

## Attach EC2 external volumes:

- 1.Go to EC2 dashboard
- 2.Click on instance and click launch instances
- 3.Choose AMI (Linux)->t2 micro ->add storage->add tags-> configure security groups -> launch
- 4.Go to volumes -> click on create volume
- 5.In volume settings, take 2 GiB size of volume6.Select same AZ for that instance which we want to attach
- 7.Click on create button
- 8.Click the external volume and click on the action drop down list
- 9.Select attach volume10.Select the instance from the instance dropdown list
- 11.Click on attach volume button
- 12.And finally it will be attached

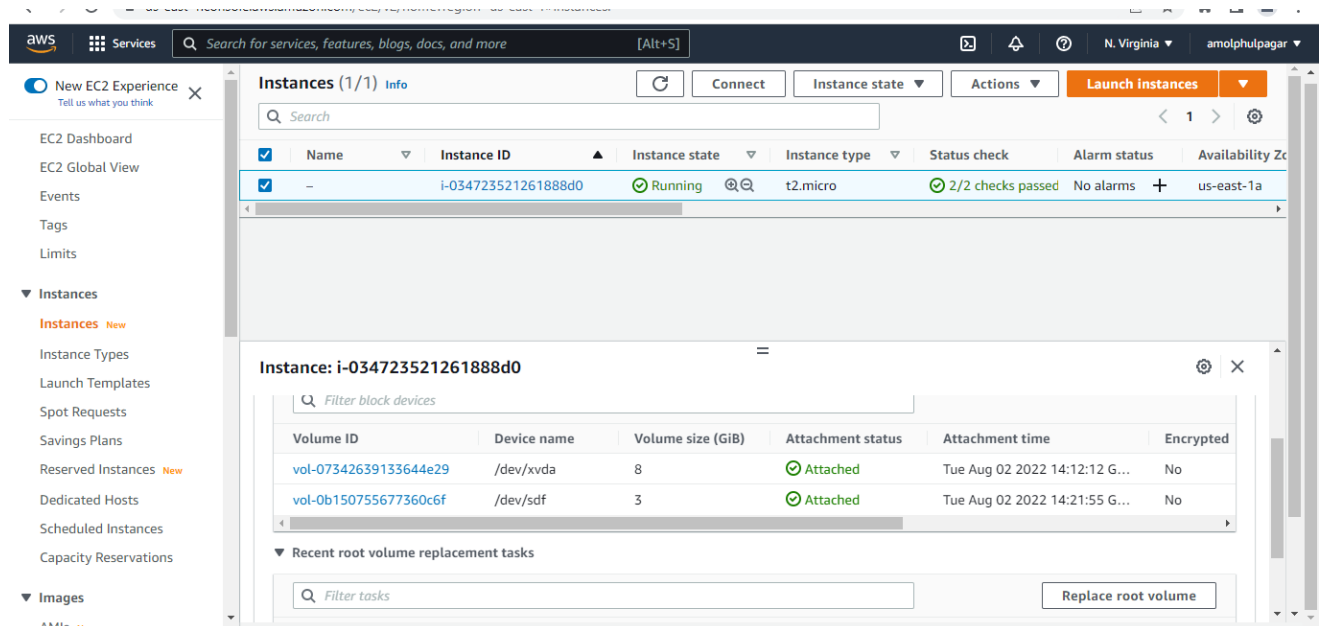
The screenshot displays the AWS Management Console interface. On the left, the navigation menu includes 'New EC2 Experience', 'EC2 Dashboard', 'EC2 Global View', 'Events', 'Tags', 'Limits', 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Scheduled Instances', 'Capacity Reservations', and 'Images'. The main content area shows the 'Instances (1/1)' page for instance 'i-034723521261888d0'. The instance is in a 'Running' state, using the 't2.micro' instance type, and has '2/2 checks passed'. Below the instance details, a table lists the attached volumes:

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted
vol-07342639133644e29	/dev/xvda	8	Attached	Tue Aug 02 2022 14:12:12 G...	No
vol-0b150755677360c6f	/dev/sdf	2	Attached	Tue Aug 02 2022 14:21:55 G...	No

Below the volume table, there is a section for 'Recent root volume replacement tasks' with a 'Replace root volume' button.

