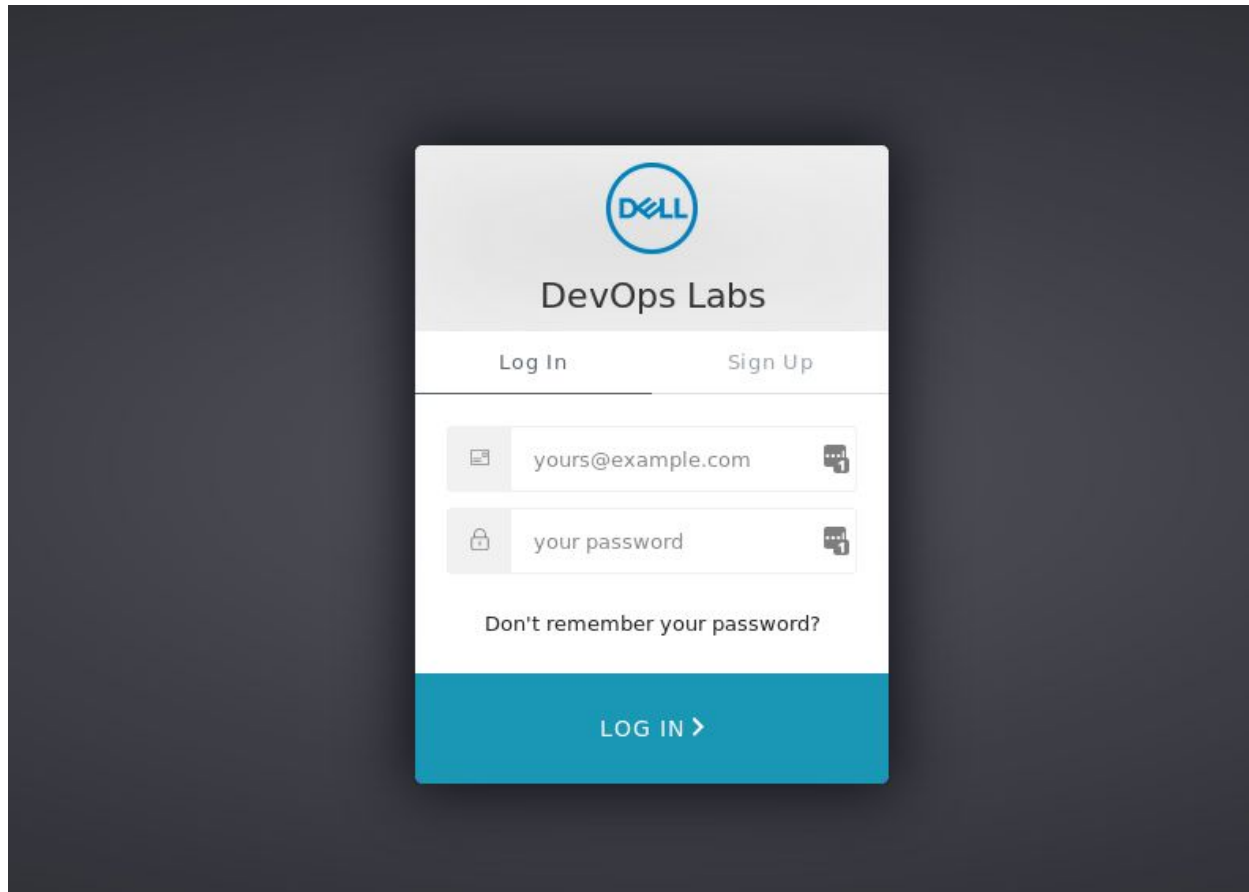


To login to the AWS account please browse to the below URL

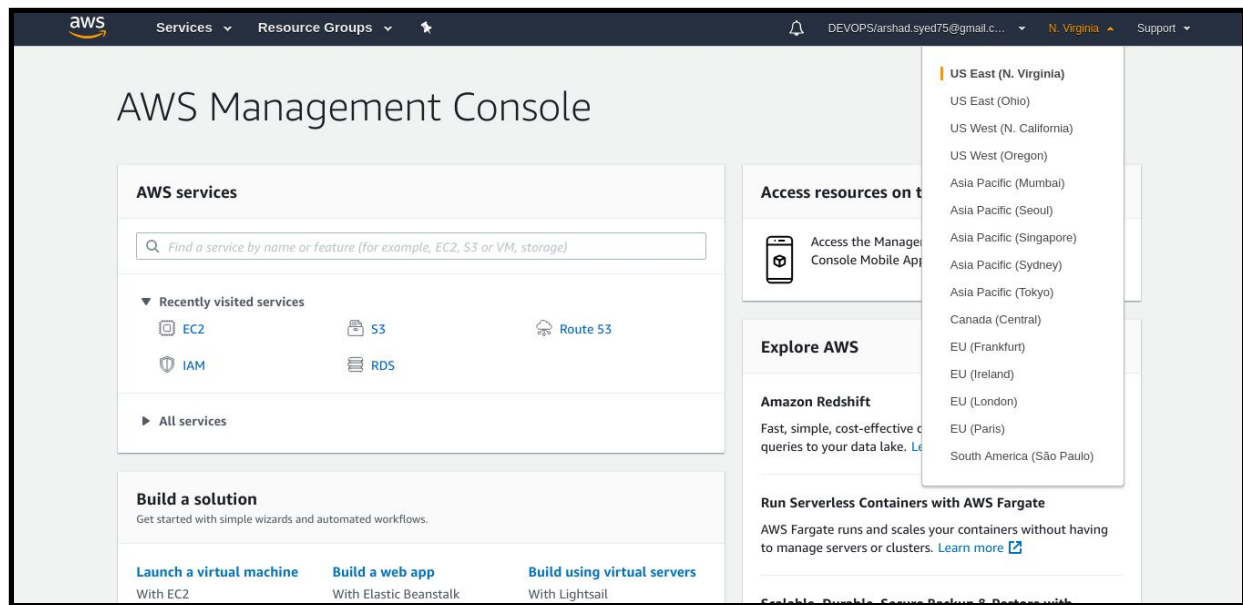
<https://bit.ly/2sBneRR>

Signup with your **email account** and you will be redirected to AWS Console as shown below

