

Cloud Computing – Session 4

Advanced EC2

ASSIGNMENT - 2

SUBMITTED BY:

Mahendra M. Sunar

DATE: 11th July, 2017

The objective of this assignment is to work with EBS Volumes and Snapshots.

EC2 instance is launched by choosing Amazon Machine Image (AMI)' Microsoft Windows Server 2012 R2 Base.

Snapshot of volume associated with this EC2 instance is created,

Services

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EC2

S3

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Route 53

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Mumbai

Support

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NETWORK & SECURITY

Security Groups

Create Volume

Actions

Filter by tags and attributes or search by keyword

1 to 1 of 1

	Name	Volume ID	Size	Volume Type	IOPS	Snapshot	Created	Availability Zone	State	Alarm
<input checked="" type="checkbox"/>	Testing-			gp2	100 / 3000	snap-0bf83328...	July 10, 2017 at 11:...	ap-south-1b	in-use	None

Modify Volume

Delete Volume

Attach Volume

Detach Volume

Force Detach Volume

Create Snapshot

Change Auto-Enable IO Setting

Add/Edit Tags

Volumes: vol-0882d617cde07ed29 (Testing-Lab)

Description

Status Checks

Monitoring

Tags

Volume ID

Size

Created

Alarm status

Snapshot

Availability Zone

vol-0882d617cde07ed29

30 GiB

July 10, 2017 at 11:57:54 PM UTC+5:30

None

snap-0bf833287b2cf27f3

ap-south-1b

Feedback

English

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Name	Volume ID	Size	Volume Type	IOPS	Snapshot	Created	Availability Zone	State	Alarm
Testing-Lab	vol-0882d61...					July 10, 2017 at 11:...	ap-south-1b	in-use	None

Create Snapshot

✓ Snapshot Creation Started

View snapshot [snap-07660e0b5828a0d80](#)

Close

Volumes: vol-0882d617cde07ed29 (Testing-Lab)

Description

Status Checks

Monitoring

Tags

Volume ID

Size

Created

Alarm status

Snapshot

Availability Zone

vol-0882d617cde07ed29

30 GiB

July 10, 2017 at 11:57:54 PM UTC+5:30

None

[snap-0bf833287b2cf27f3](#)

