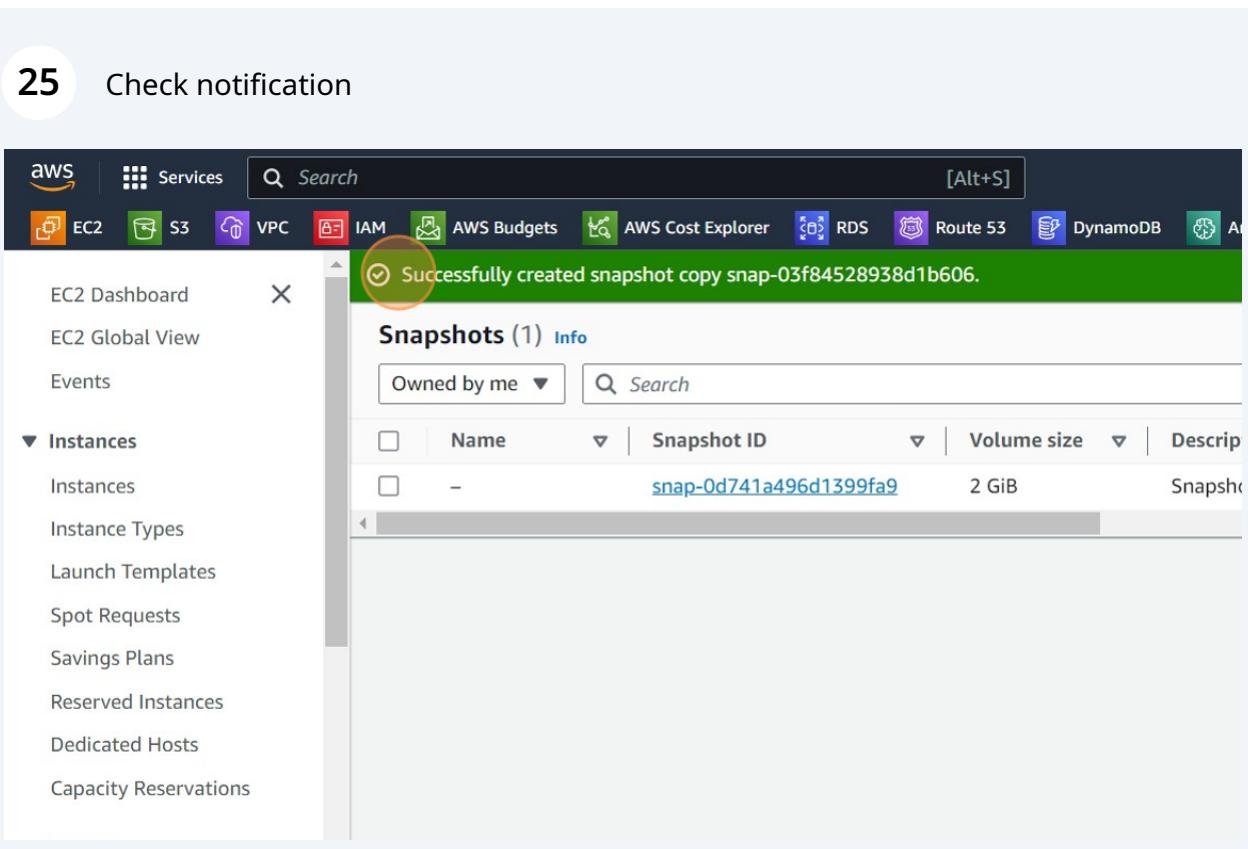
eu-central-1

Encryption [Info](#)
Use Amazon EBS encryption as an encryption solution for your EBS resources.
 Encrypt this snapshot

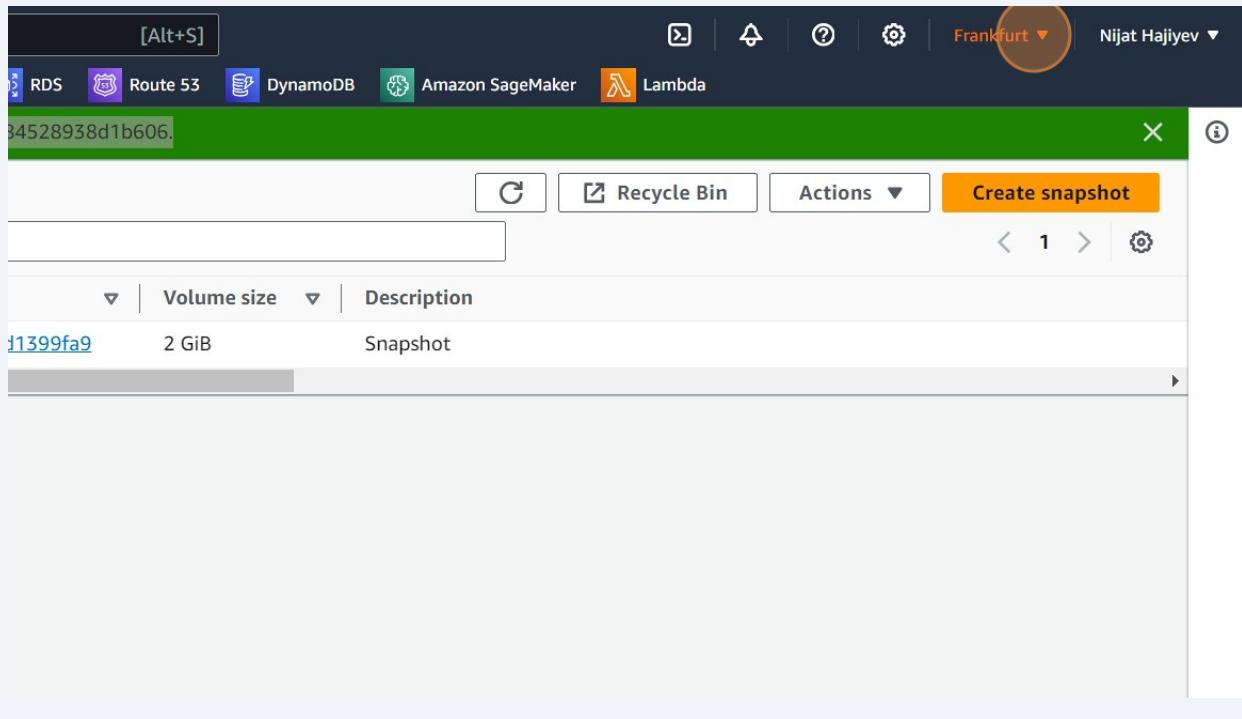
24 Click "Copy snapshot"



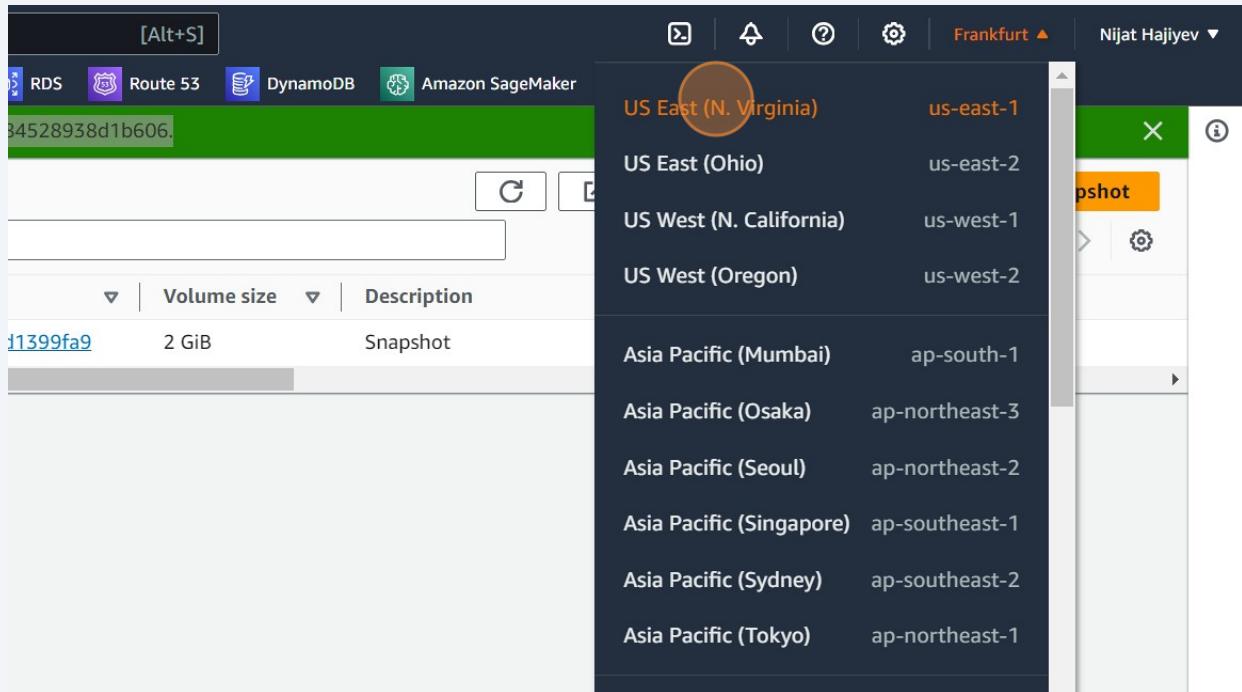
25 Check notification



26 Check copied snapshot



27 Click "US East (N. Virginia) us-east-1"



28 Check snapshot

"[Copied snap-0d741a496d1399fa9 from eu-central-1] Snapshot"

The screenshot shows the AWS CloudWatch Metrics console. At the top, there are tabs for AWS Cost Explorer, RDS, Route 53, DynamoDB, Amazon SageMaker, and Lambda. Below the tabs, there are buttons for Create, Recycle Bin, Actions, and a search bar. A table lists a single metric with the following details:

Snapshot ID	Volume size	Description	Storage tier	Snapshot status
snap-03f84528938d1b606	2 GiB	[Copied snap-0d741a496d...]	Standard	Completed

