Dated 31-05-2024

AWS Backup

Hands on AWS Backup

25.05.2024

Backup

EC2 >>>> AMI or Snapshot

EFS

S3

RDS

etc

Manual or schedule (Automated)

AWS Backup (Regional) >>>>>> Manual or schedule (Automated)

<https://aws.amazon.com/backup/pricing/>

AWS Backup

Centrally manage and automate backups across AWS services

How it works

Create

Build backup plans that define your backup requirements, including backup schedules, backup retention rules and lifecycle rules.

Assign

Assign your AWS resources to backup plans using resource tags or AWS resource IDs. Resources assigned to backup plans are then backed up automatically according to the schedule defined in the plan.

Manage

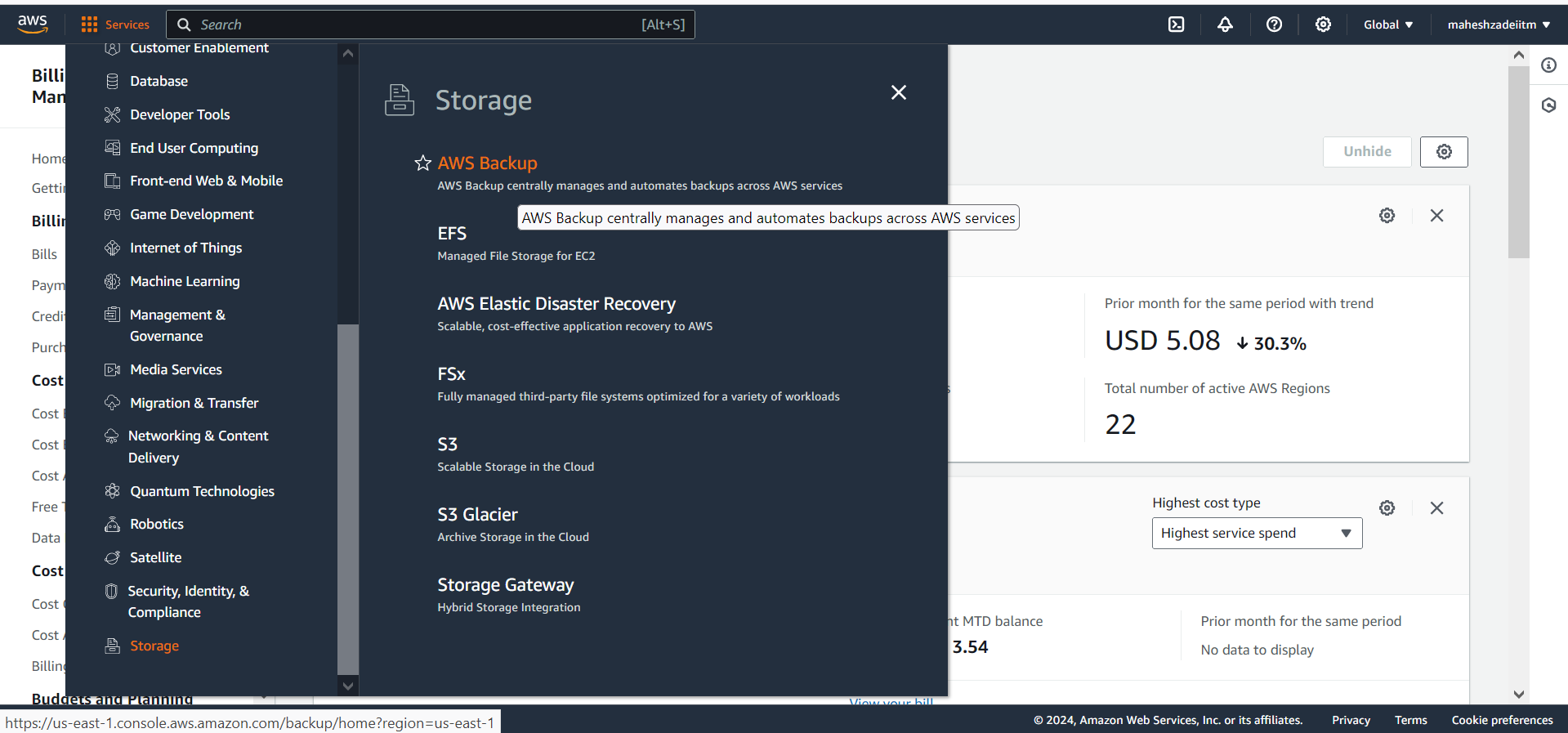
Use AWS Backup to centrally manage backup configurations, monitor backup activity across AWS services, or restore an AWS resource from a backup.

