

## 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 text input field for the instance name, which currently has the value `homeworkone`. Below the input field is a link to [Add additional tags](#).

The second step is **Application and OS Images (Amazon Machine Image)** with an [Info](#) link. It includes a paragraph explaining that an AMI contains the operating system, application server, and applications. It also provides a search bar with the placeholder text `Search our full catalog including 1000s of application and OS images`.

Below the search bar are two tabs: **Recents** and **Quick Start**. The **Quick Start** tab is active and shows a row of buttons for different operating systems: **Amazon**, **macOS**, **Ubuntu**, and **Windows**.

The footer of the console includes links for [Feedback](#), [Privacy](#), [Terms](#), and [Cookie preferences](#), along with the 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

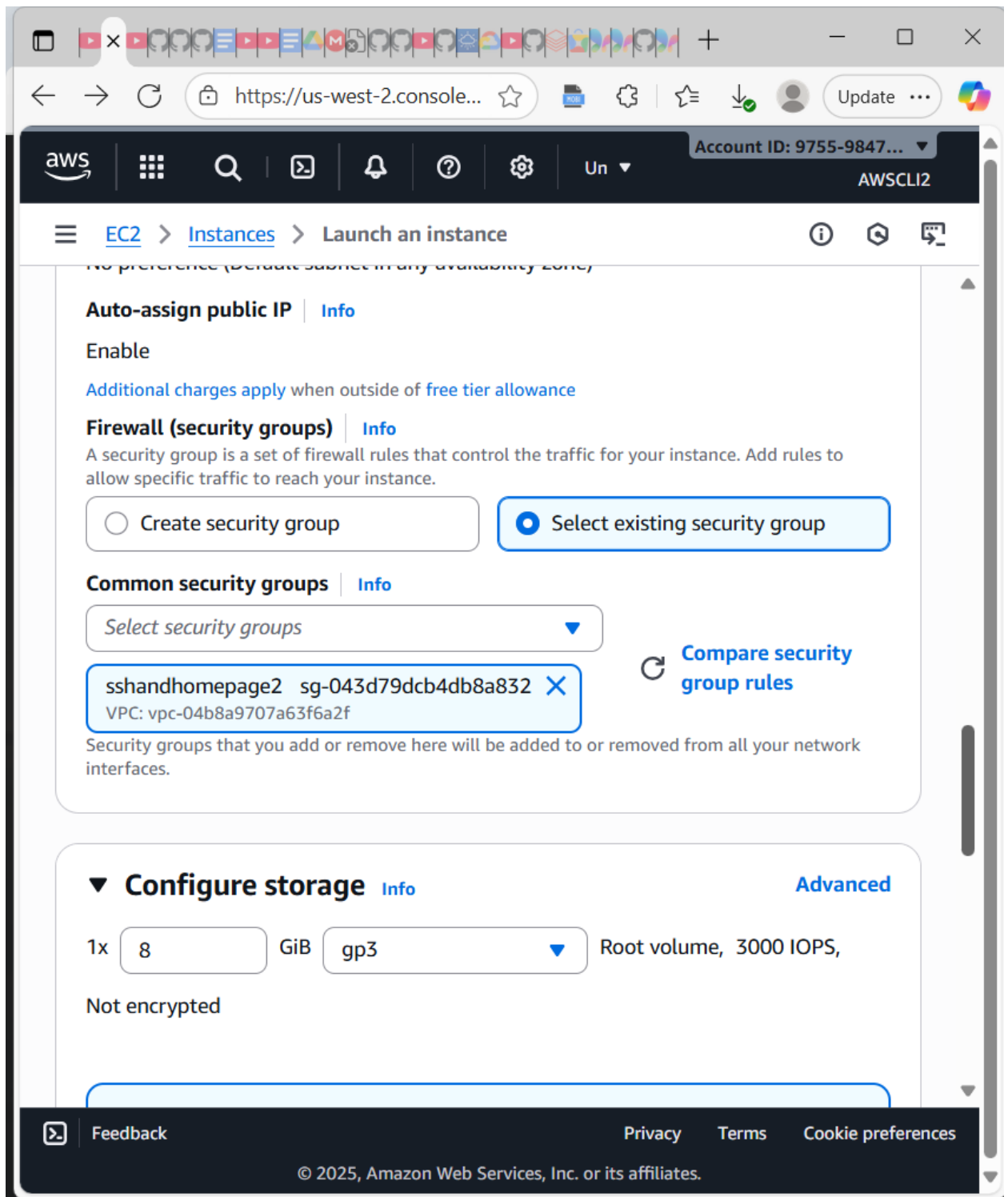
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Privacy