Create volume from snapshot

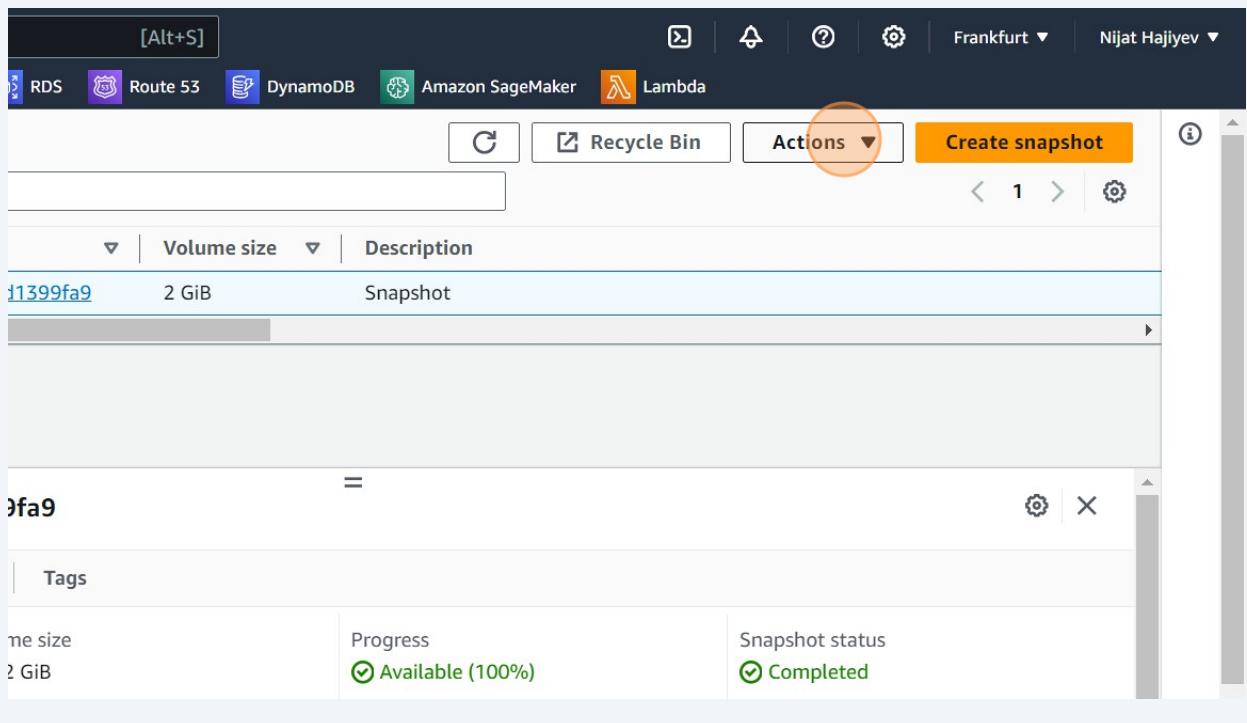
29 Click this checkbox.

The screenshot shows the AWS EC2 Dashboard. On the left, there is a sidebar with links like EC2 Dashboard, EC2 Global View, Events, Instances (with sub-links: Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), and others. The main area is titled "Snapshots (1) Info". It shows a table with one row:

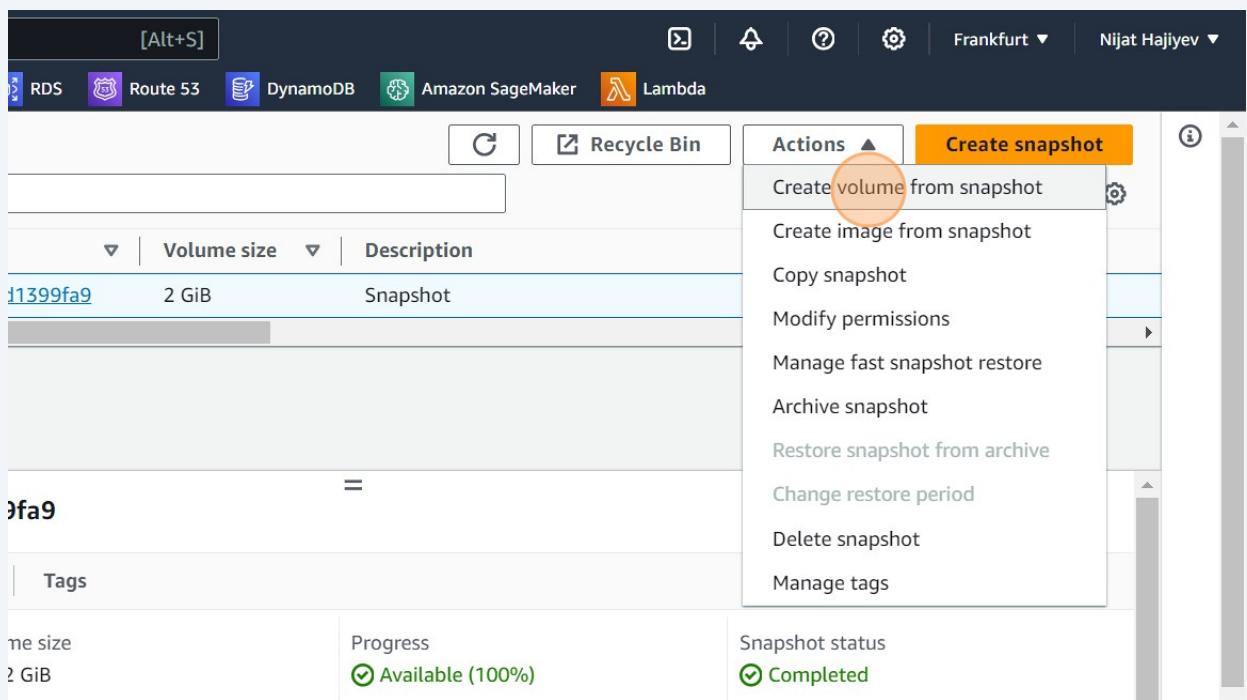
Name	Snapshot ID	Volume size	Description
-	snap-0d741a496d1399fa9	2 GiB	Snapshot

A checkbox is located to the left of the Name column header, and it is highlighted with a red circle.

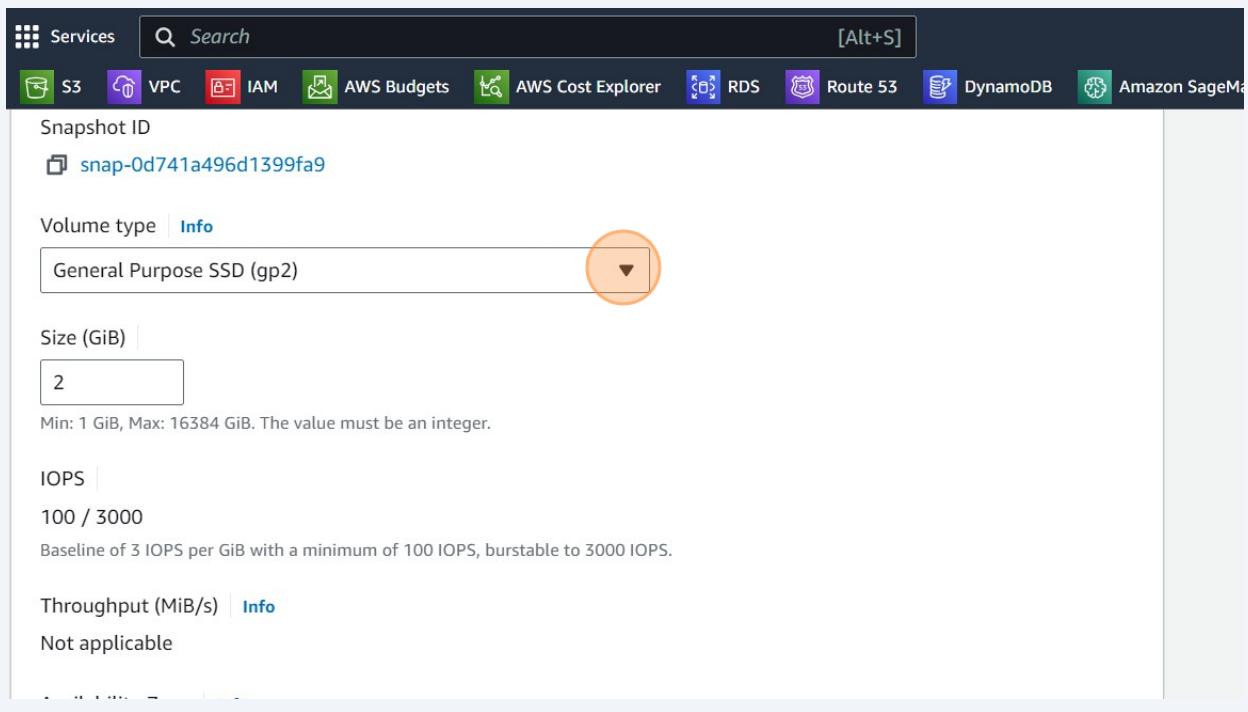
30 Click "Actions"



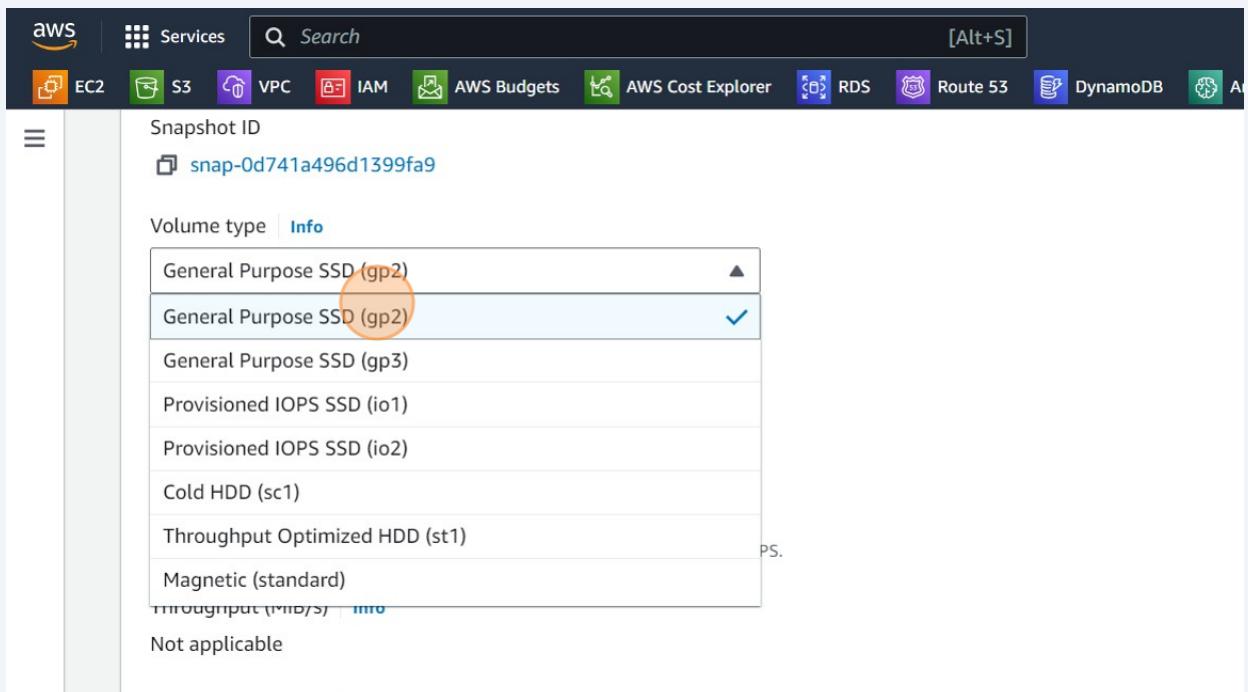
31 Click "Create volume from snapshot"



32 Click here.



33 Click "General Purpose SSD (gp2)"



34 Click "eu-central-1a"

The screenshot shows the AWS EBS volume configuration page. At the top, there is a navigation bar with icons for EC2, S3, VPC, IAM, AWS Budgets, AWS Cost Explorer, RDS, Route 53, DynamoDB, and Lambda. Below the navigation bar, there is a sidebar with a '☰' icon. The main content area displays various configuration options:

- IOPS**: Shows 100 / 3000. Baseline of 3 IOPS per GiB with a minimum of 100 IOPS, burstable to 3000 IOPS.
- Throughput (MiB/s)**: Shows Not applicable.
- Availability Zone**: Shows eu-central-1a. This option is highlighted with an orange circle.
- Fast snapshot restore**: Shows Not enabled for selected snapshot.
- Encryption**: Shows Use Amazon EBS encryption as an encryption solution for your EBS resources associated with your EC2 instances. There is a checkbox labeled Encrypt this volume.