Define backup plans, schedule backups, automate backup retention management, centrally monitor backup activity, and restore backups.

Step 1 >>> Go to AWS Console and select Storage from Services and Create a Backup Plan

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Step 2 >>> Choose your Resources or Assign your Resources

AWS Backup Lab

Lab 1 - On-Demand Backup

Lab 2 - Automated Backup

Lab 3 - Restore

Lab 1 - On-Demand Backup

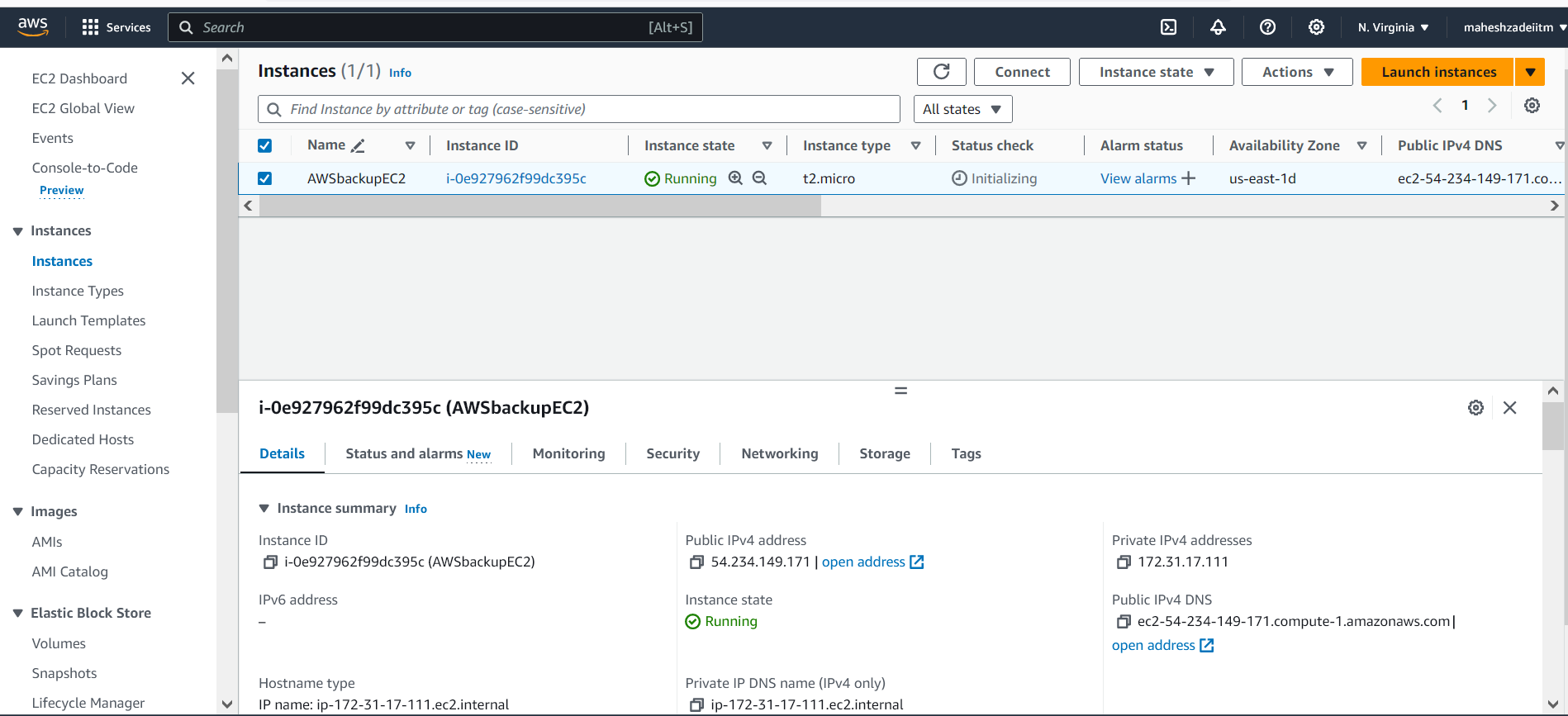
Pre-req

Backup vault >>>> Create backup vault >>>> Backup vault name >>>> MyVault

Encryption key >>>>> Default

Create

1 - Choose a Region and make sure you have EC2 otherwise create one EC2 with default settings as you know



2 - Go to AWS backup then in Protected resources >>> Create on-demand backup

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3 - Resource type >>> Ec2

Instance ID >>>> Choose your EC2 that you have created above

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Backup window >>>> Create backup now

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Total retention period >>>> 1 day

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Backup vault >>> Choose the one that you have created above

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A screenshot of a computer

Description automatically generated

Click on create backup vault

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Backup vault created

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Description automatically generated

Go to previous page of on demand backup.

