

Homework 1

1. Create instance

The screenshot shows the AWS Management Console interface for launching an EC2 instance. The browser address bar shows the URL `https://us-west-2.console.aws.a...`. The console header includes the AWS logo, navigation icons, and the account ID `9755-9847...` with the role `AWSCli2`.

The breadcrumb navigation shows `EC2 > Instances > Launch an instance`. The main heading is **Launch an instance** with an [Info](#) link. Below this, a descriptive paragraph 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 first step is **Name and tags** with an [Info](#) link. It contains a **Name** label and a text input field with the value `homeworkone`. Below the input field is a link [Add additional tags](#).

The second step is **Application and OS Images (Amazon Machine Image)** with an [Info](#) link. It includes a paragraph: "An AMI contains the operating system, application server, and applications for your instance. If you don't see a suitable AMI below, use the search field or choose **Browse more AMIs**." Below this is a search bar with the placeholder text `Search our full catalog including 1000s of application and OS images`.

At the bottom of this section are two tabs: **Recents** and **Quick Start** (which is selected). Under the **Quick Start** tab, there are four buttons: **Amazon**, **macOS**, **Ubuntu**, and **Windows**. The **Amazon** button is highlighted.

The footer of the console includes a [Feedback](#) link, [Privacy](#) and [Terms](#) links, a [Cookie preferences](#) link, and a copyright notice: `© 2025, Amazon Web Services, Inc. or its affiliates.`

https://us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#LaunchInstances:

Search

[Alt+S]

United States (Oregon)

Account ID: 9755-9847-1165

AWSCLI2

EC2 > Instances > Launch an instance

On-Demand RHEL base pricing: 0.0392 USD per Hour On-Demand Linux base pricing: 0.0104 USD per Hour

Additional costs apply for AMIs with pre-installed software

▼ Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

Proceed without a key pair (Not recommended) Default value Create new key pair

▼ Network settings Info

Network Info

vpc-04b8a9707a63f6a2f | Default

Subnet Info

No preference (Default subnet in any availability zone)

Auto-assign public IP Info

Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

Edit

▼ Summary

Number of instances Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.8.2...read more

ami-06a974f9b8a97ecf2

Virtual server type (instance type)

t3.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

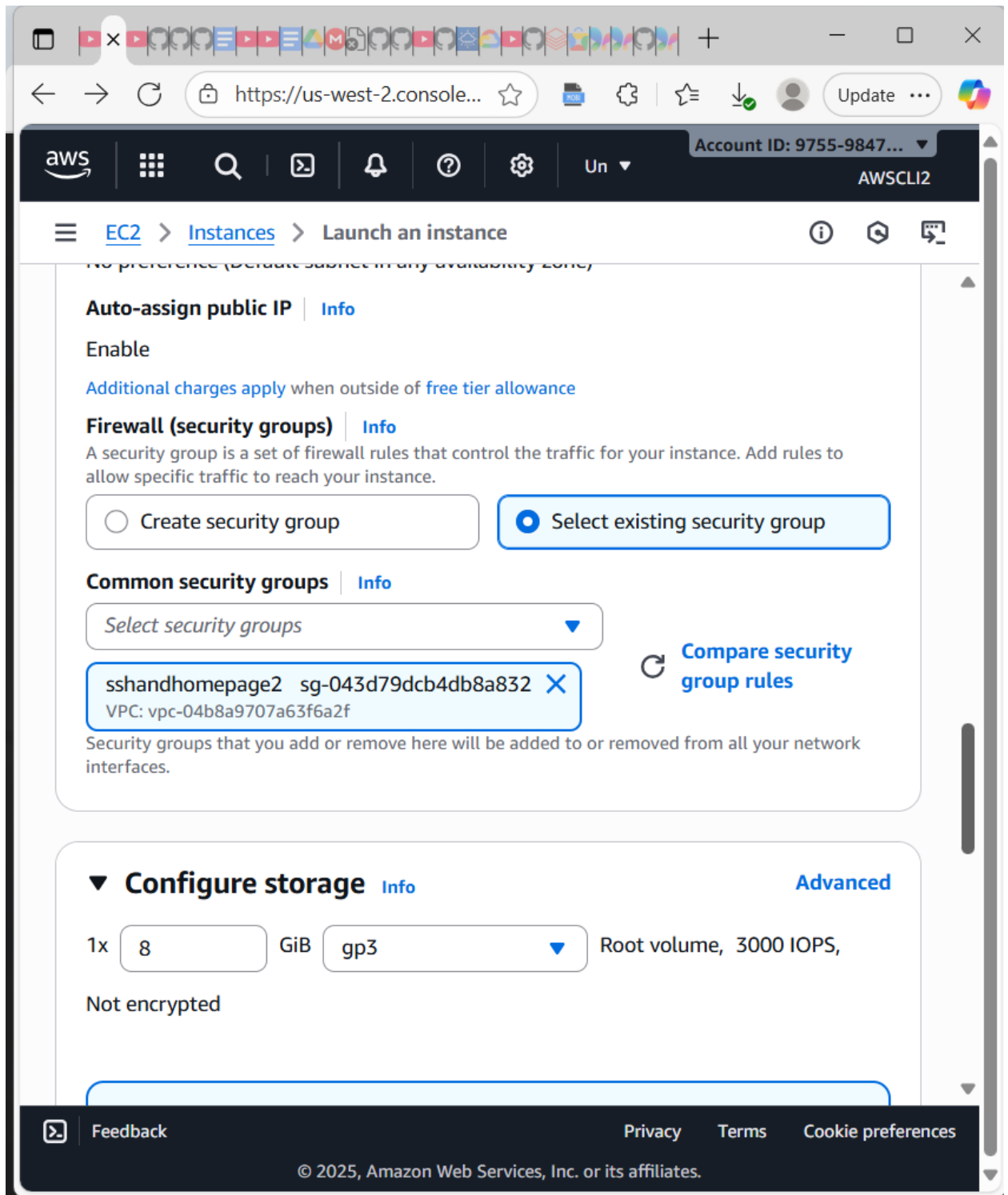
Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where