35 Click

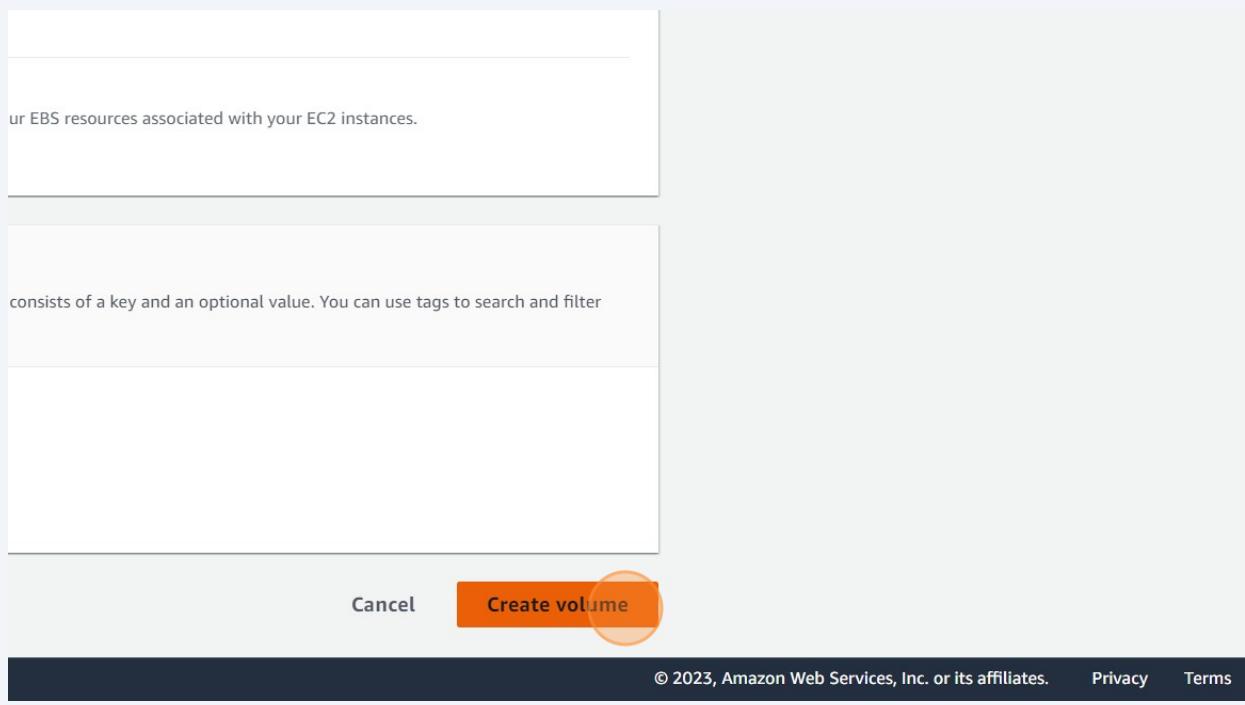
The screenshot shows the AWS EBS volume configuration page. The main content area displays various configuration options:

- Baseline of 3 IOPS per GiB with a minimum of 100 IOPS, burstable to 3000 IOPS.
- Throughput (MiB/s): Shows Not applicable.
- Availability Zone: Shows eu-central-1a. This option is highlighted with an orange circle. Below it, a dropdown menu lists availability zones: eu-central-1a, eu-central-1b, eu-central-1c, and eu-central-1c. The eu-central-1b option is also highlighted with an orange circle and has a checkmark next to it.
- Encryption: Shows Use Amazon EBS encryption as an encryption solution for your EBS resources associated with your EC2 instances. There is a checkbox labeled Encrypt this volume.

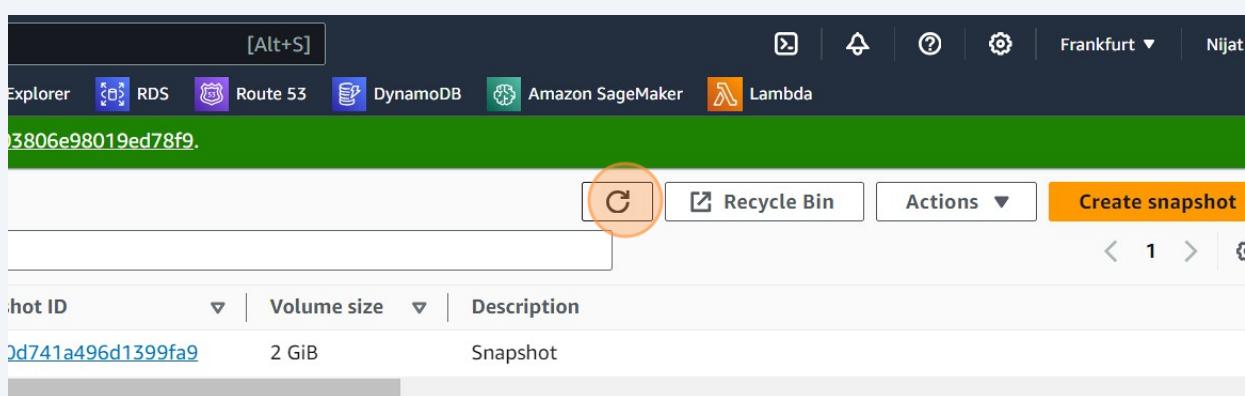
Tags - optional [Info](#)

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

36 Click "Create volume"



37 Click here.



38 Check new volume "vol-03806e98019ed78f9"

The screenshot shows the AWS Management Console with the search bar at the top. The left sidebar is expanded, showing options like EC2, S3, VPC, IAM, AWS Budgets, AWS Cost Explorer, RDS, Route 53, DynamoDB, and more. Under the 'Elastic Block Store' section, the 'Volumes' option is selected. The main area displays a table titled 'Volumes (2)'. The table has columns for Name, Volume ID, Type, and Size. Two volumes are listed: one with Volume ID 'vol-03806e98019ed78f9' and another with Volume ID 'vol-0397207347ac0ecd6'. The first volume's Volume ID is highlighted with a red circle.

Name	Volume ID	Type	Size
-	vol-03806e98019ed78f9	gp2	2 GiB
-	vol-0397207347ac0ecd6	gp2	2 GiB

39 Check "Availability Zone"

The screenshot shows the detailed view for the volume 'vol-03806e98019ed78f9'. The top part is a table with columns: Volume ID, Type, Size, IOPS, Throughput, and Snapshot. Two rows are shown: one for 'vol-03806e98019ed78f9' and another for 'vol-0397207347ac0ecd6'. The bottom part is a detailed view for 'vol-03806e98019ed78f9'. It includes sections for KMS key ID, Snapshot, Attached Instances, KMS key alias, Availability Zone, Outposts ARN, and KMS key ARN. The 'Availability Zone' field is highlighted with a red circle. The value 'eu-central-1b' is displayed under it.

Volume ID	Type	Size	IOPS	Throughput	Snapshot
vol-03806e98019ed78f9	gp2	2 GiB	100	-	snap-0d741a496d1399fa9
vol-0397207347ac0ecd6	gp2	2 GiB	100	-	-

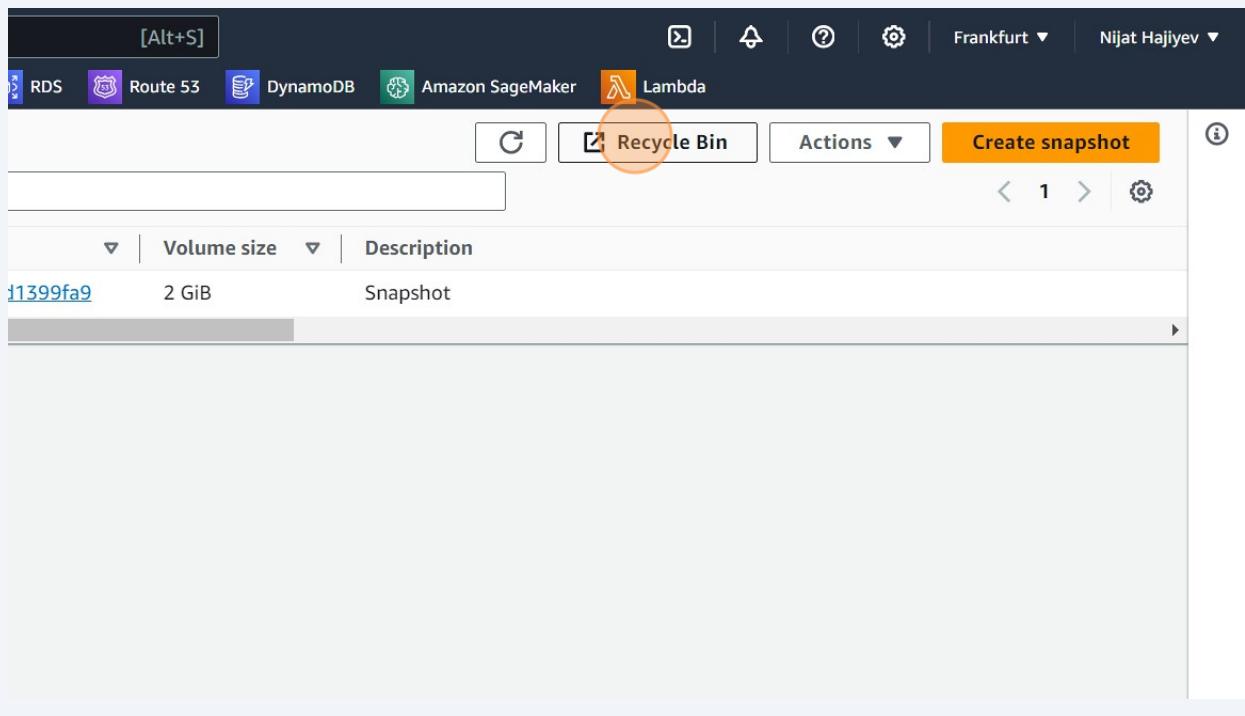
vol-03806e98019ed78f9

KMS key ID	KMS key alias	KMS key ARN
-	-	-
Snapshot	Availability Zone	Created
snap-0d741a496d1399fa9	eu-central-1b	Tue Oct 31 2023 10:57:49 GMT+0100 (Central European Time)
Attached Instances	Outposts ARN	-
-	-	-