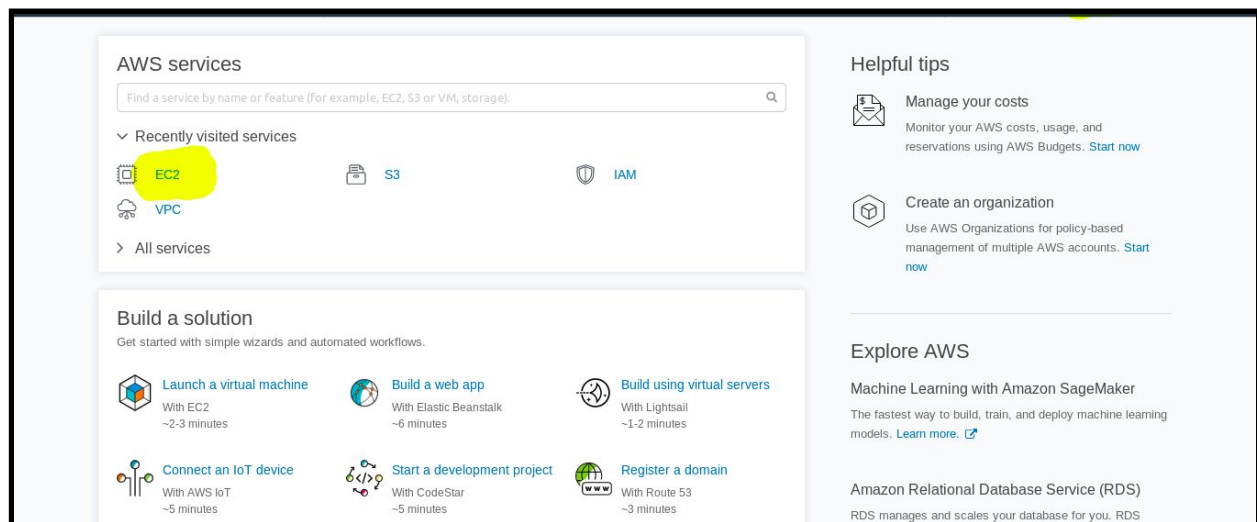


Make sure that you are in **N.Virginia** region

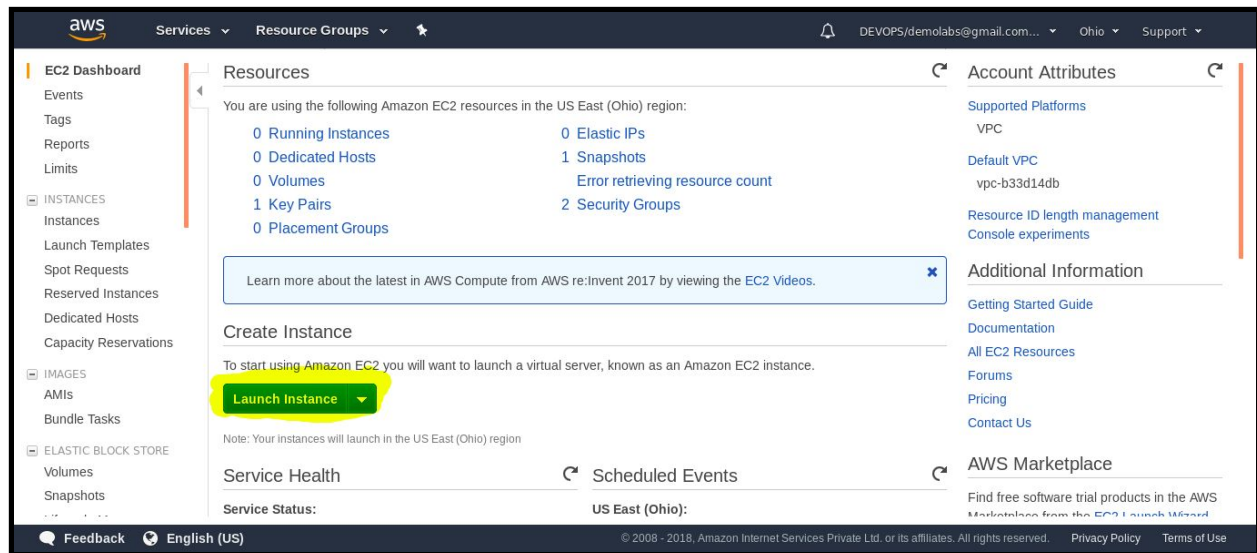
If you have been redirected to Ohio region please update the region to N.Virginia from the dropdown from the top right as shown below.



Now click on **EC2** (Elastic Compute Cloud).

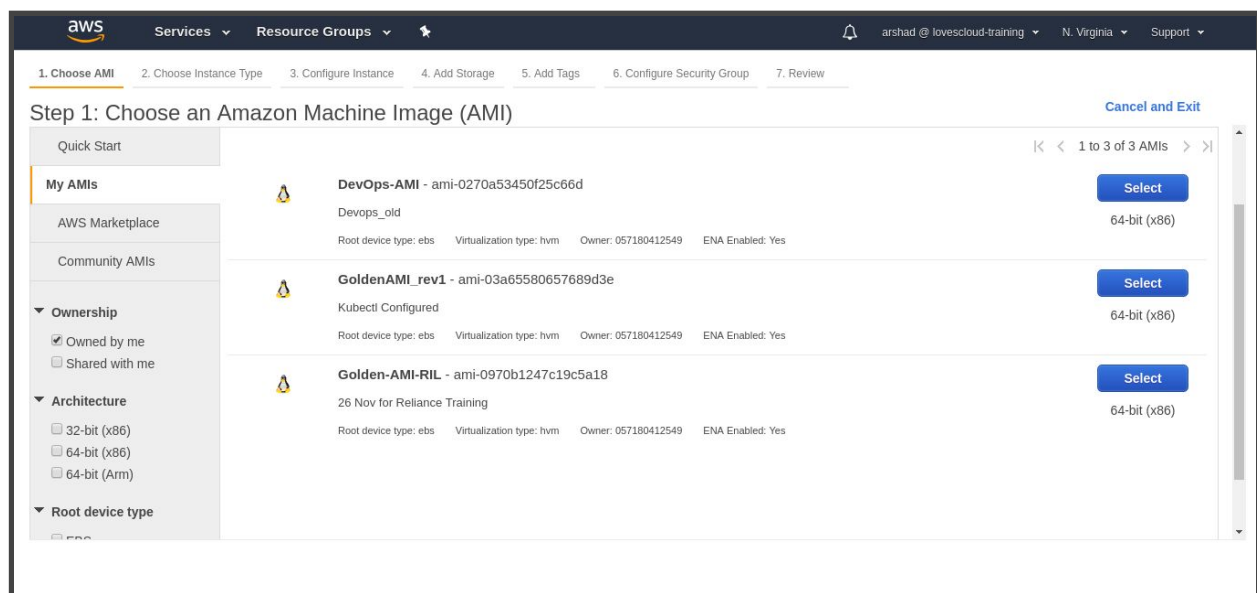


On the **EC2 Dashboard** click on **Launch Instance** as shown above.



Under **My AMIs** select **GoldenAMI - ami-05c0cf14c0d9b46ff**

Now, select the **General purpose t2.micro** as the **Instance Type** and Click on **Next: Configure**



Instance Details

aws

Services

Resource Groups

DEVOPS/demolabs@gmail.com...

Ohio

Support

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. Review

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by:

All instance types

Current generation

[Show/Hide Columns](#)

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Configure Instance Details](#)

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Size(GiB) of the instance is 30GiB, Click Next:Add Tag

aws

Services

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DEVOPS/demolabs@gmail.com...