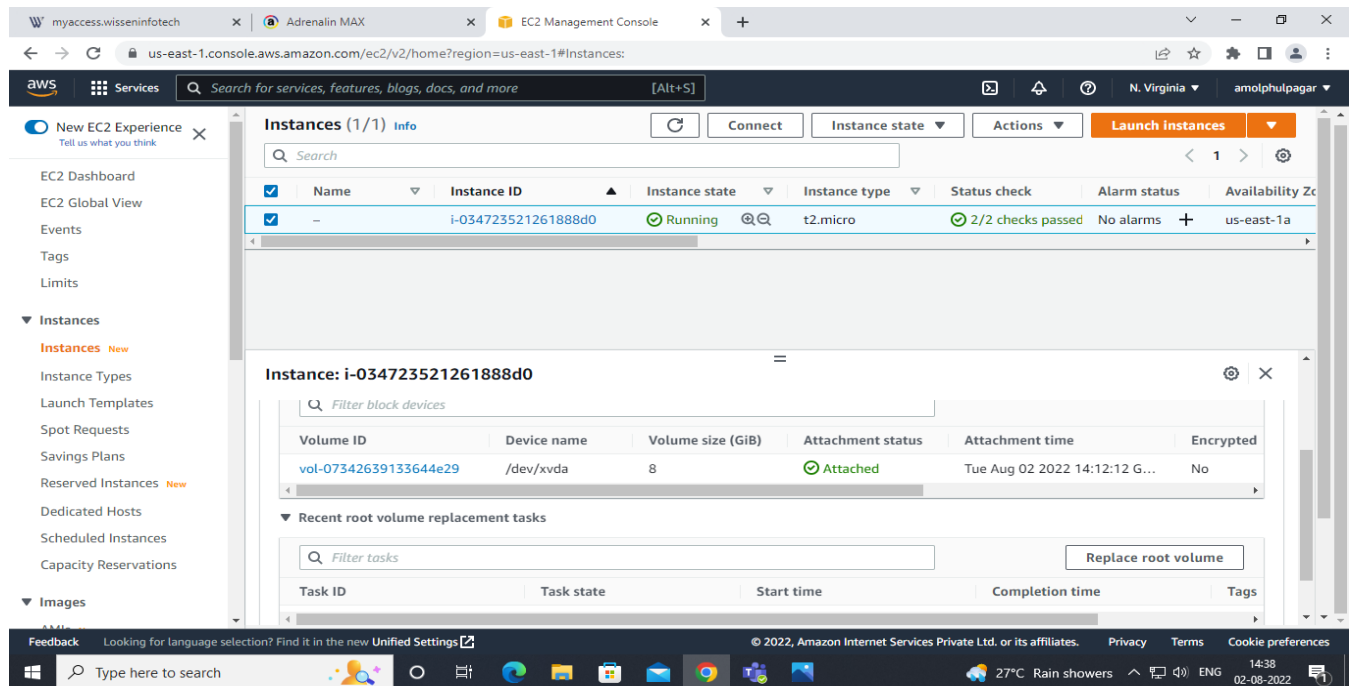
We can change the volume size:

1. Go to volume and click on the action drop down list
2. Click on modify volume
3. Change the size from 2 to 3
4. Click on modify button and it will reflect on instance storage



Detach external volumes:

1. Go to volumes and select the volume which we want to detach.
2. Select the action drop down list.
3. Select the detach volume and click on detach button.
4. Now go to instance you see there is no external volume is available.
5. We can easily detach the external volume by select the action drop down list -> click on delete volume.