Cancel Launch instance Preview code

CloudShell Feedback

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8:35 PM



Launching instance

https://us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#InstanceDetails:instanceId=i-0775ee6a5214ac745

aws Search [Alt+S] United States (Oregon) Account ID: 9755-9847-1165 AWSCLI2

EC2 > Instances > i-0775ee6a5214ac745

Instance summary for i-0775ee6a5214ac745 [Info](#)

Updated less than a minute ago

[Connect](#) [Instance state](#) [Actions](#)

Instance ID i-0775ee6a5214ac745	Public IPv4 address 35.93.4.50 open address	Private IPv4 addresses 172.31.33.23
IPv6 address -	Instance state Running	Public DNS ec2-35-93-4-50.us-west-2.compute.amazonaws.com open address
Hostname type IP name: ip-172-31-33-23.us-west-2.compute.internal	Private IP DNS name (IPv4 only) ip-172-31-33-23.us-west-2.compute.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t3.micro	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more
Auto-assigned IP address 35.93.4.50 [Public IP]	VPC ID vpc-04b8a9707a63f6a2f	Auto Scaling Group name -
IAM Role -	Subnet ID subnet-0afca8a18d6f34413	Managed false
IMDSv2 Required	Instance ARN arn:aws:ec2:us-west-2:975598471165:instance/i-0775ee6a5214ac745	
Operator -		

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Copying public DNS

ec2-35-93-4-50.us-west-2.compute.amazonaws.com

Launched Website

3D Best x Black x (201) x W Down x Learn x 54.21 x GitHub x (226) x How x selmi x Tru x Inbo x Deta x +

← → ↻ Not secure ec2-35-93-4-50.us-west-2.compute.amazonaws.com ☆ 📄 🔍 🔄 Finish update

AWS Instance Details

Samurai Katana



insert an image or GIF

Instance Name: ip-172-31-33-23.us-west-2.compute.internal

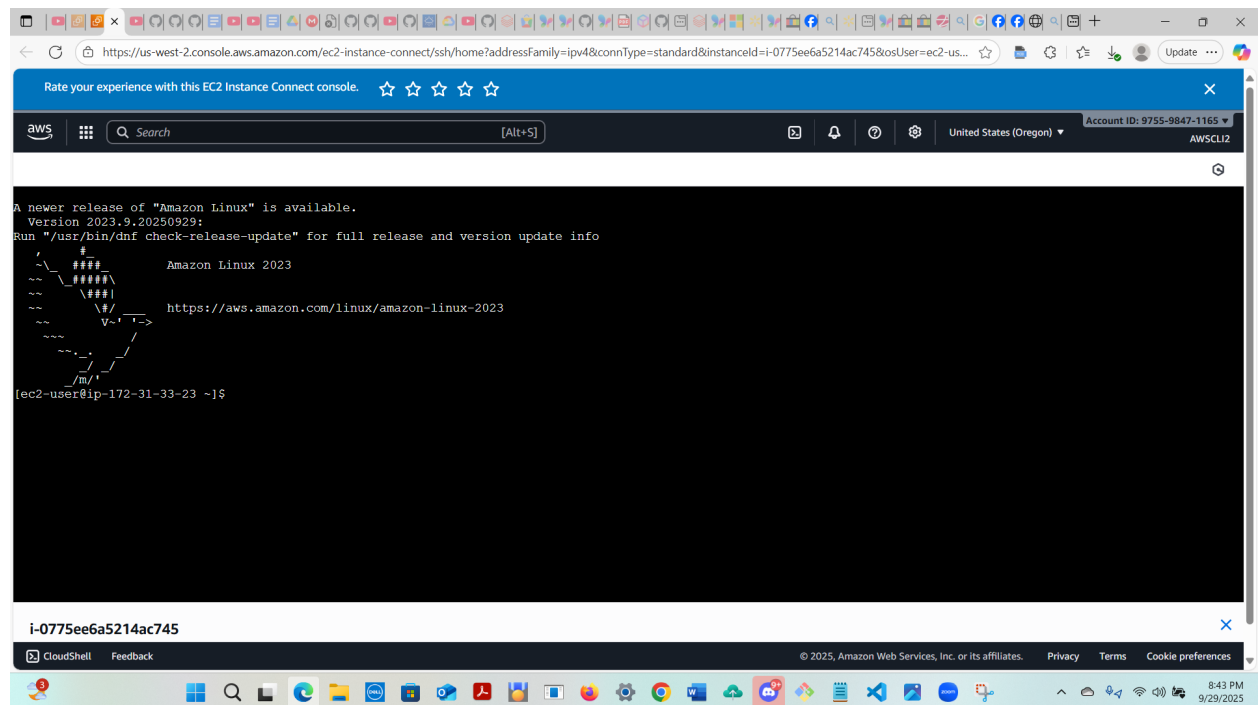
Instance Private Ip Address: 172.31.33.23

Availability Zone: us-west-2a

Virtual Private Cloud (VPC): vpc-04b8a9707a63f6a2f

8:42 PM 9/29/2025

Connected to website



Ping 8.8.8.8 -c 6 (Google's public DNS Server)