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IAM role >>> Default and give the AWSbackupfull access in IAM Role

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Click on Create on-demand backup

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Backup in progress it will show and it takes time .

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4 - You can monitor under the jobs

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Now if you can see "Protected resources" >>>> it is Empty but after Backup completes >>> you can see one Protected resource

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Backup is completed

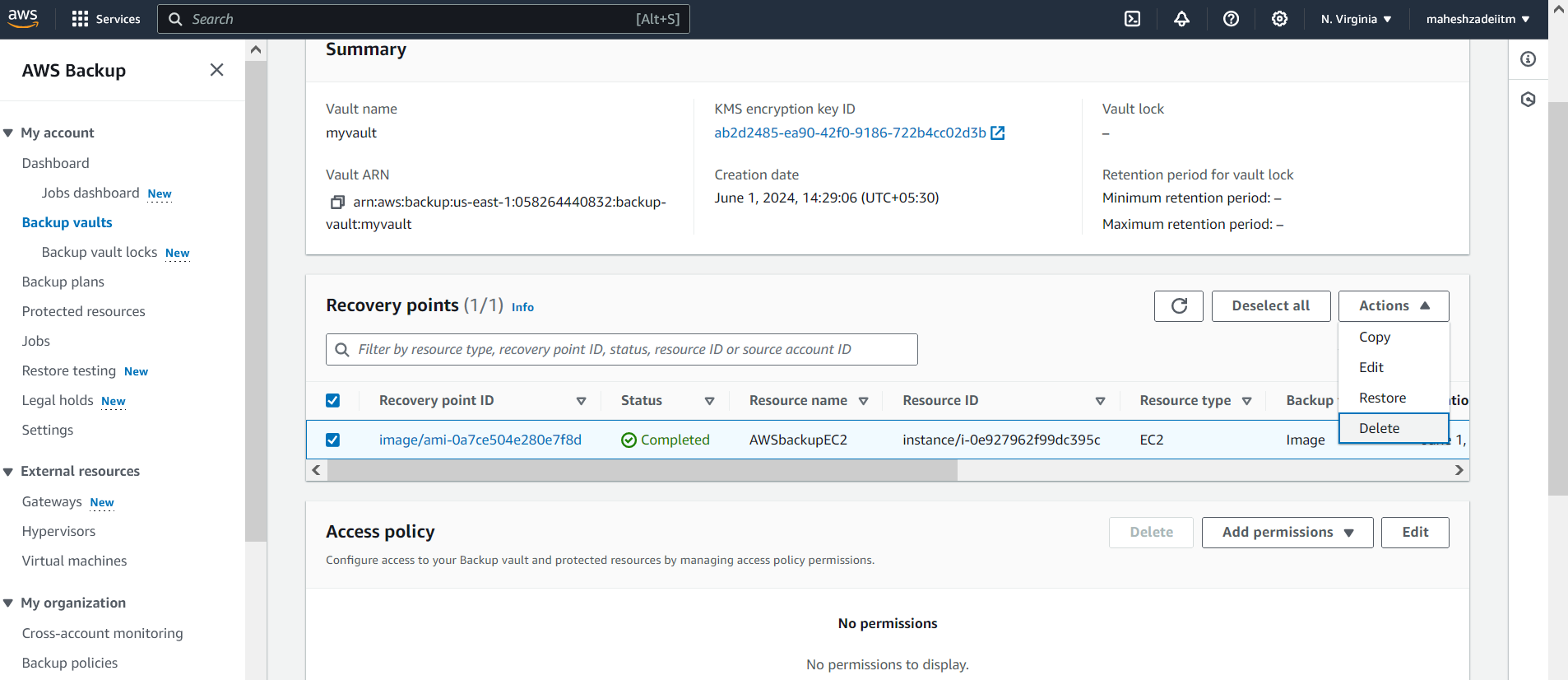
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Cleanup your lab >>> Backup vaults >>> Select your resource under Recovery points >>> Actions >>> Delete



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Go back to the protected resources >>> Its empty again.( but in my console 1 is showing