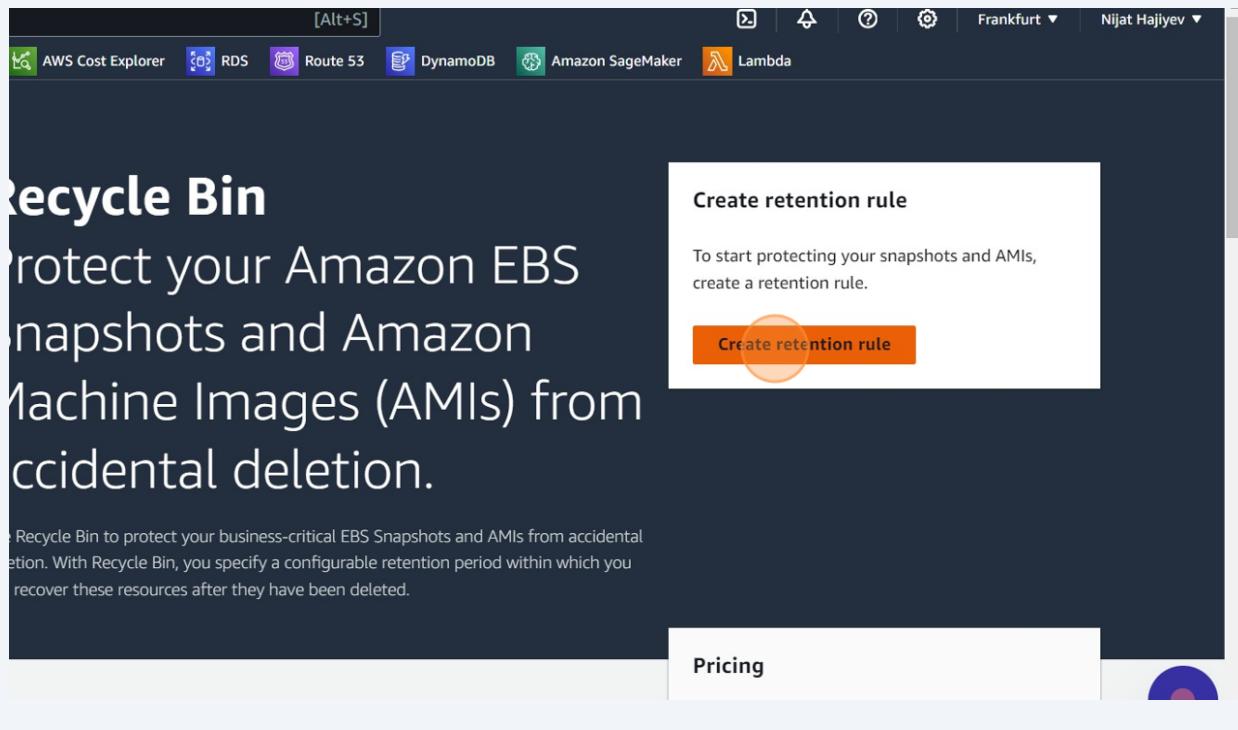
Header Title

40

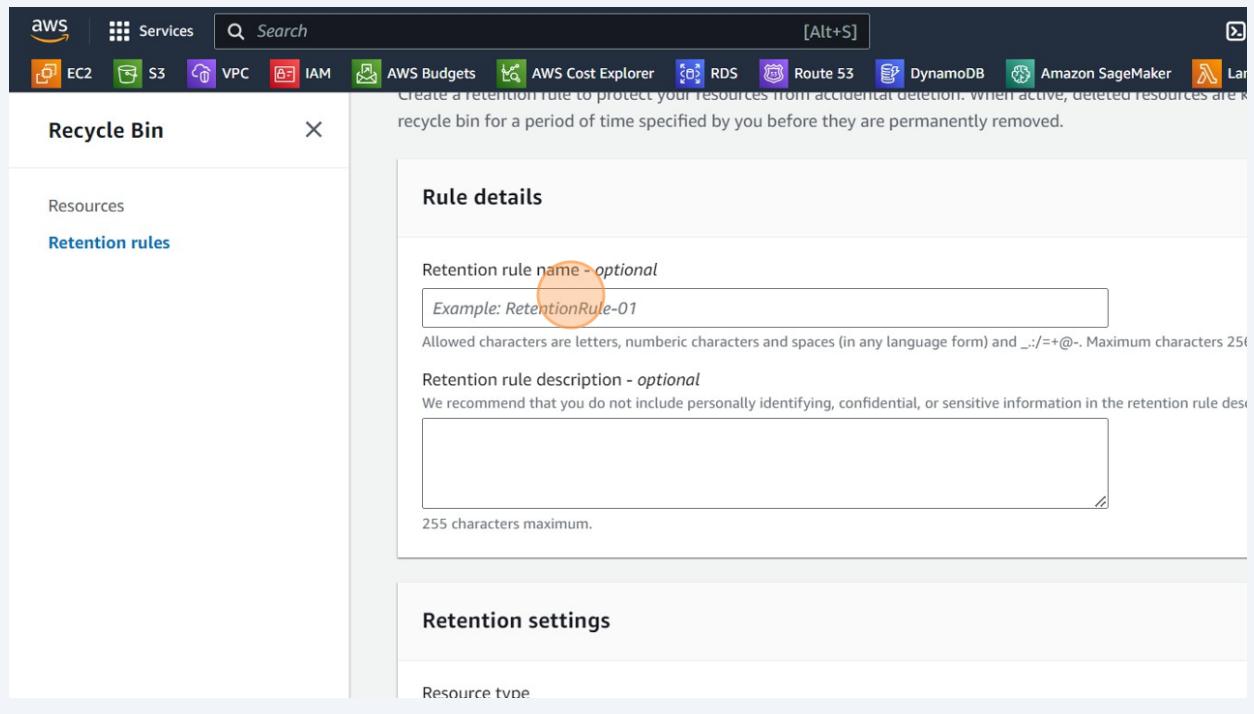
Click "Recycle Bin"