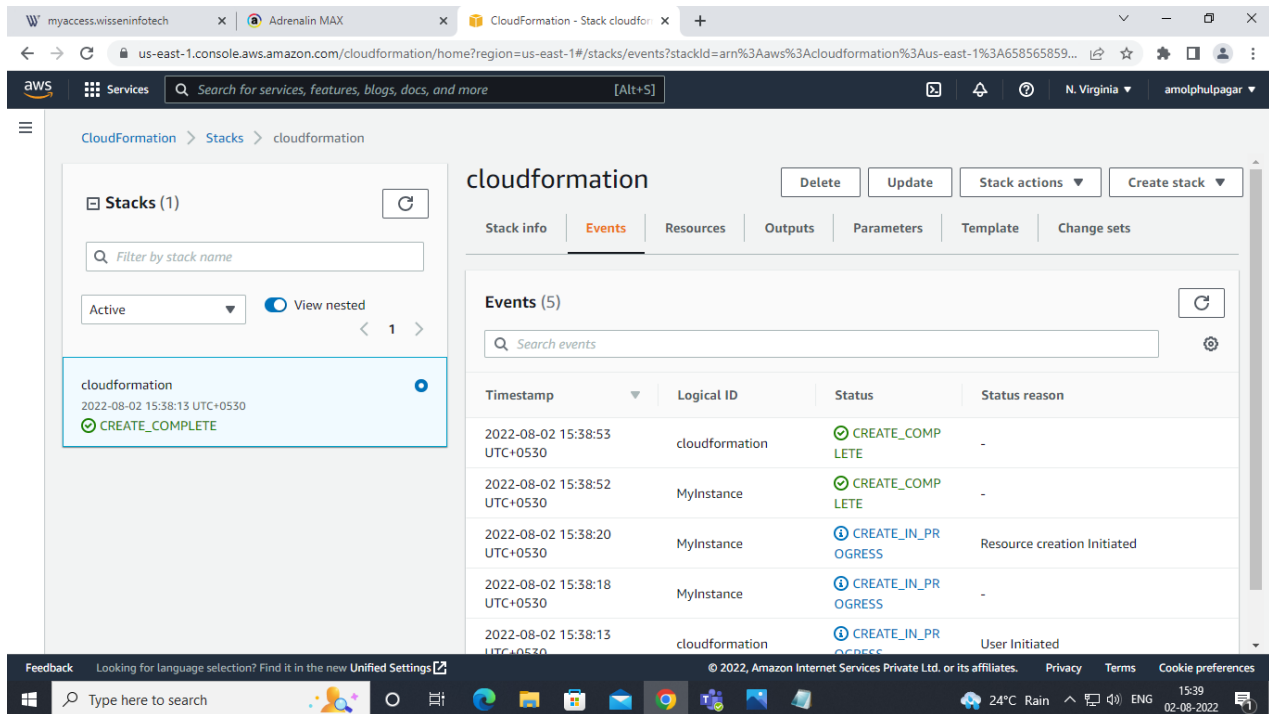


Cloud Formation: Method of provisioning AWS infrastructure using code. It allows you to model a collection of related resources, both AWS and third party, to provision them quickly and consistently.

Procedure:

1. Launch an instance by YAML scripting.
2. Search cloud formation.
3. click on cloud formation.
4. Create stack.
5. Click on template is ready -> upload a template file
6. Then choose YAML or JSON file from your local machine and go to next.
7. Write the stack name -> Click on next button -> next button -> create stack.

8. Now go back and validate that ec2 instance will be launched with yam1 script.



The screenshot displays the AWS CloudFormation console for a stack named 'cloudformation'. The 'Events' tab is selected, showing a list of 5 events. The stack is in a 'CREATE\_COMPLETE' state, as indicated by the green checkmark and the 'CREATE\_COMPLETE' status in the left sidebar. The events table shows the following details:

Timestamp	Logical ID	Status	Status reason
2022-08-02 15:38:53 UTC+0530	cloudformation	CREATE_COMPLETE	-
2022-08-02 15:38:52 UTC+0530	MyInstance	CREATE_COMPLETE	-
2022-08-02 15:38:20 UTC+0530	MyInstance	CREATE_IN_PROGRESS	Resource creation Initiated
2022-08-02 15:38:18 UTC+0530	MyInstance	CREATE_IN_PROGRESS	-
2022-08-02 15:38:13 UTC+0530	cloudformation	CREATE_IN_PROGRESS	User Initiated

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s3.console.aws.amazon.com/s3/buckets?region=us-east-1

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**Storage Lens**

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Feature spotlight 3

**Account snapshot**  
Storage lens provides visibility into storage usage and activity trends. [Learn more](#) [View Storage Lens dashboard](#)

**Buckets (1) Info** [Refresh](#) [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

Name	AWS Region	Access	Creation date
cf-templates-1tw3u7y31roe4-us-east-1	US East (N. Virginia) us-east-1	Bucket and objects not public	August 2, 2022, 15:34:30 (UTC+05:30)

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us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:instanceState=running

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**New EC2 Experience**  
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EC2 Dashboard  
EC2 Global View  
Events  
Tags  
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**Instances**

**Instances** New

Instance Types  
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**Images**

**Instances (1/2) Info** [Refresh](#) [Connect](#) [Instance state](#) [Actions](#) [Launch Instances](#)

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Instance state = running Clear filters

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
-	i-07dee401787a2d7d1	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a
-	i-034723521261888d0	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a

**Instance: i-07dee401787a2d7d1**

**Details** Security Networking Storage Status checks Monitoring Tags

**Instance summary Info**

Instance ID i-07dee401787a2d7d1	Public IPv4 address 35.175.235.117   <a href="#">open address</a>	Private IPv4 addresses 172.31.94.189
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-35-175-235-117.compute-1.amazonaws.com   <a href="#">open address</a>

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