ap-south-1b

Feedback

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Create Snapshot Actions

Owned By Me Filter by tags and attributes or search by keyword

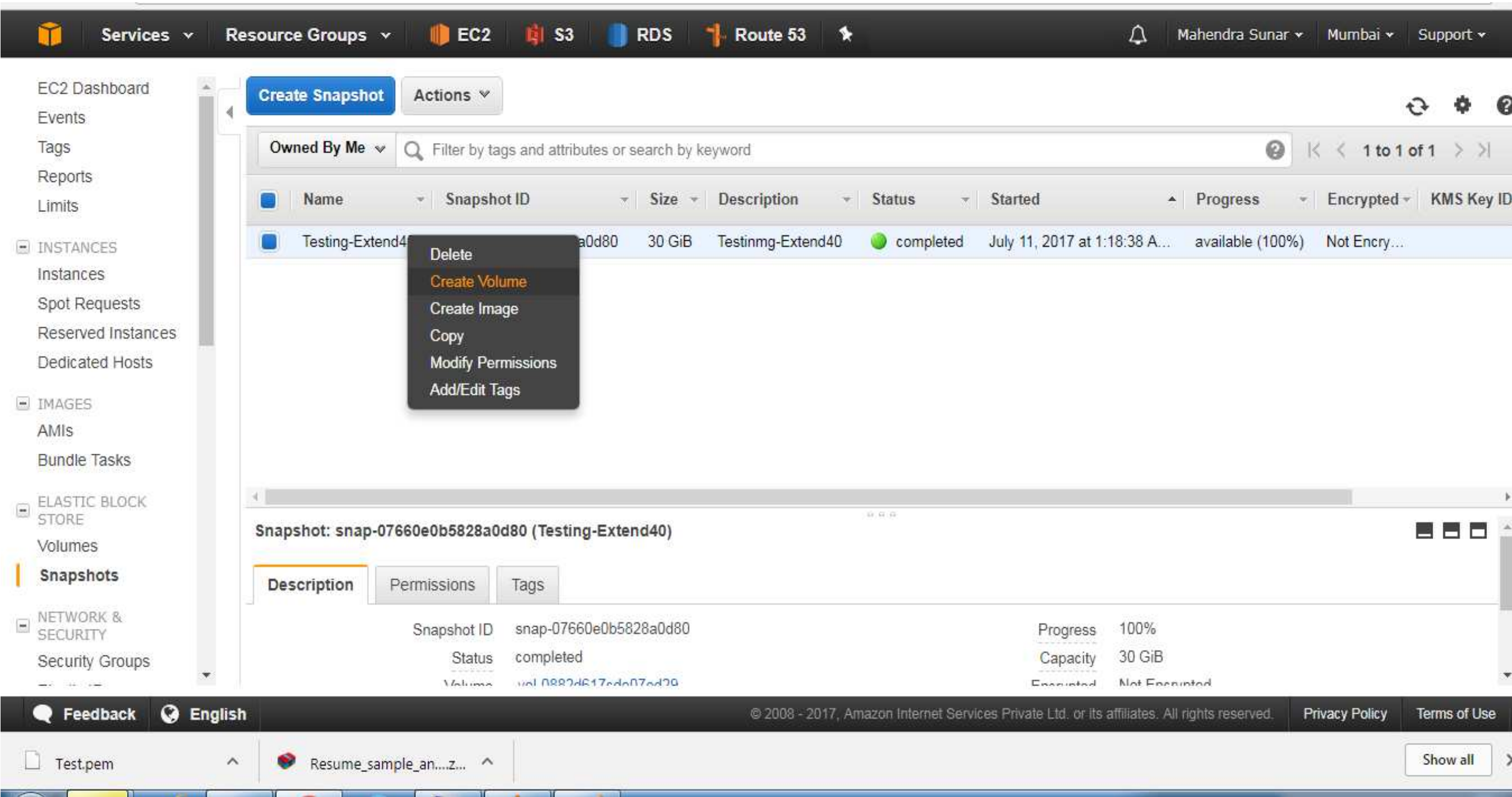
Name	Snapshot ID	Size	Description	Status	Started	Progress	Encrypted	KMS Key ID
Testing-Extend40	snap-07660e0b5828a0d80	30 GiB	Testinmg-Extend40	completed	July 11, 2017 at 1:18:38 A...	available (100%)	Not Encry...	

Snapshot: snap-07660e0b5828a0d80 (Testing-Extend40)

- Description
- Permissions
- Tags

Snapshot ID	snap-07660e0b5828a0d80	Progress	100%
Status	completed	Capacity	30 GiB
Volume	vol-0887d6f17cda07cd79	Encrypted	Not Encrypted

To increase the size of storage 30 GiB to 40GiB, new volume of 40GiB is created using the snapshot created.



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search : vol-0665881183d1350b0

Add filter

1 to 1 of 1

	Name	Volume ID	Size	Volume Type	IOPS	Snapshot	Created	Availability Zone	State	Alarm Status
		vol-0665881183d1350b0	40 GiB	gp2	120 / 3000	snap-07660e0...	July 11, 2017 ...	ap-south-1b	available	None