41 Click "Create retention rule"

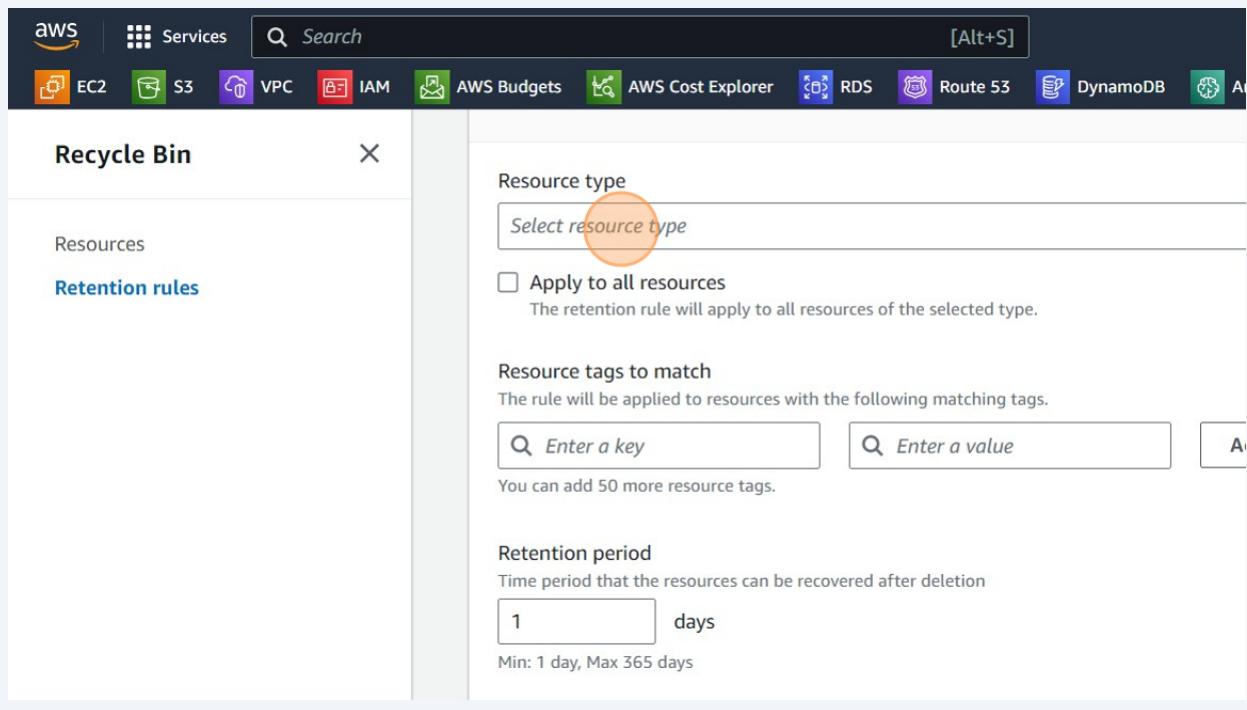


42 Click the "Retention rule name - optional" field.

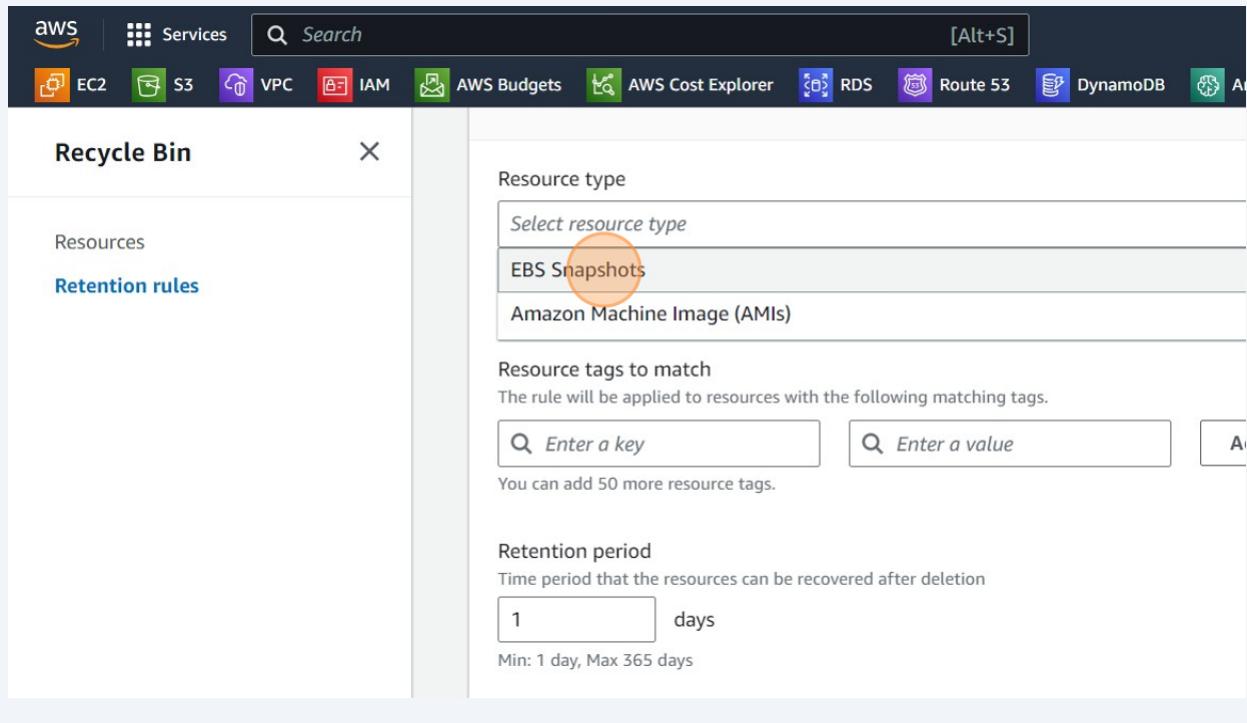


43 Type "Rule"

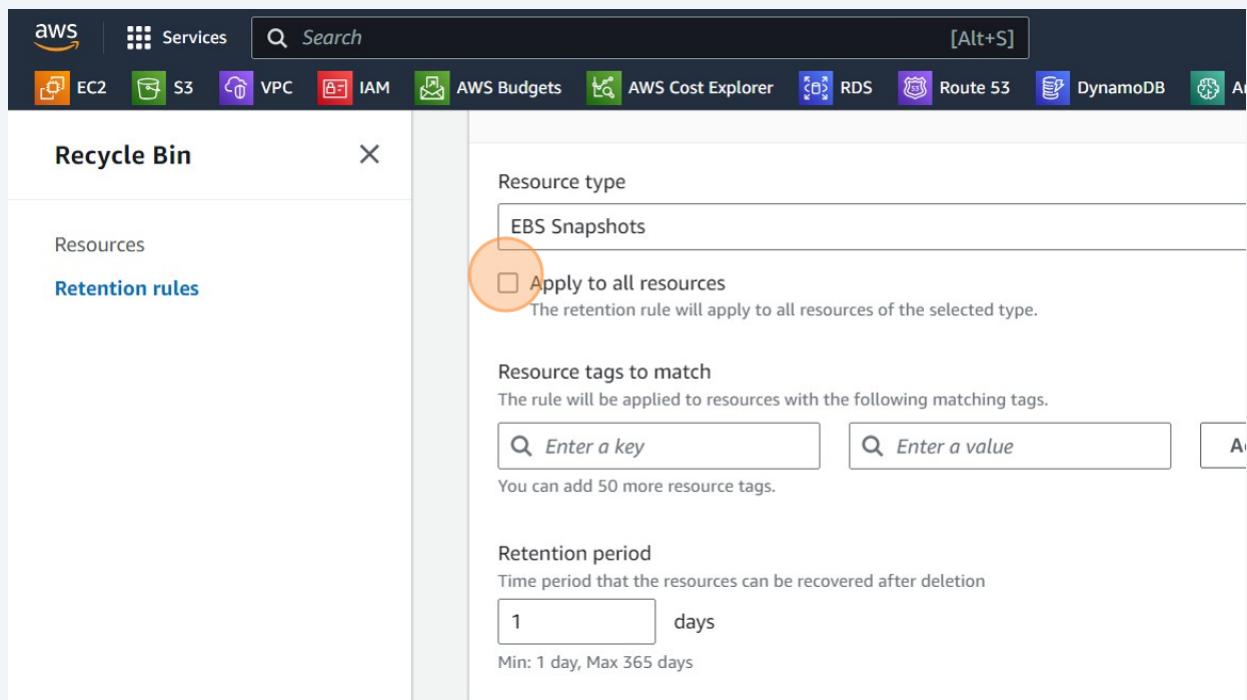
44 Click "Select resource type"



45 Click "EBS Snapshots"



46 Click this checkbox.

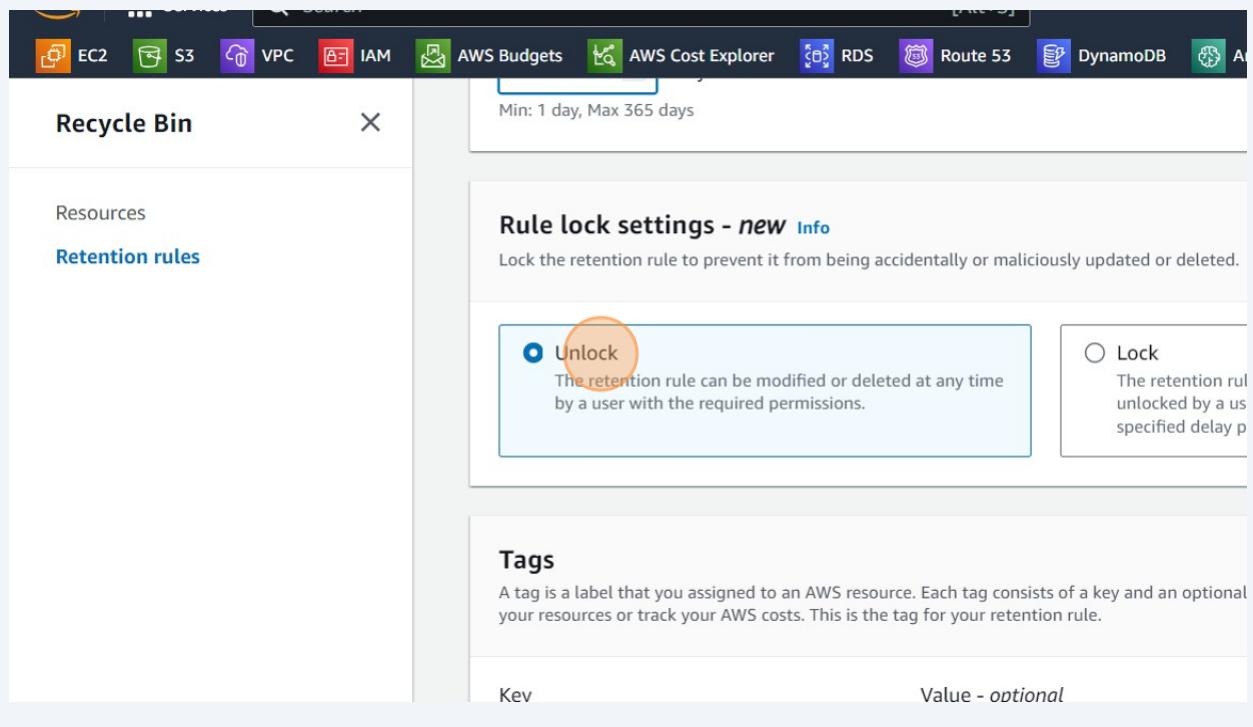


47 Click the "Retention period" field.

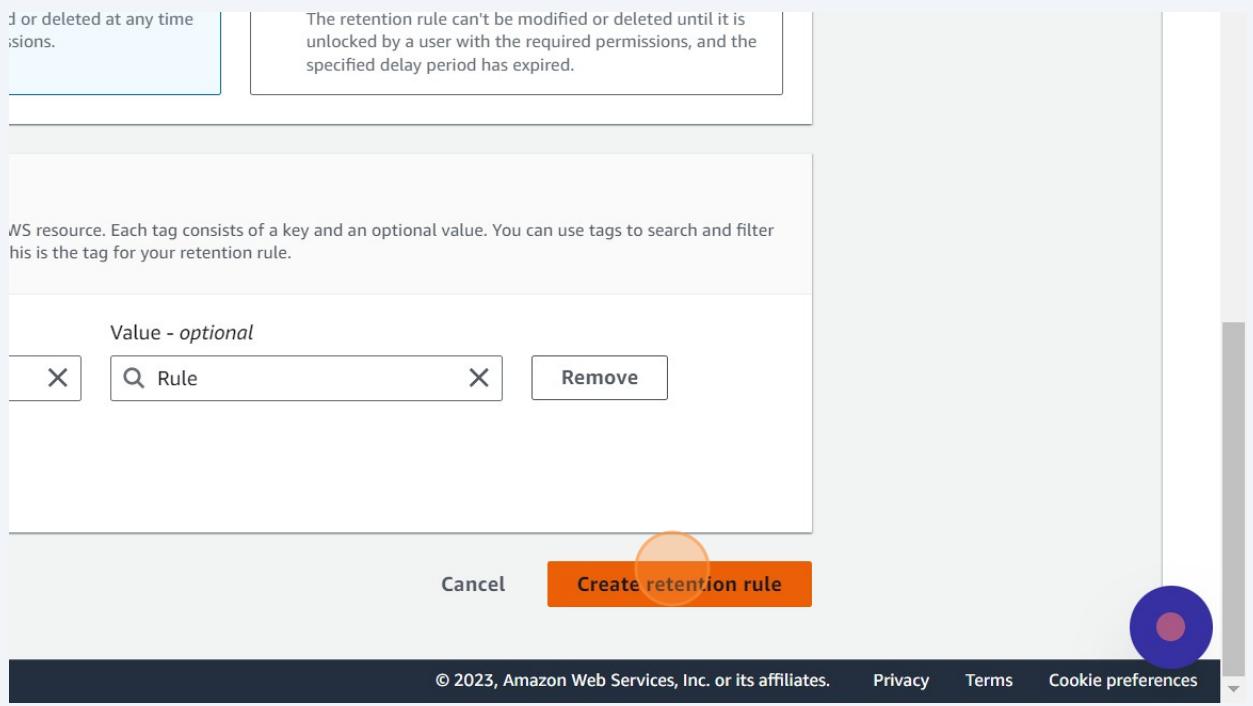
The screenshot shows the AWS Lambda 'Retention rules' configuration interface. At the top, there's a navigation bar with icons for EC2, S3, VPC, IAM, AWS Budgets, AWS Cost Explorer, RDS, Route 53, DynamoDB, and Lambda. Below the navigation bar, the left sidebar has sections for 'Recycle Bin' and 'Resources'. Under 'Resources', the 'Retention rules' section is selected. The main content area is titled 'Retention period' and specifies 'EBS Snapshots'. A checkbox labeled 'Apply to all resources' is checked, with a note below stating 'The retention rule will apply to all resources of the selected type.' A dropdown menu for 'Time period that the resources can be recovered after deletion' is open, showing the value '1 days' with a circled '1'. Below this, a note says 'Min: 1 day, Max 365 days'. At the bottom, there's a section titled 'Rule lock settings - new' with two options: 'Unlock' (selected) and 'Lock'. The 'Unlock' option is described as allowing modification or deletion by anyone with the required permissions.

