

AWS Lab Access

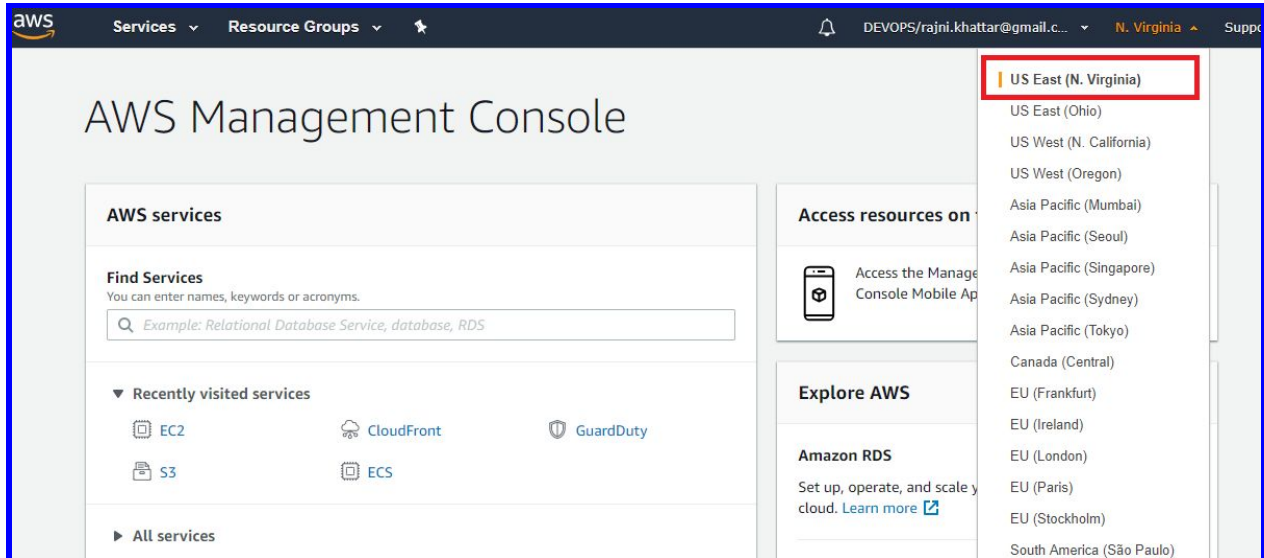
To login to the AWS account, please browse to the below URL:

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

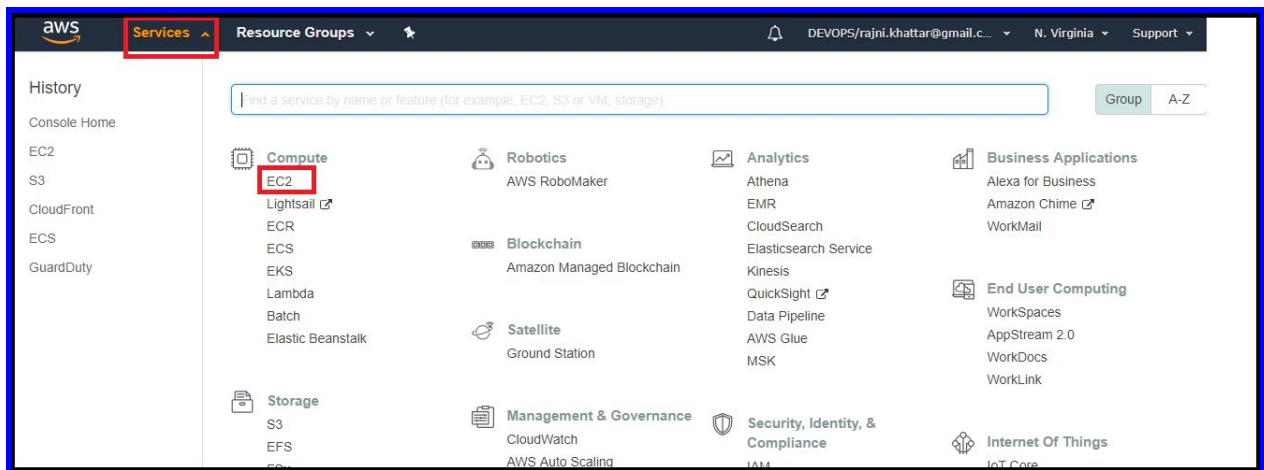
Signup with your **email account** and you will be redirected to AWS Console as shown below

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.

