

Draft a document detailing instruction for how to fulling install our Omeka setup

Cover the following:

- Creating EC2 instance – [sharepoint](#) (but it is for downloading omeka-s) so do until EC2 instance
 - Installing LAMP – [github](#)
 - Installing Omeka
 - Installing the Module
 - Importing using the module
- Use screenshots for clarity

Creating EC2 Instance

1. Create an amazon web server account at aws.amazon.com or [signup page](#).



Explore Free Tier products with a new AWS account.

To learn more, visit aws.amazon.com/free.



Sign up for AWS

Root user email address

Used for account recovery and some administrative functions

AWS account name

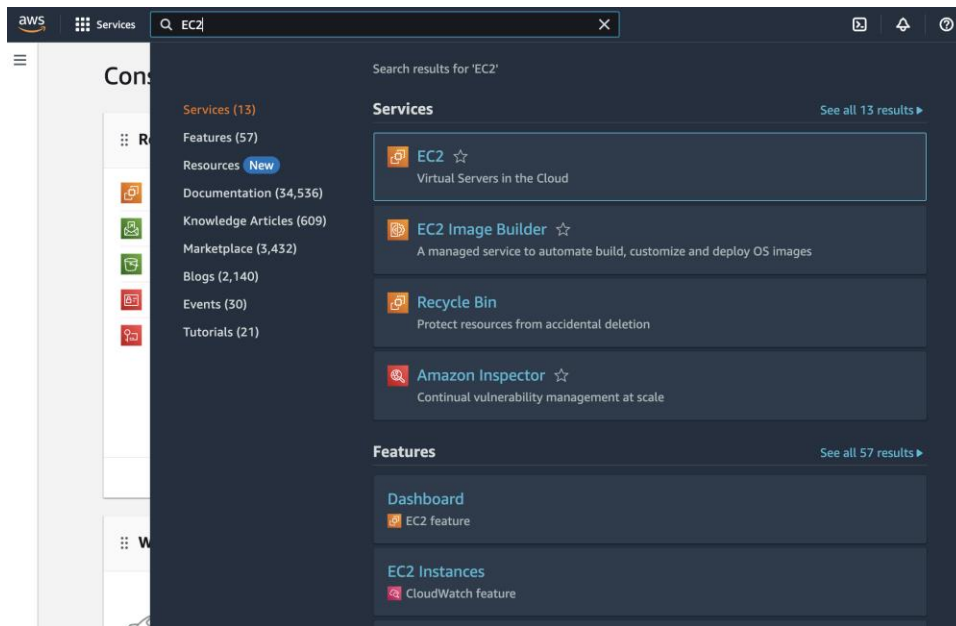
Choose a name for your account. You can change this name in your account settings after you sign up.