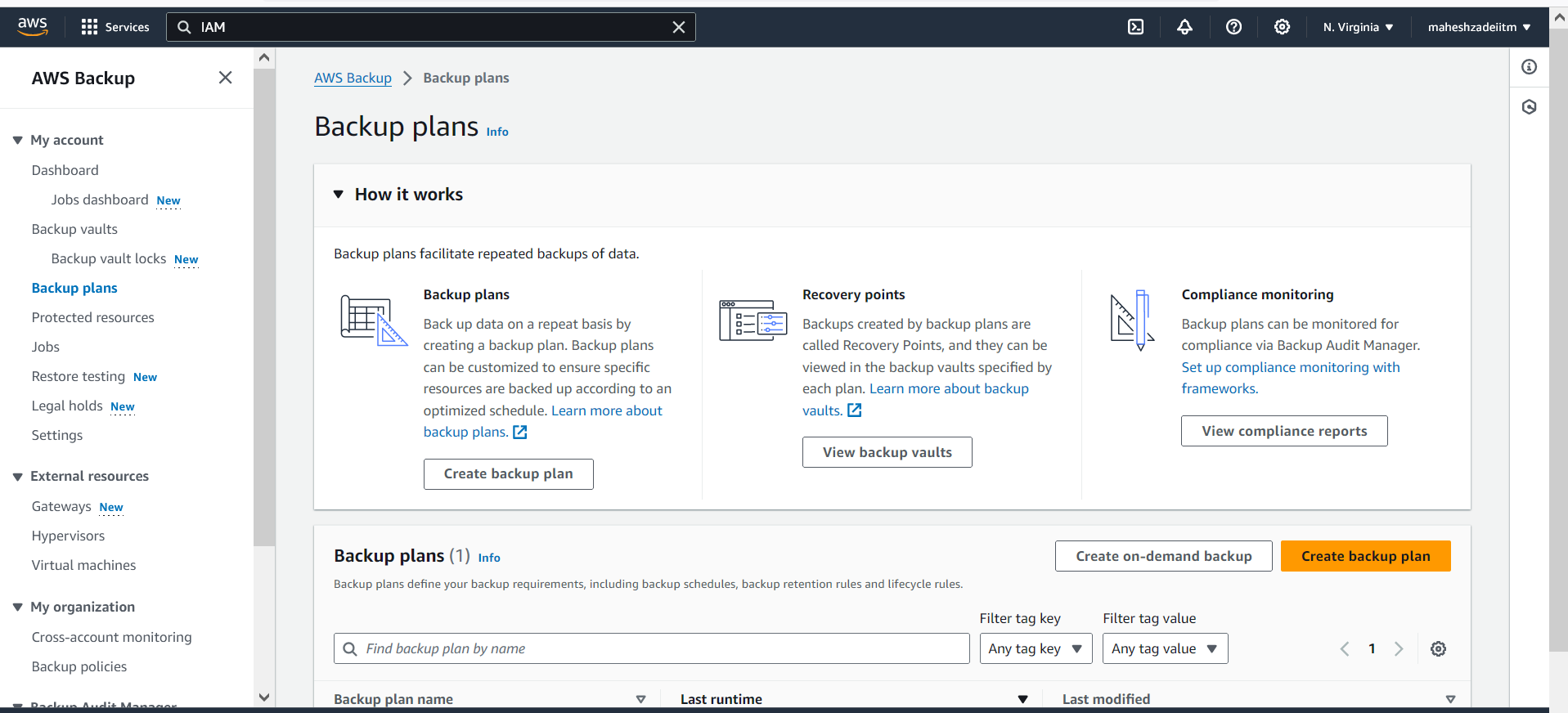
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Lab 2 - Automated Backup

1 - Go to Backup plans >>>> Create backup plan >>>>> Build a new plan

Backup plan name >>>>> ec2dailybackup



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Schedule >>>>> Backup rule name >>> myschedule

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Backup vault >>> Choose your Vault

Backup frequency >>> Daily

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Backup window >>>> Start time >>> Choose time 3-5 mints ahead for this demo

Start within >>> 1 hour

Complete within >>> 2 hour

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Total retention period >>> 1 days

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Create a Plan

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Description automatically generated

2 - Assign resources

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Resource assignment name >>>> myEC2

IAM role >>> Default Role

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Resource selection >>> Include specific resource types

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Select specific resource types >>> Ec2

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Instance IDs >>> Choose your resource

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Click on Assign resources

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Keep watching your last runtime at the backup plan

Now go to backup plans>>> Backup rules (1)>> Edit

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Also from the Backup jobs

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Backup job is crated

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Go to Dashboard

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Description automatically generated

Go to jobs under the message category it show success

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AWS backup is Successful

Pls check and update hands on .