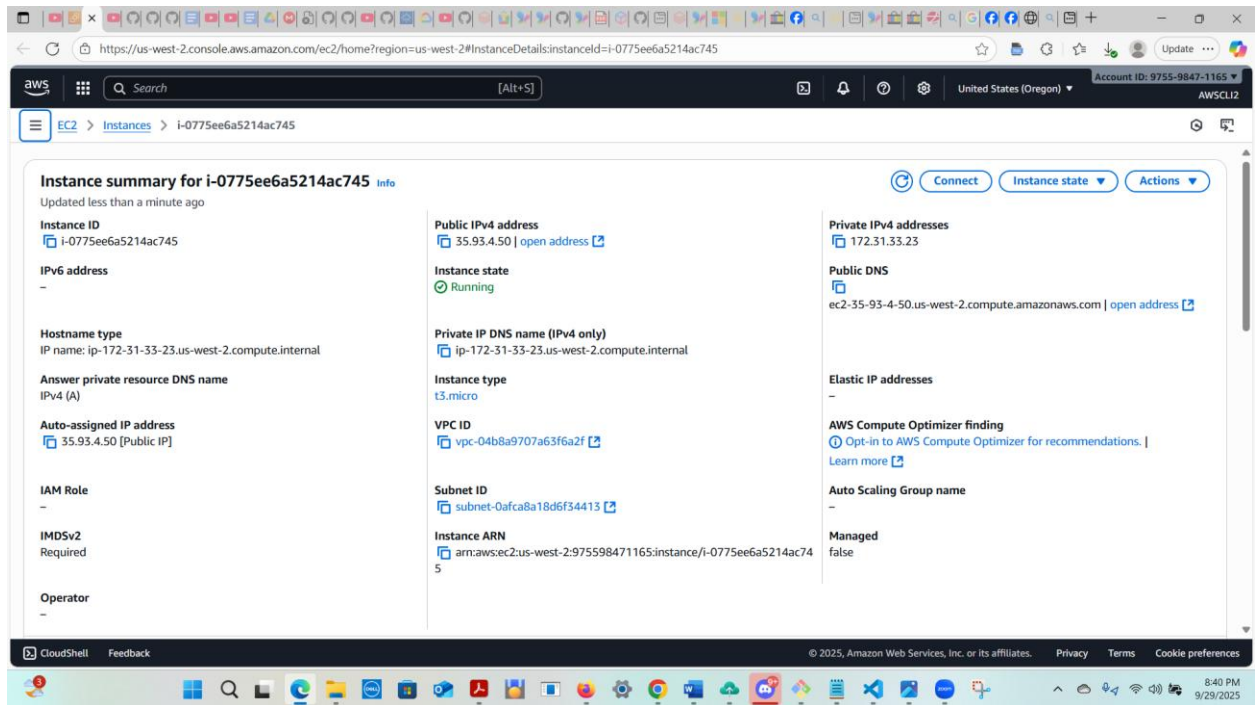
Terms

Cookie preferences

8:35 PM



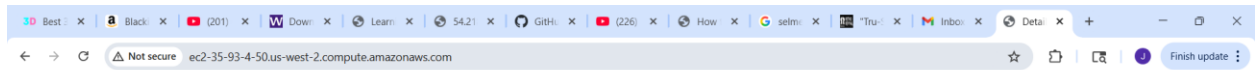
Launching instance



Copying public DNS

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

Launched Website



## AWS Instance Details

### Samurai Katana



# insert an image or GIF

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

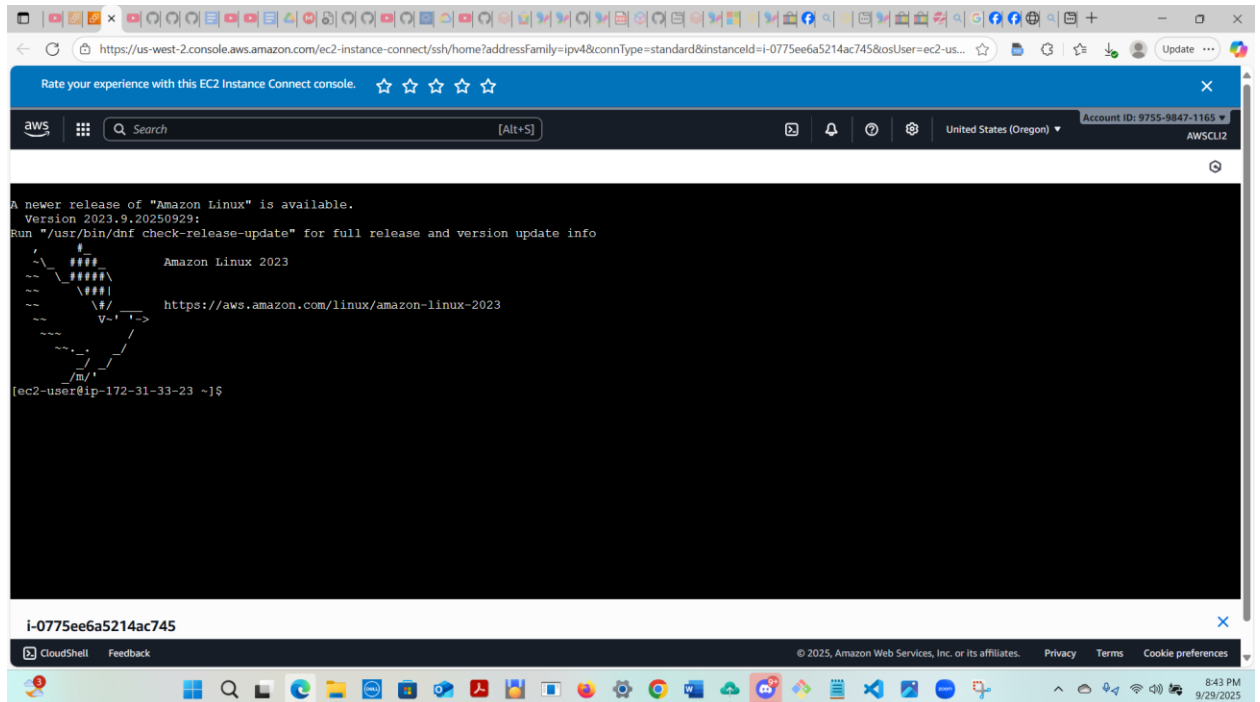
**Instance Private Ip Address:** 172.31.33.23

**Availability Zone:** us-west-2a

**Virtual Private Cloud (VPC):** vpc-04b8a9707a63f6a2f



## Connected to website



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