48 Type "5"

49 Click "Unlock"



50 Click "Create retention rule"



51 Click this button. Retention Rule is created

The screenshot shows the AWS EBS Snapshots Retention Rules interface. At the top, there's a search bar and navigation links for VPC, IAM, AWS Budgets, AWS Cost Explorer, RDS, Route 53, DynamoDB, Amazon SageMaker, and Lambda. The main area is titled "Retention rules (1) Info". A table lists one rule:

Name	Rule ID	Description	Retention	Rule lock state
cQ7FDcJgmx8	-	-	5 Days	Unlocked

A large orange circle highlights the "Create retention rule" button at the top right of the table header. Below the table, a message says "Select a retention rule above".

Delete snapshot and restore

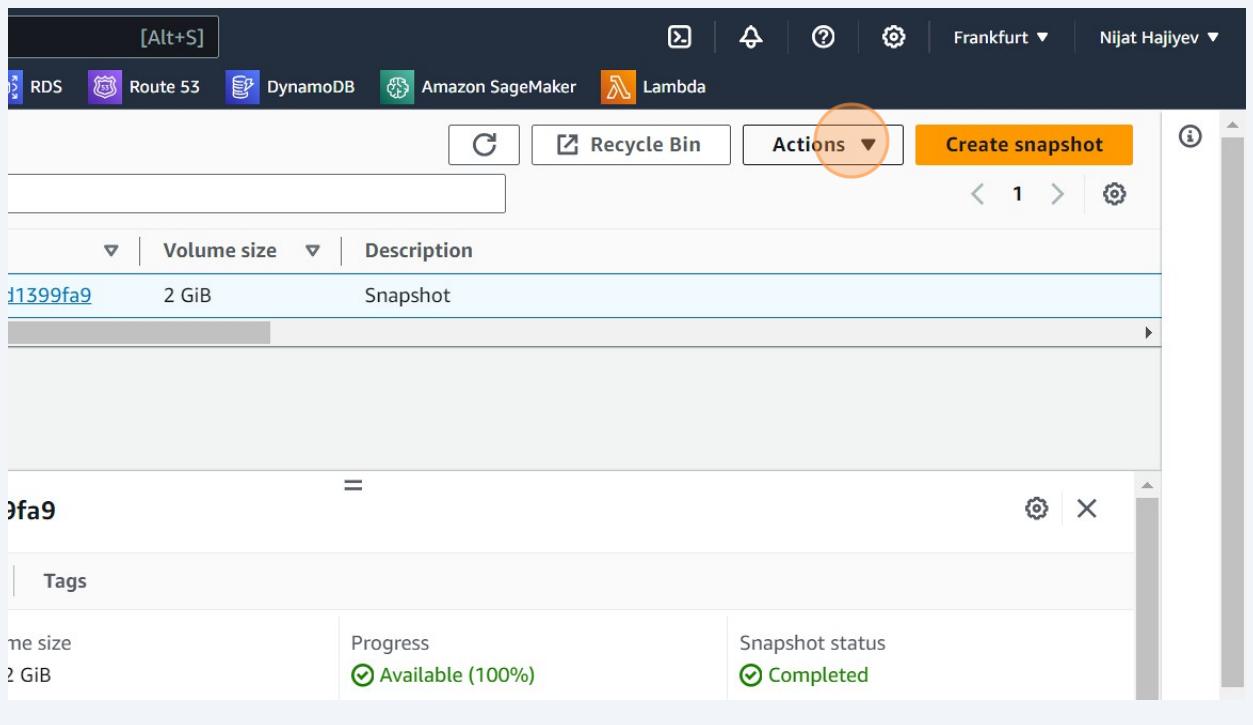
52 Click this checkbox.

The screenshot shows the AWS EBS Snapshots interface. On the left, a sidebar lists "Launch Templates", "Spot Requests", "Savings Plans", "Reserved Instances", "Dedicated Hosts", and "Capacity Reservations". Under "Images", it lists "AMIs" and "AMI Catalog". Under "Elastic Block Store", it lists "Volumes", "Snapshots" (which is highlighted in blue), and "Lifecycle Manager". The main area is titled "Snapshots (1) Info". A table lists one snapshot:

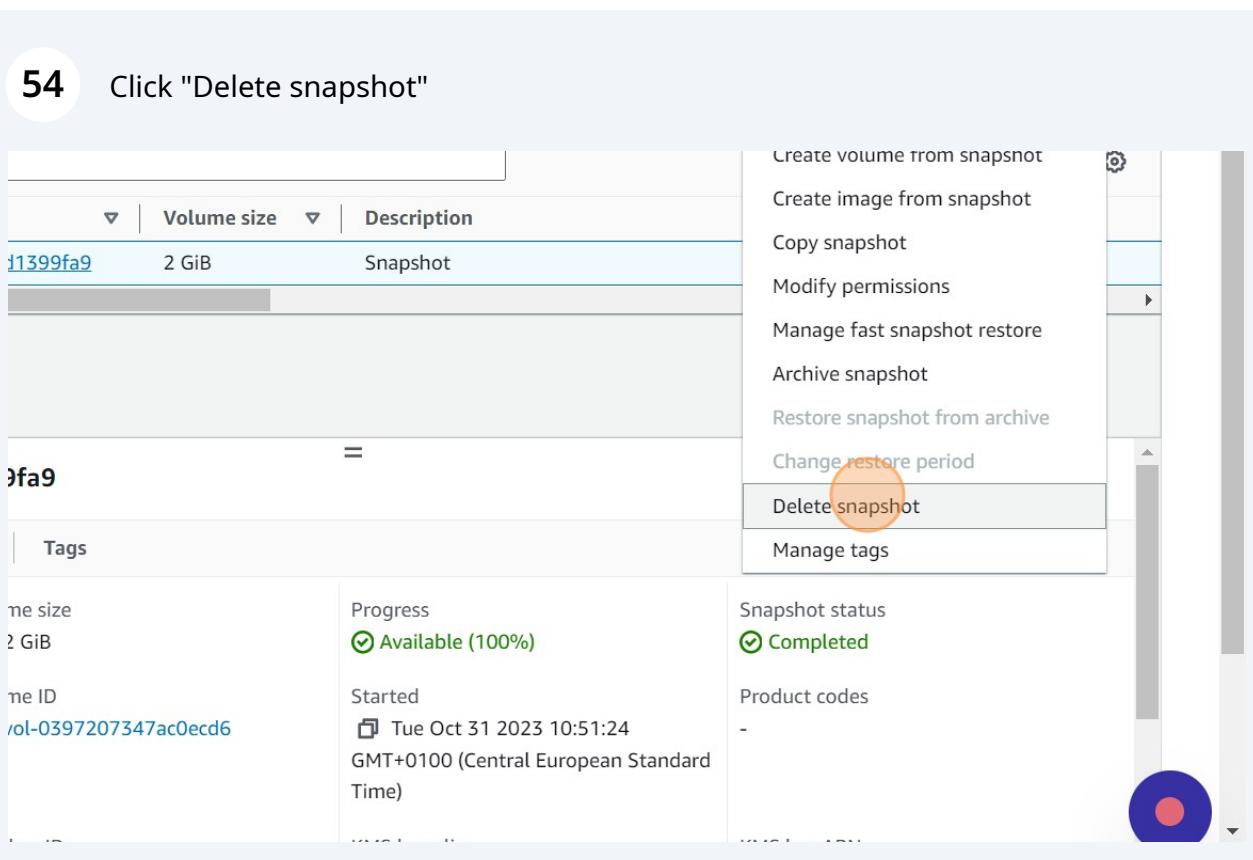
Name	Snapshot ID	Volume size	Description
-	snap-0d741a496d1399fa9	2 GiB	Snapsho

An orange circle highlights the checkbox in the first column of the snapshot table.

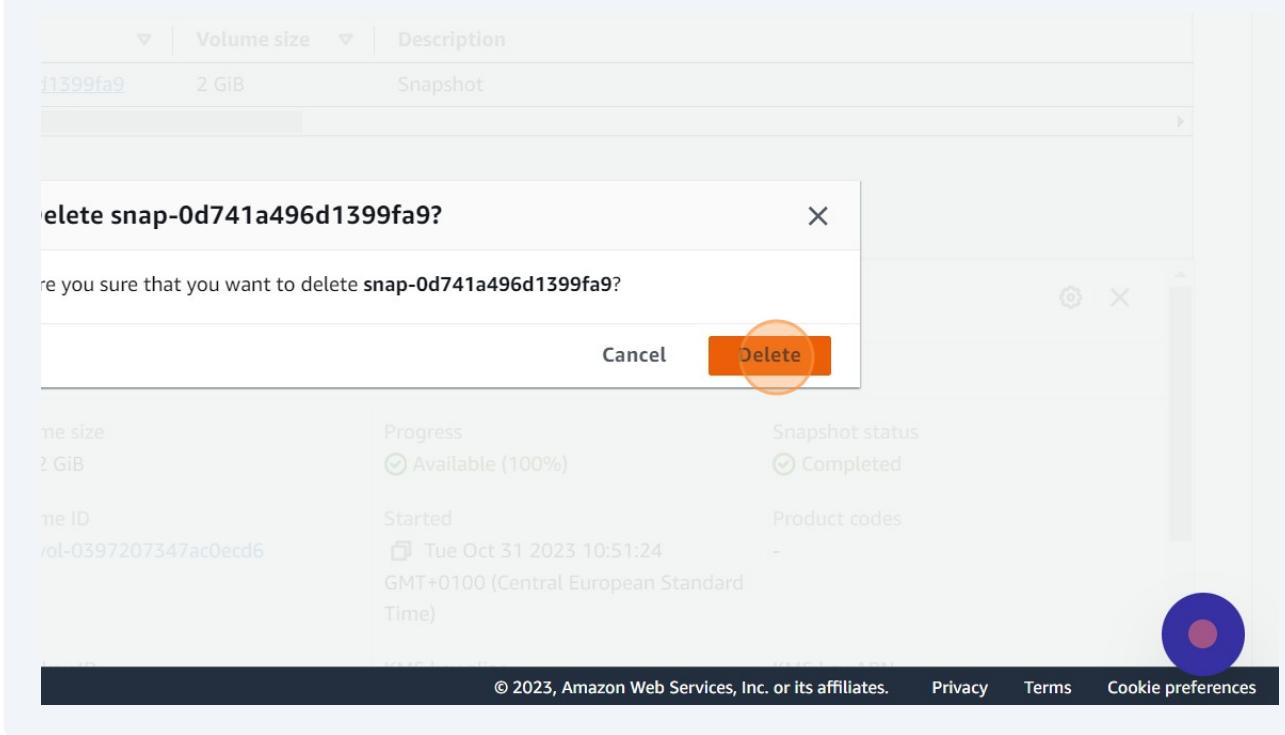
53 Click "Actions"