Volumes: vol-0665881183d1350b0

Description

Status Checks

Monitoring

Tags

Volume ID

Size

Created

Alarm status

Snapshot

Availability Zone

vol-0665881183d1350b0

40 GiB

July 11, 2017 at 1:39:43 AM UTC+5:30

None

snap-07660e0b5828a0d80

ap-south-1b

Feedback

English

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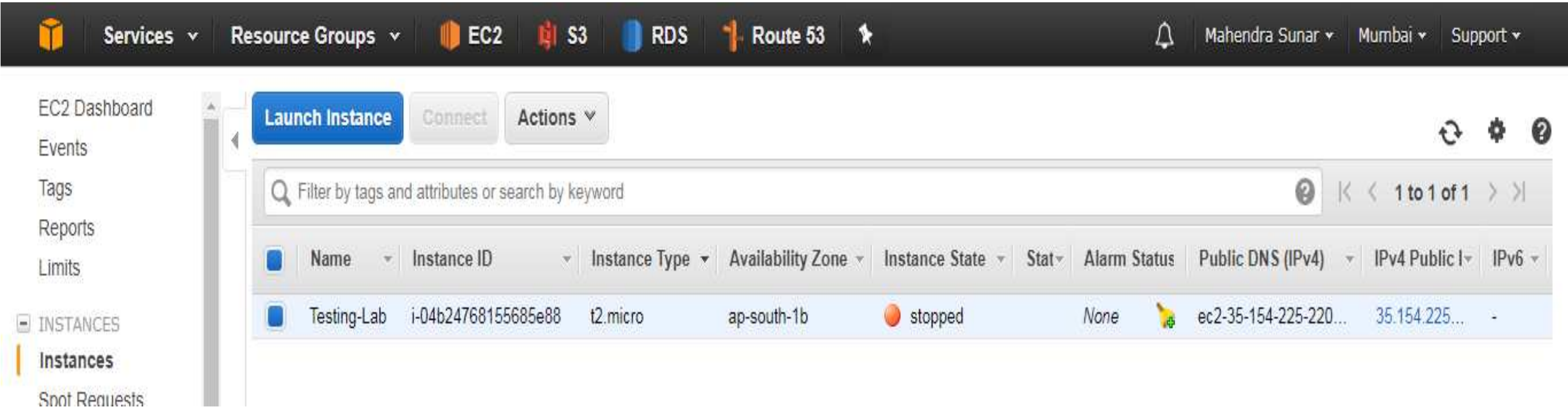
Terms of Use

Test.pem

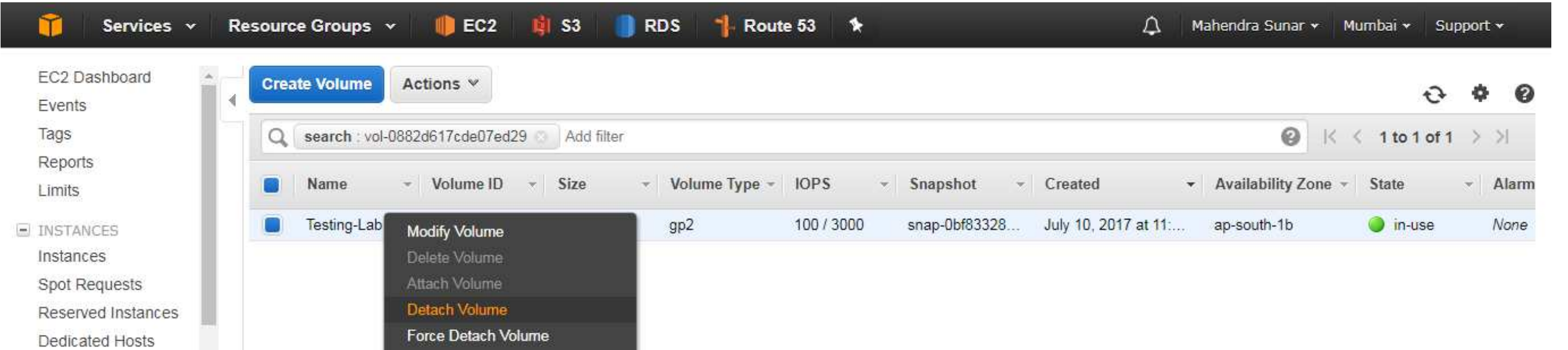
Resume_sample_an....z...

Show all

EC2 instance is stopped, so that new 40GiB volume can be attached to it.



The existing 30GiB volume is detached from EC2 instance.



New volume is attached to the instance, thereafter the instance is started to run with new volume.

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search : vol-0665881183d1350b0

Add filter

	Name	Volume ID	Size	Volume Type	IOPS	Snapshot	Created	Availability Zone	State	Alarm Status	
		vol-0665881183d1350b0	40 GiB	gp2	120 / 3000	snap-07660e0...	July 11, 2017 ...	ap-south-1b	in-use	None	

Also, extended volume is updated in local windows server where the instance is remotely used.

