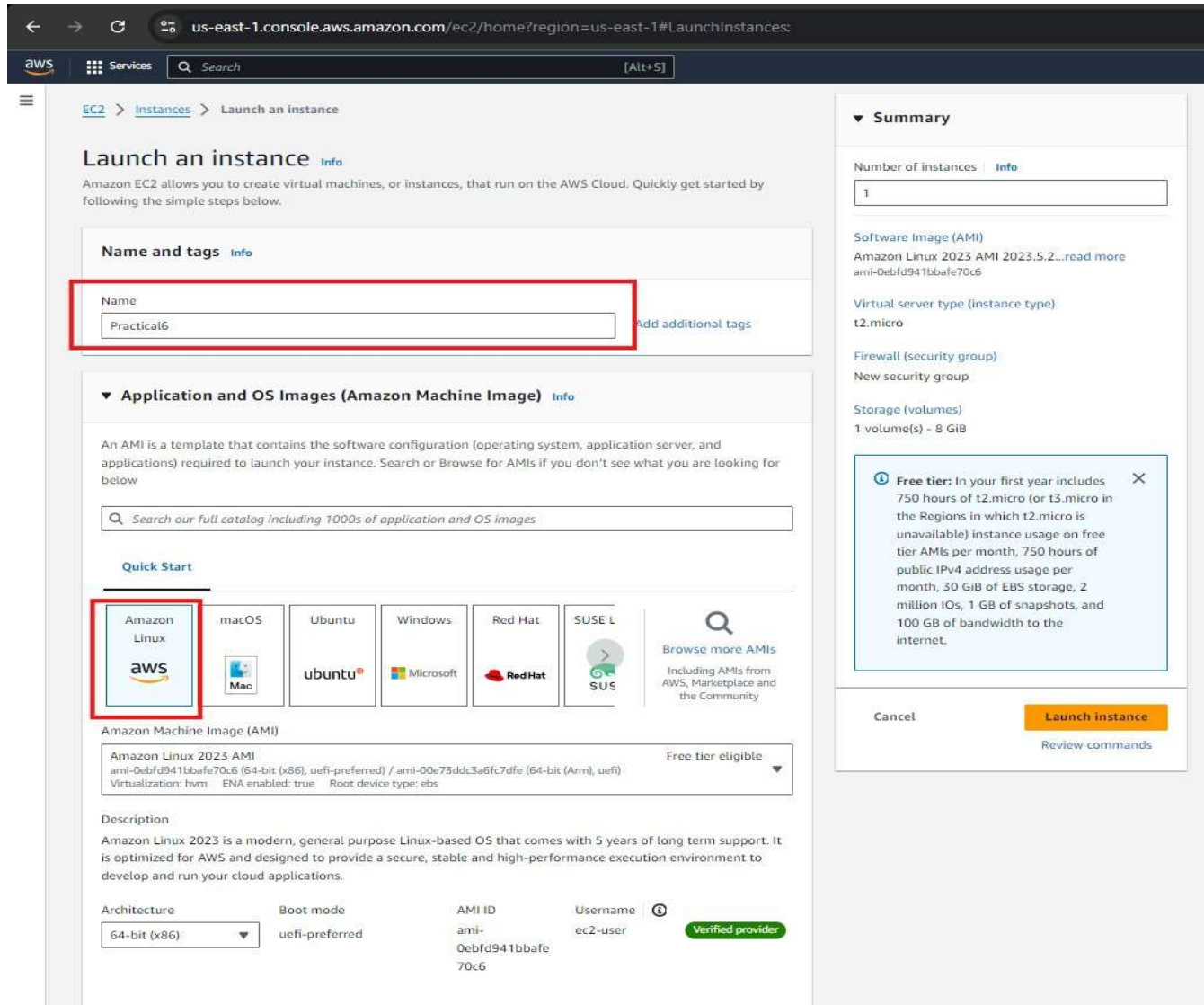


Practical – 6: Amazon Elastic Block Store.

Step 01: Open your AWS > Module section > Sandbox > Load Sandbox > Start Lab > AWS > Type in search box “EC2” then click on first link > Click on “Launch Instance” then create INSTANCE after you go to “Instance Running” then click on your check box after click on “Connect”.

Screenshot:



The screenshot displays the AWS Management Console interface for launching an EC2 instance. The browser address bar shows the URL: `us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:`. The console header includes the AWS logo, a 'Services' menu, a search bar, and an '[Alt+S]' shortcut.

The main content area is titled 'Launch an instance' with an 'Info' link. Below the title, a brief description states: 'Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.'

The 'Name and tags' section is highlighted with a red box. It contains a 'Name' field with the value 'Practical6' and an 'Add additional tags' link.

The 'Application and OS Images (Amazon Machine Image)' section is also highlighted with a red box. It includes a search bar with the placeholder text 'Search our full catalog including 1000s of application and OS images'. Below the search bar, a 'Quick Start' section displays a grid of operating system logos: Amazon Linux, macOS, Ubuntu, Windows, Red Hat, and SUSE Linux. The 'Amazon Linux' logo is highlighted with a red box. To the right of the grid is a 'Browse more AMIs' link with the text 'Including AMIs from AWS, Marketplace and the Community'.