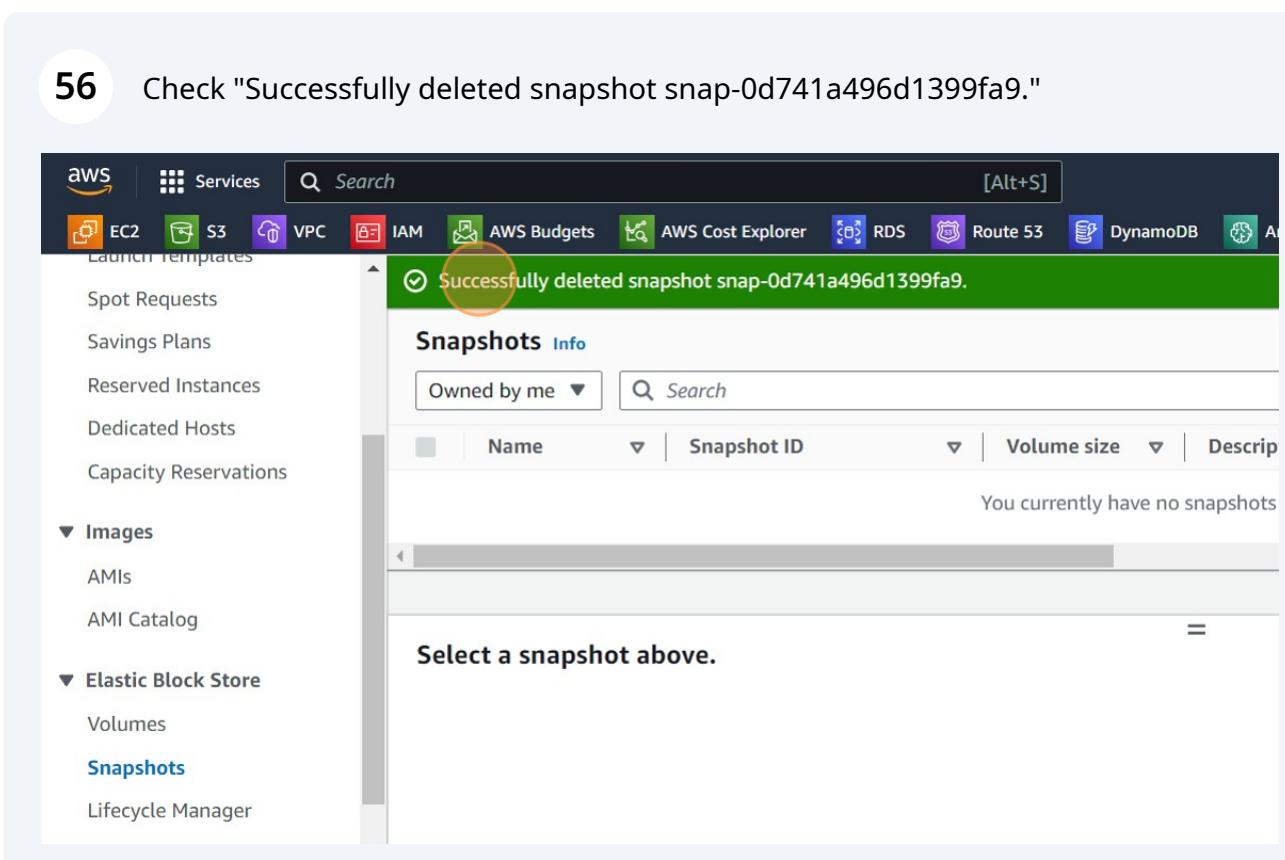
54 Click "Delete snapshot"