Verify email address

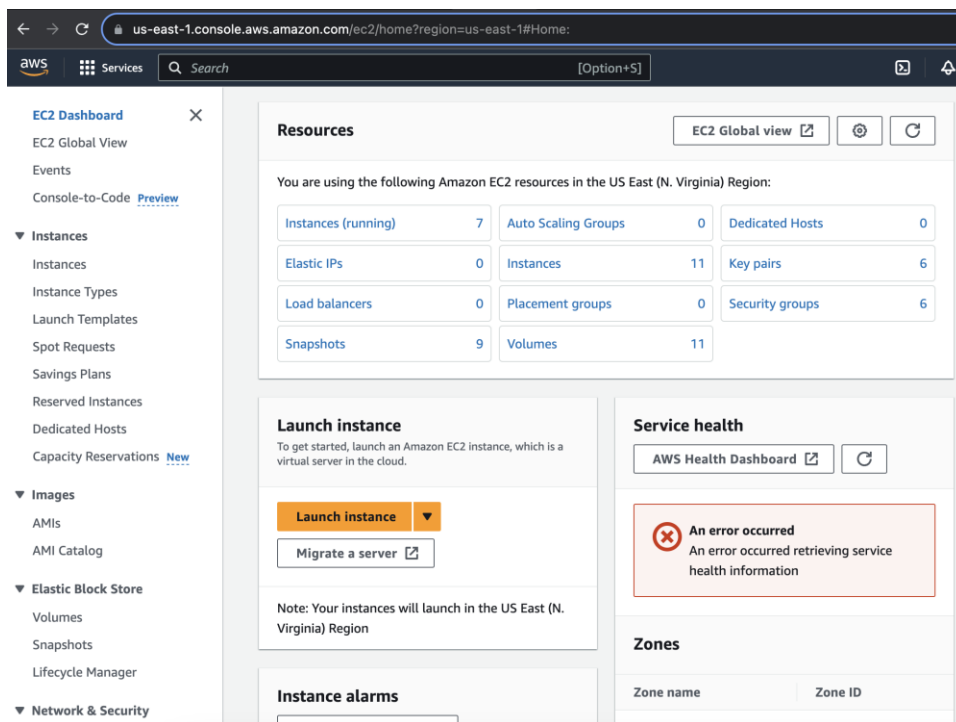
OR

Sign in to an existing AWS account

2. After setup, use the search box to find the link to EC2 (Virtual Servers in the Cloud) and click on it.



3. Scroll down and click on **the Launch Instance** button.



4. Name your instance anything you'd like, then under "Application and OS Images (Amazon Machine Image)" select "Ubuntu Server 22.04 LTS (HVM), SSD Volume Type" as your Amazon Machine Image (AMI). Under Instance type choose "t2.micro".

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

Recents

My AMIs

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)

Ubuntu Server 22.04 LTS (HVM), SSD Volume Type

Free tier eligible

ami-07d9b9ddc6cd8dd30 (64-bit (x86)) / ami-0568072f574d822a4 (64-bit (Arm))

Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Canonical, Ubuntu, 22.04 LTS, amd64 jammy image build on 2024-02-07

Architecture

AMI ID

64-bit (x86)

ami-07d9b9ddc6cd8dd30

Verified provider

▼ Instance type

Info | Get advice

Instance type

t2.micro

Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true

On-Demand Windows base pricing: 0.0162 USD per Hour

On-Demand SUSE base pricing: 0.0116 USD per Hour

On-Demand RHEL base pricing: 0.0716 USD per Hour

On-Demand Linux base pricing: 0.0116 USD per Hour

All generations

Compare instance types

Additional costs apply for AMIs with pre-installed software

- Under Key pair click “Create new key pair”. Name it anything you’d like, ideally without spaces, and keep the default RSA and .pem settings. After clicking “Create key pair” a .pem file will download. We’ll be moving this file elsewhere later.

Create key pair

×

Key pair name

Key pairs allow you to connect to your instance securely.

testing_key_pairs

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

⚠ 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

- Under Network Settings, choose “Create security group”, then select “Allow SSH traffic from” and “Allow HTTP traffic from the internet”.

▼ Network settings

Info

Edit

Network

Info

vpc-0f0911228c5151595

Subnet

Info

No preference (Default subnet in any availability zone)

Auto-assign public IP

Info

Enable

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

We'll create a new security group called 'launch-wizard-4' 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.

×

7. Review your selections then click “Launch Instance”

AWS

Services

Search

[Option+5]

N. Virginia

Aayush_Bhatta @ 6235-3987-751

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×

▼ Configure storage

Info

Advanced

1x

8

GIB

gp2

Root volume (Not encrypted)

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

×

▼ Summary

Number of instances

Info

1

Software image (AMI)

Canonical, Ubuntu, 22.04 LTS, ...read more

ami-07d9b9ddc6c8bd830

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, 30 GiB of EBS storage, 2 million I/Os, 1 GiB of

