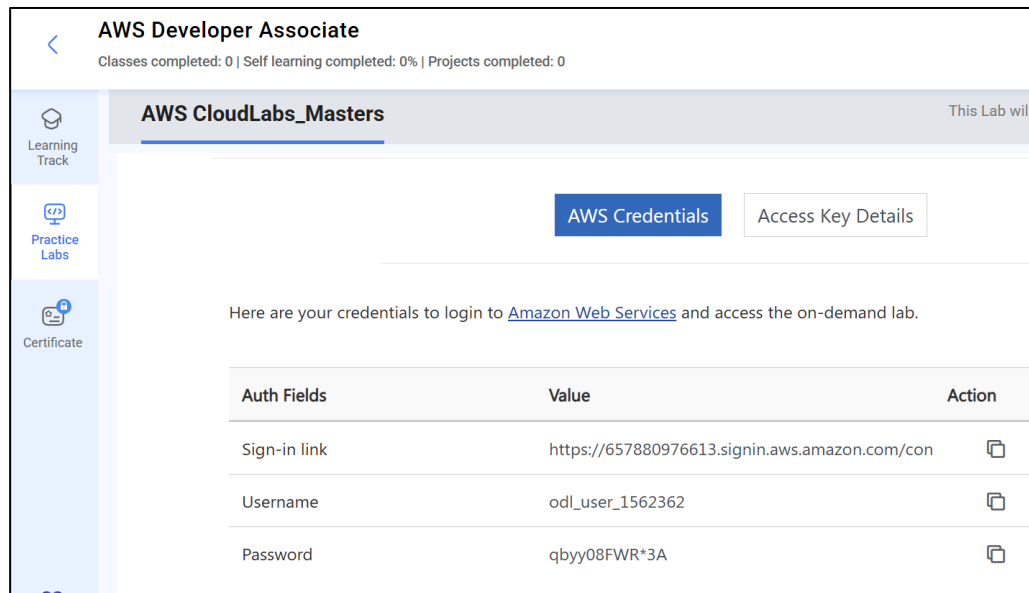


Log into the Simplilearn LMS Platform & log into the Practice Labs



Create a Linux-Based EC2 Instance

1. Log in to the AWS Management Console:

- Navigate to the AWS Management Console.
- Enter your AWS account credentials to sign in.

2. Access the EC2 Dashboard:

- In the AWS Console, use the search bar to find "EC2" and select it.
- This will direct you to the EC2 Dashboard.

3. Launch a New Instance:

- Click on the **Launch Instances** button.
- This initiates the instance creation wizard.

4. Configure Instance Settings:

- **Name and Tags:**
 - Assign a name to your instance for easy identification.
- **Select an Amazon Machine Image (AMI):**

- Choose a Linux-based AMI, such as **Amazon Linux 2023**.

☰ [EC2](#) > [Instances](#) > Launch an instance

▼ **Application and OS Images (Amazon Machine Image)** [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Quick Start

Amazon Linux
aws


macOS
Mac

Ubuntu
ubuntu

Windows
Microsoft

Red Hat
Red Hat

SUSE Linux
SUSE


[Browse more AMIs](#)
Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI
ami-05576a079321f21f8 (64-bit (x86), uefi-preferred) / ami-03ecf97a3bb0705c2 (64-bit (Arm), uefi)
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible ▼

- **Select an Instance Type:**

- For free-tier eligibility, select **t2.micro** or **t3.micro**.

5. Create or Select a Key Pair:

- If you don't have an existing key pair, create a new one.
- Download the private key file (.pem) and store it securely; this is essential for accessing your instance.

Create key pair ✕

Key pair name
Key pairs allow you to connect to your instance securely.

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

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

[Cancel](#) [Create key pair](#)

5. Configure Instance Details:

- Set the number of instances to 1.
- Keep Defaults for the VPC and subnet.
- Auto-assign Public IP should be **Enabled**.

6. Add Storage:

- The default root volume size is typically sufficient, but you can adjust it based on your needs.

7. Configure Security Group:

- Create a new security group or select an existing one.
- Add an inbound rule to allow SSH access:
 - **Type:** SSH
 - **Protocol:** TCP
 - **Port Range:** 22
 - **Source:** Your IP or Anywhere (note that allowing access from anywhere is less secure).

8. Review and Launch:

- Review your configurations.
- Click **Launch**.

10. Launch Instance:

- Confirm the instance launch.
- Once launched, you can view your instance in the EC2 Dashboard.

[Alt+S] [Search] [Help] [Settings] United States (N. Virginia) odl_user_1562362 @ 6578-8097-6613

Instances (1) Info Last updated less than a minute ago [Refresh] [Connect] [Instance state] [Actions] [Launch instances]

Find Instance by attribute or tag (case-sensitive) All states

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	Demo	i-07babe91ac10683ff	Running	t2.micro	Initializing	View alarms +	us-east-1a