55 Click "Delete"

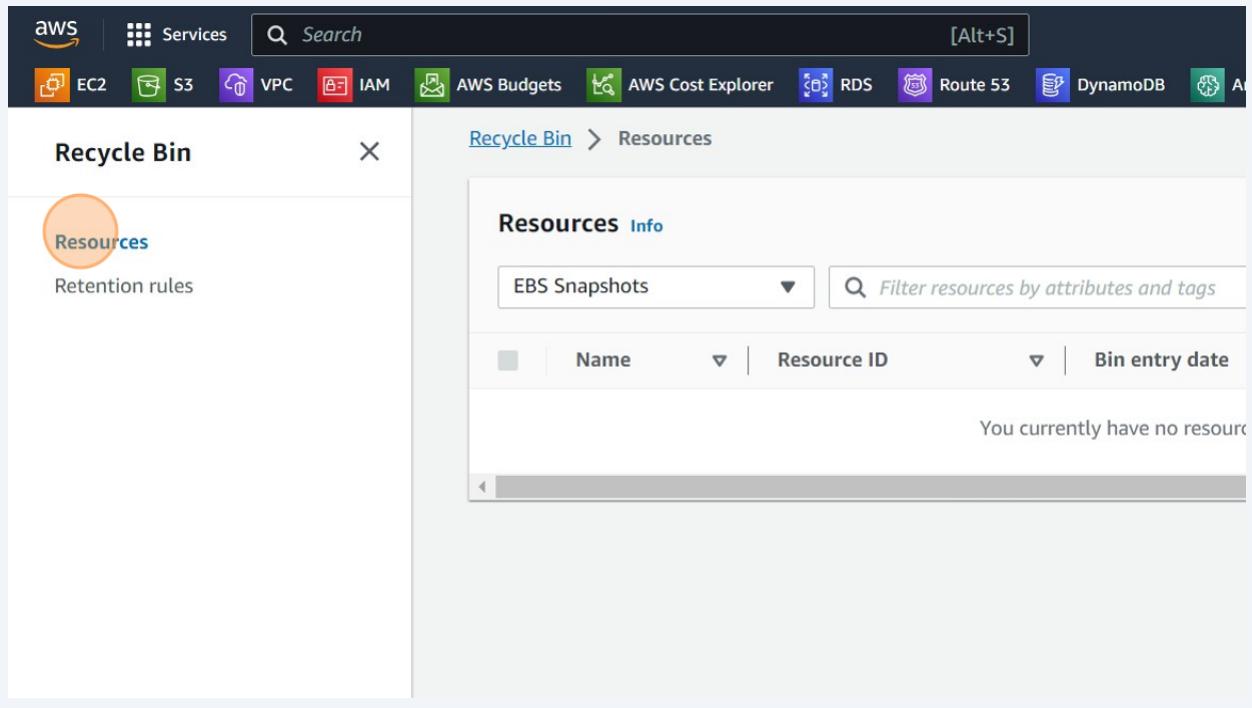


56 Check "Successfully deleted snapshot snap-0d741a496d1399fa9."

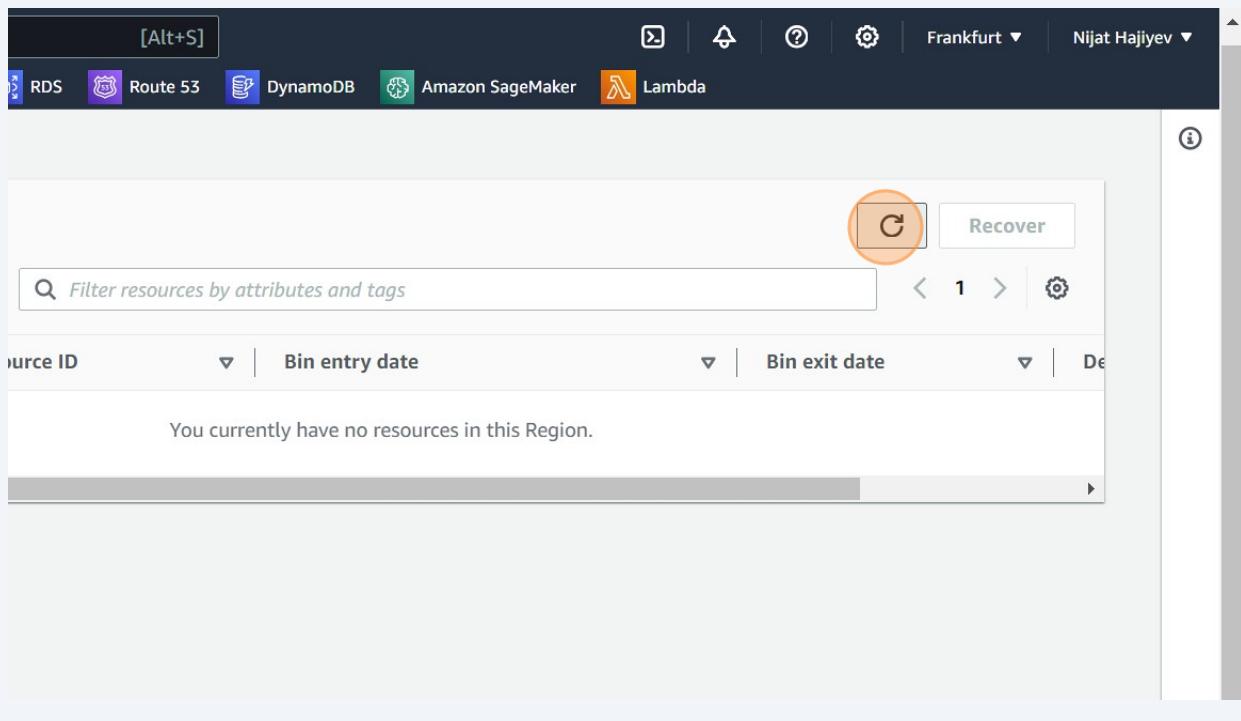


57 Switch to tab "Recycle Bin"

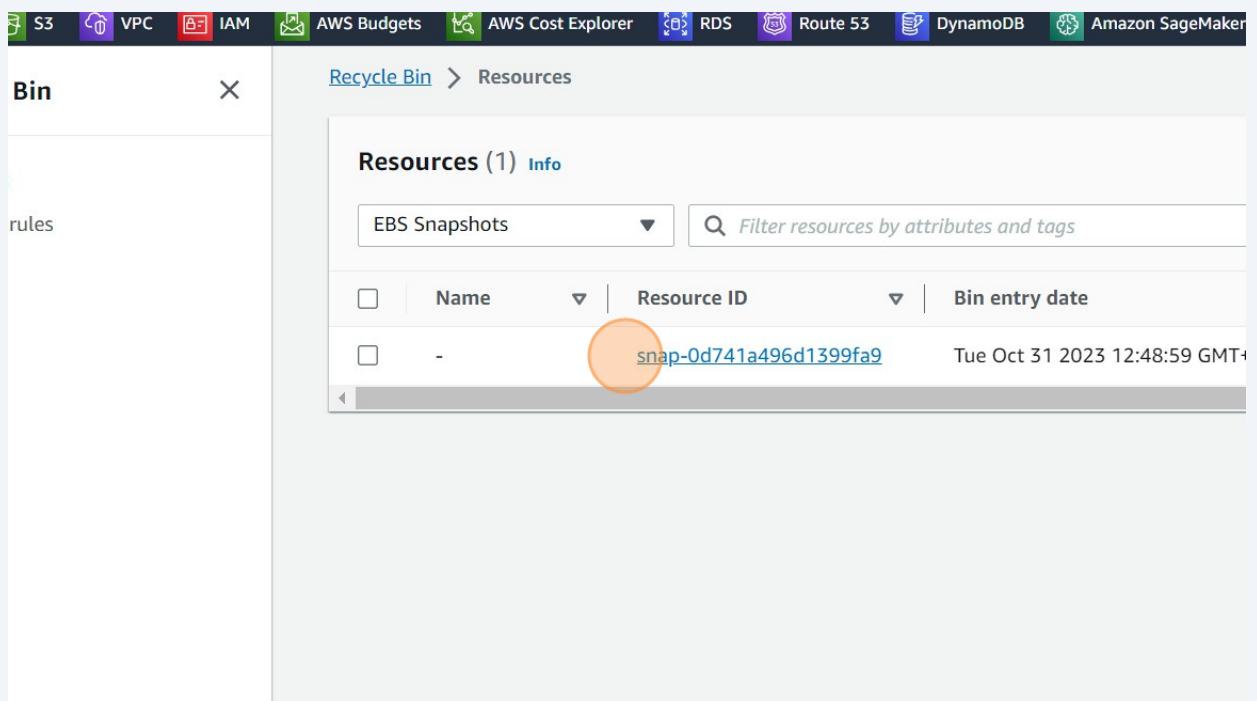
58 Click "Resources"



59 Click here.



60 Check deleted "snap-0d741a496d1399fa9"



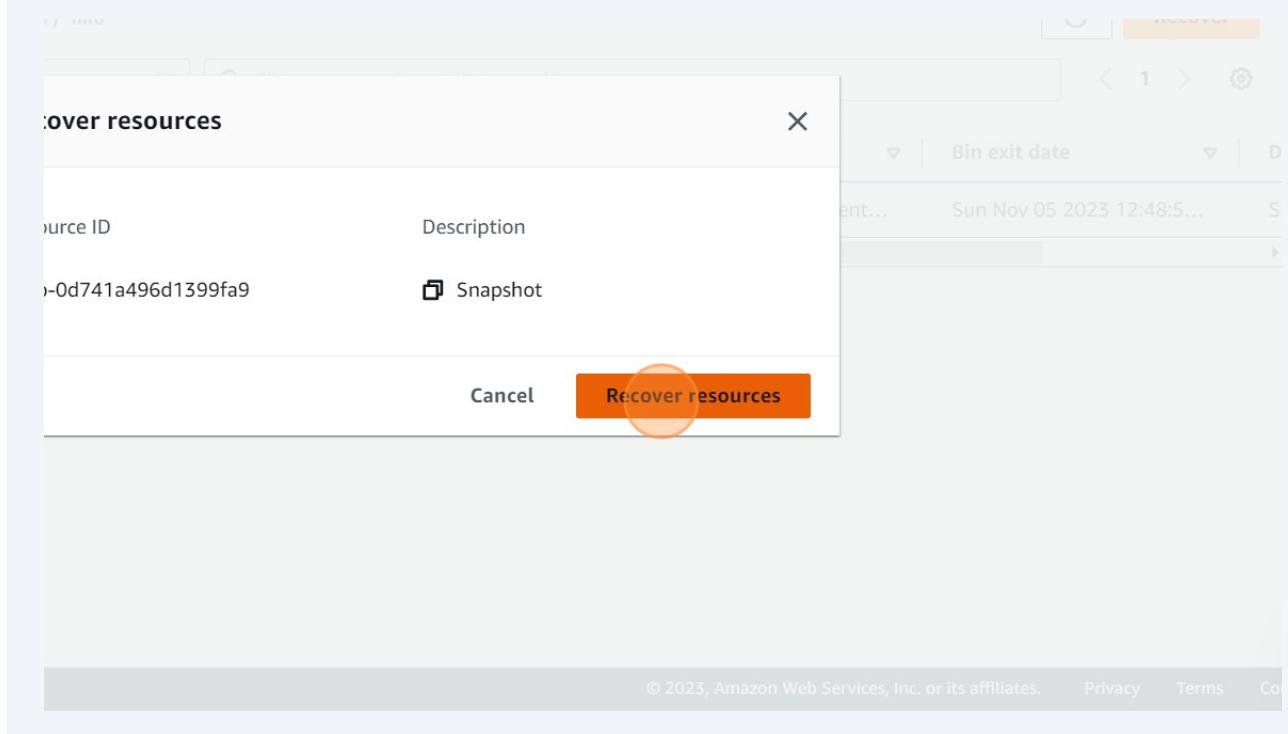
61 Click this checkbox.

The screenshot shows the AWS Recycle Bin interface. On the left, there's a sidebar with 'Recycle Bin' and 'Resources' sections, and a 'Retention rules' link. The main area is titled 'Resources (1/1)' and shows a single item: 'EBS Snapshots'. A search bar at the top says 'EBS Snapshots' and has a 'Filter resources by attributes and tags' button. Below the search bar is a table header with columns: 'Name', 'Resource ID', and 'Bin entry date'. A single row is listed, showing a checked checkbox, a dash for the name, the resource ID 'snap-0d741a496d1399fa9', and the date 'Tue Oct 31 2023'. The checkbox in the first column is highlighted with a red circle.

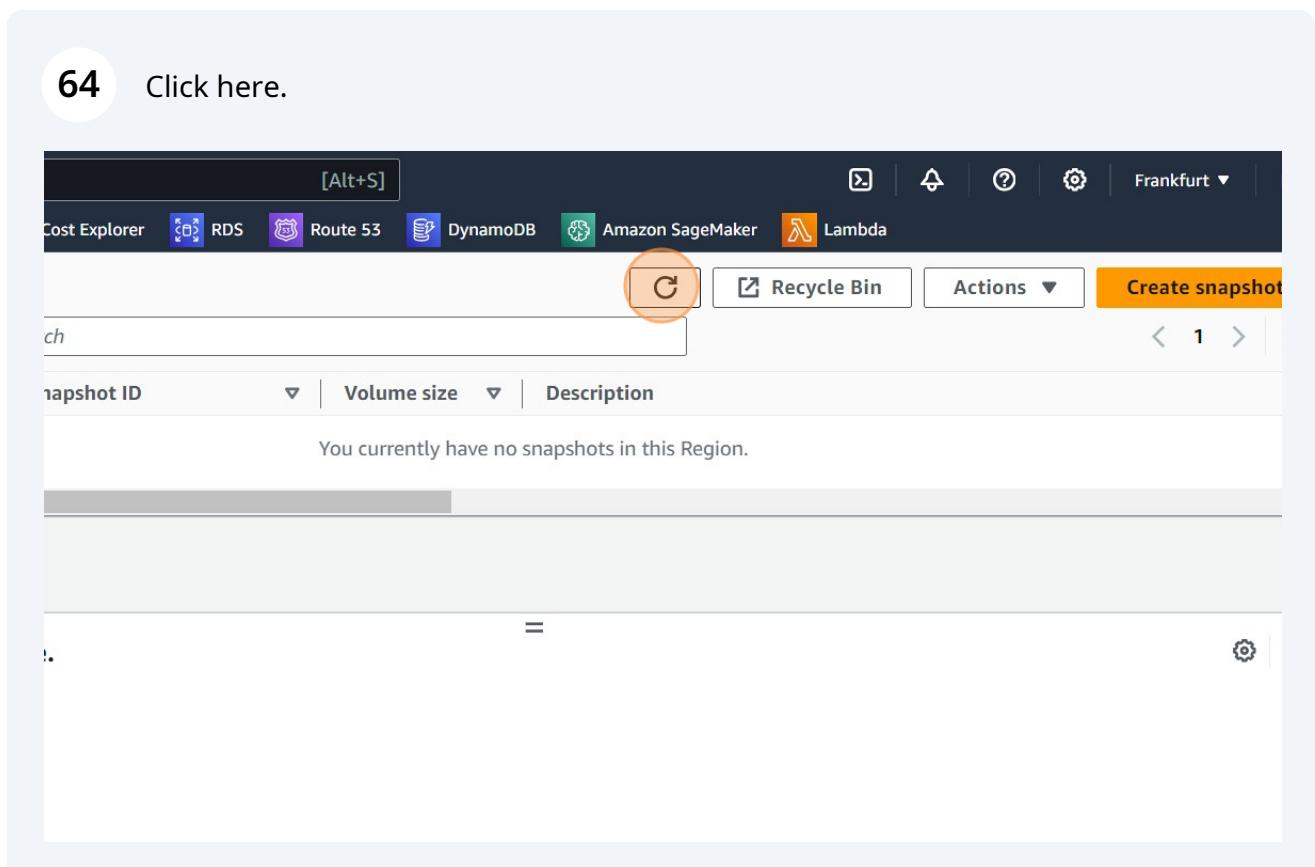
62 Click "Recover"

The screenshot shows a modal dialog box for recovering a resource. At the top right is a large orange 'Recover' button, which is circled in red. To its left is a white 'Cancel' button. Below the buttons is a search bar with the placeholder 'Filter resources by attributes and tags'. Underneath the search bar is a table with two columns: 'Source ID' and 'Bin entry date'. The table contains one row with the source ID 'snap-0d741a496d1399fa9', the bin entry date 'Tue Oct 31 2023 12:48:59 GMT+0100 (Central European Standard Time)', and the bin exit date 'Sun Nov 05 2023 12:48:5...'. The entire dialog box has a dark background.

63 Click "Recover resources"



64 Click here.



65 Check recovered snapshot

The screenshot shows the AWS Management Console interface for managing EBS snapshots. The left sidebar navigation includes 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Capacity Reservations', 'Images' (with 'AMIs' and 'AMI Catalog' options), and 'Elastic Block Store' (with 'Volumes' and 'Snapshots' selected). The main content area displays a table titled 'Snapshots (1)' with one item listed:

Name	Snapshot ID	Volume size	Description
-	snap-0d741a496d1399fa9	2 GiB	Snapsho

A small orange circle highlights the checkbox column header in the table. Below the table, a message reads: "Select a snapshot above."