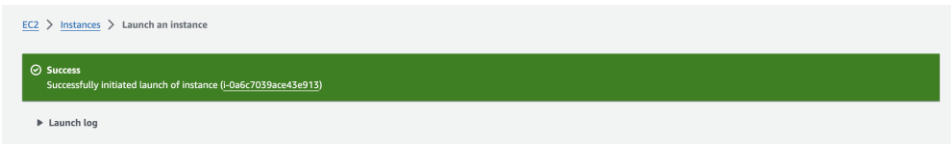
×

Cancel

Launch instance

Review commands

8. After launching the instance, you will see something like this in the screen.



- Click on the link attached with the **instance id** (i-0a6c7039ace43e913 in this case) that you can see after “Successfully initiated launch of instance” and it will take you to the screen like below:

Instances (1) info

🔄

Connect

Instance state ▾

Actions ▾

Launch instances ▾

🔍 Find Instance by attribute or tag (case-sensitive)

Any state ▾

Instance ID = i-0a6c7039ace43e913 ✕

Clear filters

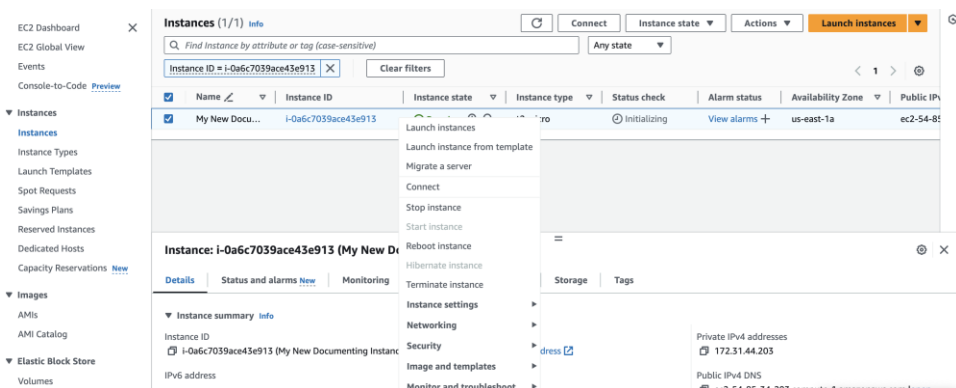
< 1 > 🔄

<input type="checkbox"/>	Name ↗ ▾	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm status	Availability Zone ▾	Public IP
<input type="checkbox"/>	My New Docu...	i-0a6c7039ace43e913	🟢 Running 🔍	t2.micro	🕒 Initializing	View alarms +	us-east-1a	ec2-54-8...

OR you can click on the link attached with “Instances” keyword in the top left corner after “EC2 >” that can be seen as “EC2 > Instances > Launch an instance” and after that you can see many instances if there are others along with the instance you recently created like below:

Instances (12) info							
Find Instance by attribute or tag (case-sensitive)							
Any state							
<input type="checkbox"/>	LB - Joana Testing	i-0f92d6b258236c81	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a
<input type="checkbox"/>	My New Documenting Instance	i-0a6c7039ace43e913	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a
<input type="checkbox"/>	LB - Blank Omeka-5 Oct 2023	i-0a838fde8659b317	Stopped	t2.micro	-	View alarms +	us-east-1e

- After you see your instance either way, on the subsequent panel, RIGHT click on instance we created and select ‘Connect’.



- Select “SSH Client” and keep this window open for later.


[EC2](#) > [Instances](#) > [i-0a6c7039ace43e913](#) > Connect to instance



Connect to instance [Info](#)

Connect to your instance i-0a6c7039ace43e913 (My New Documenting Instance) using any of these options

EC2 Instance Connect | Session Manager | **SSH client** | EC2 serial console


Instance ID

 [i-0a6c7039ace43e913](#) (My New Documenting Instance)

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is testing_key_pairs.pem
3. Run this command, if necessary, to ensure your key is not publicly viewable.
 `chmod 400 "testing_key_pairs.pem"`
4. Connect to your instance using its Public DNS:
 `ec2-54-85-34-203.compute-1.amazonaws.com`

Example:

 `ssh -i "testing_key_pairs.pem" ubuntu@ec2-54-85-34-203.compute-1.amazonaws.com`

 **Note:** In most cases, the guessed username is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel

12.