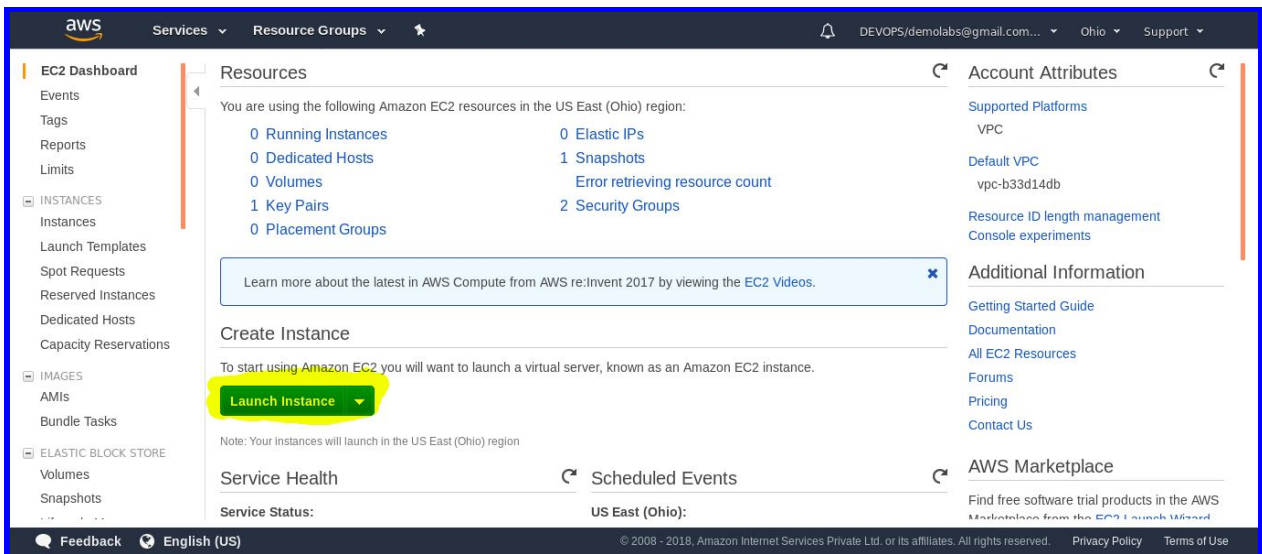


Now navigate to Services -> Click on **EC2** (Elastic Compute Cloud).

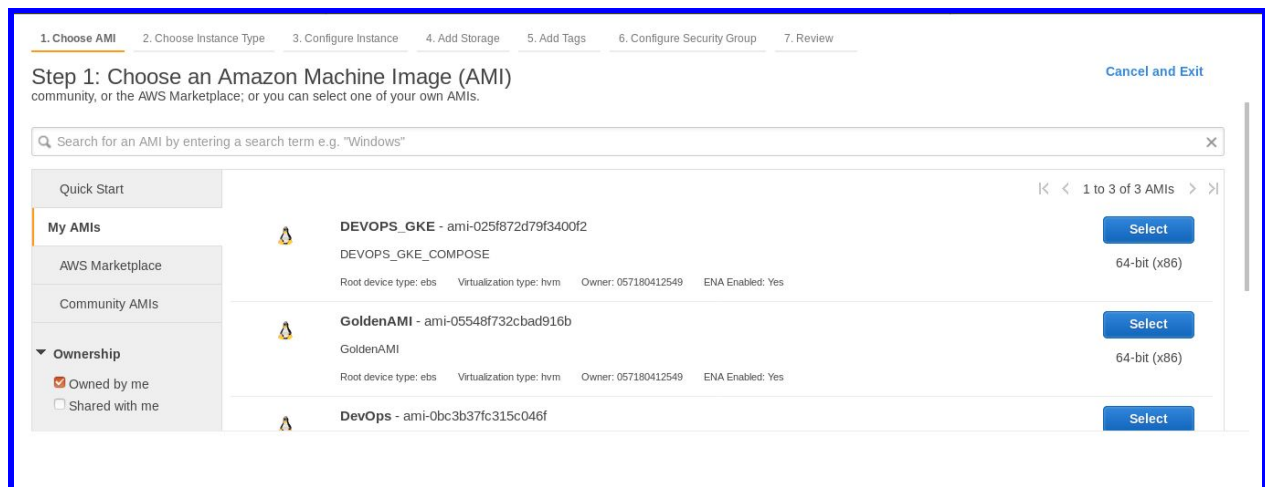


Follow the steps mentioned below:-

1.) On the **EC2 Dashboard**, click on **Launch Instance** as shown below:



2.) Select **DEVOPS_GKE** with **AMI-ID ami-025f872d79f3400f2** available under **My AMIs**



3.) Now on **Choose Instance Type** tab, Scroll down and select the **General purpose t2.micro** as the **Instance Type** and Click on **Next: Configure Instance Details**

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

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
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes

Cancel Previous **Review and Launch** Next: Configure Instance Details

4.) On **Configure Instance Tab**, Click on **Next: Add Storage** button

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 3: Configure Instance Details

Number of instances: 1 Launch into Auto Scaling Group

Purchasing option: ☐ Request Spot instances

Network: vpc-7c100b06 | DefaultVPC (default) [Create new VPC](#)

Subnet: No preference (default subnet in any Availability Zone) [Create new subnet](#)

Auto-assign Public IP: Use subnet setting (Enable)

Placement group: ☐ Add instance to placement group

Capacity Reservation: Open [Create new Capacity Reservation](#)

IAM role: None [Create new IAM role](#)

CPU options: ☐ Specify CPU options

Shutdown behavior: Stop

Cancel Previous **Review and Launch** **Next: Add Storage**

5.) On **Add Storage** Tab, Ensure the **Size(GiB)** of the instance is **30GiB**, Click **Next:Add Tag**

The screenshot shows the AWS Management Console interface for Step 4: Add Storage. The top navigation bar includes the AWS logo, Services, Resource Groups, and user information. The breadcrumb trail shows steps from Choose AMI to Review. The main content area is titled 'Step 4: Add Storage' and explains that the instance will be launched with specific storage settings. A table lists the root volume configuration: Volume Type (Root), Device (/dev/sda1), Snapshot (snap-0df2a2ef7e82cf1c9), Size (30 GiB), Volume Type (General Purpose SSD (gp2)), IOPS (100 / 3000), Throughput (N/A), Delete on Termination (checked), and Encrypted (Not Encrypted). Below the table is an 'Add New Volume' button and a note about the free tier. At the bottom, there are buttons for 'Cancel', 'Previous', 'Review and Launch', and 'Next: Add Tags'.

6.) On **Add Tags** Tab, Click on the **Add Tag** button.

Under **Key**, type **Name** and in **Value**, type a tag name in the format **<your-name>** and replace **<your-name>** with your name so that you can identify your instance once it has been launched and then click on **Next: Configure Security Group** button.

The screenshot shows the AWS Management Console interface for Step 5: Add Tags. The breadcrumb trail shows steps from Choose AMI to Review. The main content area is titled 'Step 5: Add Tags' and explains that a tag consists of a case-sensitive key-value pair. A table shows the tag configuration: Key (Name), Value (DEMO), Instances (checked), and Volumes (checked). Below the table is an 'Add another tag' button and a note about the maximum number of tags. At the bottom, there are buttons for 'Cancel', 'Previous', 'Review and Launch', and 'Next: Configure Security Group'.

7.) On **Configure Security Group** Tab, Select **Assign Security Group** as **Select an existing security group** and select the security group with **Name** as **Golden-AMI** and then click on **Review and Launch** button

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

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-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

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

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

8.) On **Review** Tab, Review the instance details by scrolling the page and click on **Launch** button once all the details are verified.

Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

⚠ Improve your instances' security. Your security group, Golden-AMI, 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](#)

GoldenAMI - ami-059113641dbd11a76
 [Copied ami-0c7348839b5bc772 from us-east-2] GoldenAMI
 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
micro	1	1	1	16	Yes	Low to Moderate

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

9.) Select **Choose an existing key pair** and select **GoldenAMI**, Select the **I acknowledge** checkbox and click on **Launch Instances**

AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Review Instance Launch

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Details [Edit AMI](#)

Golden-AMI-RIL - ami-0970b12
 26 Nov for Reliance Training
 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
micro	1	1	1	16	Yes	Low to Moderate

Security Groups [Edit security groups](#)

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](#)

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

After completing the steps 1-9 , Navigate to **EC2 Dashboard > Instances** and View the details of the instance you just launched.

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

Once the **Instance State** start showing **running** and **Status Checks** shows **2/2 checks passed**, Your instances will be launched completely . Select the instance row to view its details.You can find the Public IP address and other details of the instance in the **Description** Tab.

Note: the credentials for your instances are :--

Username : devops

Password : Dev0p\$!!/

Run this command and replace xxx.xxx.xxx.xxx with public ip of your Workstation.

\$ ssh devops@xxx.xxx.xxx.xxx

Hit enter and enter the password **Dev0p\$!!/** when prompted