Ohio

Support

1. Choose AMI

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6. Configure Security Group

7. Review

Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encrypted
Root	/dev/sda1	snap-0df2a2ef7e82cf1c9	30	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

[Add New Volume](#)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Tags](#)

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Under Key type **Name** and a tag name (ex your name) so that you can identify your instance once it has been launched and then click on **Next: Configure Security Group**

Step 5: Add Tags

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.
A copy of a tag can be applied to volumes, instances or both.
Tags will be applied to all instances and volumes. [Learn more](#) about tagging your Amazon EC2 resources.

Key	Value	Instances	Volumes
Name	demouser	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

[Add another tag](#) (Up to 50 tags maximum)

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Configure Security Group](#)

Under **Assign Security Group** : **Select an existing security group** and select the **Golden-AMI** group and then click on **Review and Launch**

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: ☐ Create a new security group ☒ Select an existing security group

Security Group ID	Name	Description	Actions
<input type="checkbox"/> sg-093e126f3af105000	aa-web-sg	aa-web-sg	Copy to new
<input type="checkbox"/> sg-7229e038	default	default VPC security group	Copy to new
<input checked="" type="checkbox"/> sg-090667d993272ca6b	Golden-AMI	launch-wizard-1 created 2018-10-18T12:24:18.080+05:30	Copy to new
<input type="checkbox"/> sg-05d3b95298e8de659	launch-wizard-1	launch-wizard-1 created 2018-10-22T15:18:25.785+05:30	Copy to new

Inbound rules for sg-090667d993272ca6b (Selected security groups: sg-090667d993272ca6b)

Type	Protocol	Port Range	Source	Description
HTTP	TCP	80	0.0.0.0/0	
HTTP	TCP	80	:::0	

[Cancel](#) [Previous](#) [Review and Launch](#)

Review the instance details by scrolling the page and click on **Launch** once all the details are verified.

Step 7: Review Instance Launch

Improve your instances' security. Your security group, default, is open to the world.
Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

AMI Details [Edit AMI](#)

DevOps-AMI - ami-0351cfbc0b958e2cd
[Copied ami-0270a53450f25c66d from us-east-1] DevOps-AMI
Root Device Type: ebs Virtualization type: hvm

Instance Type [Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

[Cancel](#) [Previous](#) [Launch](#)

Select **Choose an existing key pair** and select **GoldenAMI**, acknowledge and click on **Launch Instance**

Select an existing key pair or create a new key pair

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Choose an existing key pair
Select a key pair
GoldenAMI

☒ I acknowledge that I have access to the selected private key file (GoldenAMI.pem), and that without this file, I won't be able to log into my instance.

[Cancel](#) [Launch Instances](#)

Goto the Ec2 Dashboard and get the details of the instance you just launched.

The screenshot shows the AWS Management Console interface. On the left is a navigation menu with options like EC2 Dashboard, Events, Tags, Reports, Limits, INSTANCES, Launch Templates, Spot Requests, Reserved Instances, Dedicated Hosts, Capacity Reservations, IMAGES, AMIs, Bundle Tasks, ELASTIC BLOCK STORE, and Volumes. The main area displays a table of EC2 instances. One instance named 'demouser' is highlighted, with Instance ID 'i-091f1da631aef89cf', Instance Type 't2.micro', Availability Zone 'us-east-2b', and State 'running'. Below the table, the details for this instance are shown. The 'Description' tab is active, displaying a table of instance attributes.

Instance: i-091f1da631aef89cf (demouser)		Public DNS: ec2-18-224-151-191.us-east-2.compute.amazonaws.com	
Instance ID	i-091f1da631aef89cf	Public DNS (IPv4)	ec2-18-224-151-191.us-east-2.compute.amazonaws.com
Instance state	running	IPv4 Public IP	18.224.151.191
Instance type	t2.micro	IPv6 IPs	-
Elastic IPs		Private DNS	ip-172-31-18-11.us-east-2.compute.internal
Availability zone	us-east-2b	Private IPs	172.31.18.11
Security groups	default: view inbound rules , view outbound rules	Secondary private IPs	
Scheduled events	No scheduled events	VPC ID	vpc-b33d14db

You can search for the instance under the search field with the **tag name** you associated during the launch configuration.

Under the instance details you can find the Public IP address of the instance you just launched. Once the **instance state** is **running** and **status check** is complete you can ssh to the instance with the below details.

Username : devops

Password : Dev0p\$!@/

To ssh to the instance : `ssh devops@<ip-addr-of-ec2-instance>`

Ex : `ssh devops@xxx.xxx.xxx.xxx` hit enter and enter the password shared above

