

3) Create Lambda function

The screenshot shows the AWS Lambda console for the function 'auto_root_ebs-volume-backup'. The breadcrumb navigation is 'Lambda > Functions > auto_root_ebs-volume-backup'. The function name is displayed prominently. Action buttons include 'Throttle', 'Copy ARN', and 'Actions'. Below the function name, there are tabs for 'Function overview' (selected) and 'Info'. The 'Function overview' section includes a 'Diagram' tab and a 'Template' tab. A diagram shows the function icon, name, and a 'Layers' section with '(0)' layers. There are buttons for '+ Add trigger' and '+ Add destination'. On the right, the 'Description' section shows 'Description: -', 'Last modified: now', 'Function ARN: arn:aws:lambda:ap-south-1:985539783646:function:auto_root_ebs-volume-backup', and 'Function URL: Info'.

4) Use Below link for python code and pest code, deploy code and then test.

https://github.com/satyam88/greentea/blob/master/automate_root_ebs_volume_backup.py

The screenshot shows the AWS Lambda console for the function 'auto_root_ebs-volume-backup'. The breadcrumb navigation is 'Lambda > Functions > auto_root_ebs-volume-backup'. The 'Code source' tab is selected, showing a file explorer with 'auto_root_ebs-volui' and 'lambda_function.py'. The 'Test' button is highlighted. The 'Execution result' tab is also visible, showing the status 'Succeeded', 'Max memory used: 86 MB', and 'Time: 655.95 ms'. The 'Execution results' section shows 'Hello' and 'Response: null'. The 'Function Logs' section shows the following log entries: 'START RequestId: 82f91932-fe6-4b6d-8e98-9132ea68b4b2 Version: \$LATEST', 'Found 1 instances that need backing up', 'Found EBS volume vol-04d12678c14fa3670 on instance i-0b88d39241df8622d', 'END RequestId: 82f91932-fe6-4b6d-8e98-9132ea68b4b2', and 'REPORT RequestId: 82f91932-fe6-4b6d-8e98-9132ea68b4b2 Duration: 655.95 ms Billed Duration: 656 ms Memory Size: 128 MB Max'. The 'Request ID' is '82f91932-fe6-4b6d-8e98-9132ea68b4b2'.

5) Check whether snapshot is created or not ?

Successfully deleted snapshot snap-00d995ea1ccecf32c1.

Snapshots (1) Info

Owned by me

Search

Refresh

Recycle Bin

Actions

Create snapshot

< 1 >

Settings

<input type="checkbox"/>	Name	Snapshot ID	Volume size	Description	Storage tier	Snapshot status	Started
<input type="checkbox"/>	-	snap-05e364bd062258dad	8 GiB	-	Standard	Pending	2024/08/31 13:24 G

6) Hit/Run/Test the code 3 times to create 3 snapshots

Snapshots (3) Info

Owned by me

Search

Refresh

Recycle Bin

Actions

Create snapshot

< 1 >

Settings

<input type="checkbox"/>	Name	Snapshot ID	Volume size	Description	Storage tier	Snapshot status	Started
<input type="checkbox"/>	-	snap-0f2c4cd39cd83fea7	8 GiB	-	Standard	Pending	2024/08/31 13:30 G
<input type="checkbox"/>	-	snap-05e364bd062258dad	8 GiB	-	Standard	Completed	2024/08/31 13:24 G
<input type="checkbox"/>	-	snap-06d28df025802d884	8 GiB	-	Standard	Completed	2024/08/31 13:26 G

7) Add trigger to schedule the activity automatically for multiple times (1 day)

Triggers (1) Info

Refresh

Fix errors

Edit

Delete

Add trigger

Find triggers

< 1 >

☐

Trigger

EventBridge (CloudWatch Events): [Tirgger](#)

arn:aws:events:ap-south-1:985539783646:rule/Tirgger

Rule state: **ENABLED**

▼ Details

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Event bus: **default**

name: **Tirgger**

Schedule expression: **rate(1 day)**

Service principal: **events.amazonaws.com**

Statement ID: **lambda-e0fe6047-8326-453c-ad58-32768703b977**

url: **events/home#/rules/Tirgger**