Below the 'Quick Start' section, the 'Amazon Machine Image (AMI)' section shows the selected AMI: 'Amazon Linux 2023 AMI' with ID 'ami-0ebfd941bbafe70c6'. It also indicates 'Free tier eligible'.

The 'Summary' panel on the right side of the console provides a overview of the configuration:

- Number of instances:** 1
- Software Image (AMI):** Amazon Linux 2023 AMI 2023.5.2...read more
- Virtual server type (instance type):** t2.micro
- Firewall (security group):** New security group
- Storage (volumes):** 1 volume(s) - 8 GiB

A 'Free tier' notification box is present, stating: 'Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.'

At the bottom right, there are two buttons: 'Cancel' and 'Launch instance'. Below the 'Launch instance' button is a link for 'Review commands'.

Create key pair

Key pair name

Key pairs allow you to connect to your instance securely.

Practical6

Key pair type

☒ RSA
 RSA encrypted private and public key pair

☐ ED25519
 ED25519 encrypted private and public key pair

Private key file format

☒ .pem
 For use with OpenSSH

☐ .ppk
 For use with PuTTY

When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. [Learn more](#)

Cancel Create key pair

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

Subnet

No preference (Default subnet in any availability zone)

Auto-assign public IP

Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups)

Create security group

Select existing security group

We'll create a new security group called 'launch-wizard-1' with the following rules:

☒ Allow SSH traffic from
 Helps you connect to your instance. Anywhere 0.0.0.0/0

☒ Allow HTTPS traffic from the internet
 To set up an endpoint, for example when creating a web server.

☒ Allow HTTP traffic from the internet
 To set up an endpoint, for example when creating a web server.

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Configure storage

1x 8 GiB gp3 Root volume (Not encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems

Advanced details

Summary

Number of instances

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.5.2...read more
ami-0ebfd941bbafe70c6

Virtual server type (instance type)

t2.micro

Firewall (security group)

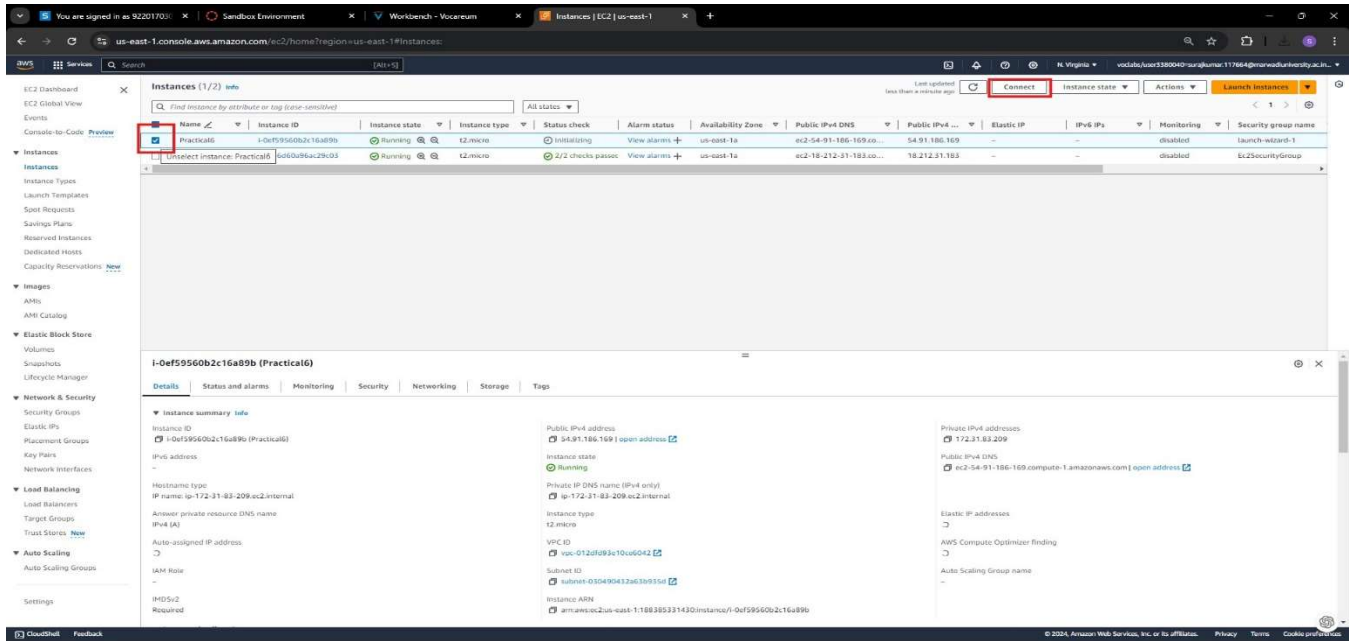
New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance
 Review commands



Step 2: Open default terminal then writes “**lsblk**” command to check list block.

Screenshot:

