

## AWS Server Setup Guide – AWS EC2

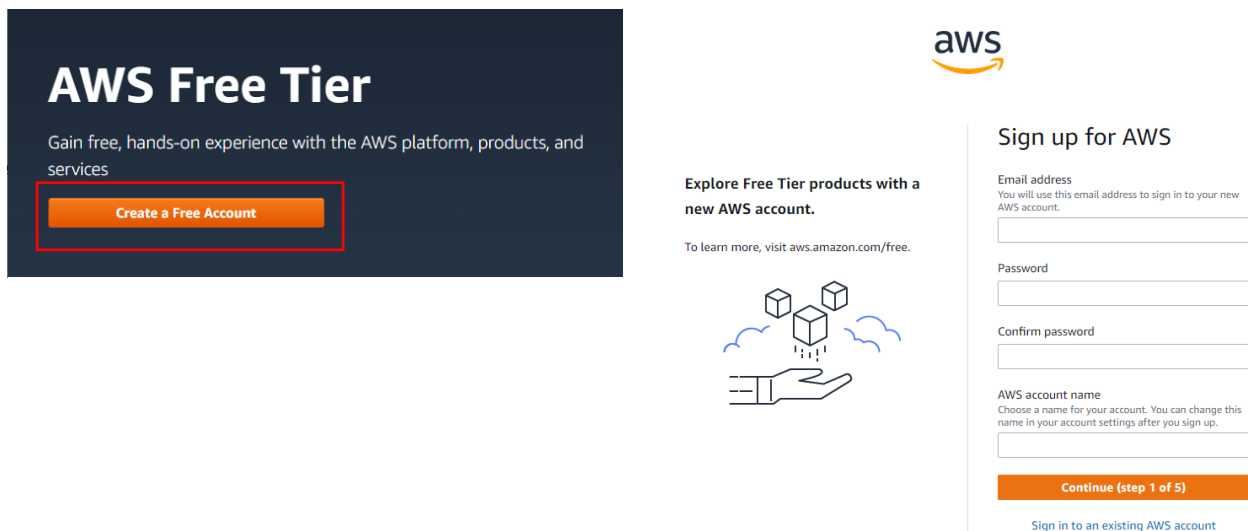
Web Development Team – UST 2021

### Website Login/Initialization

[1]: Follow the following URL to the AWS website hosting service:

[https://aws.amazon.com/free/?trk=ps\\_a131L0000085EJvQAM&trkCampaign=acq\\_paid\\_search\\_brand&sc\\_channel=ps&sc\\_campaign=acquisition\\_US&sc\\_publisher=google&sc\\_category=core-main&sc\\_country=US&sc\\_geo=NAMER&sc\\_outcome=acq&sc\\_detail=aws&sc\\_content=Brand Core aws\\_e&sc\\_segment=432339156150&sc\\_medium=ACQ-P|PS-GO|Brand|Desktop|SU|Core-Main|Core|US|EN|Text&sc\\_kwid=AL!4422!3!432339156150!e!!g!!aws&ef\\_id=CjwKCAiA65iBBhB-EiwAW253W19godOkni7MOQP2uEgGMvltCX7ym6sH-vZuT7FVIac\\_o59uuBChfxoC54YQAvD\\_BwE:G:s&sc\\_kwid=AL!4422!3!432339156150!e!!g!!aws&all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc](https://aws.amazon.com/free/?trk=ps_a131L0000085EJvQAM&trkCampaign=acq_paid_search_brand&sc_channel=ps&sc_campaign=acquisition_US&sc_publisher=google&sc_category=core-main&sc_country=US&sc_geo=NAMER&sc_outcome=acq&sc_detail=aws&sc_content=Brand Core aws_e&sc_segment=432339156150&sc_medium=ACQ-P|PS-GO|Brand|Desktop|SU|Core-Main|Core|US|EN|Text&sc_kwid=AL!4422!3!432339156150!e!!g!!aws&ef_id=CjwKCAiA65iBBhB-EiwAW253W19godOkni7MOQP2uEgGMvltCX7ym6sH-vZuT7FVIac_o59uuBChfxoC54YQAvD_BwE:G:s&sc_kwid=AL!4422!3!432339156150!e!!g!!aws&all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc)

[2]: Click Create a Free Account and walk through the setup steps in order to create an AWS account.  
(Note: You'll be asked for a debit/credit card, don't worry we won't be picking any non-free AWS servers. You will not be charged)



**AWS Free Tier**

Gain free, hands-on experience with the AWS platform, products, and services

[Create a Free Account](#)

**Sign up for AWS**

Email address  
You will use this email address to sign in to your new AWS account.

Password

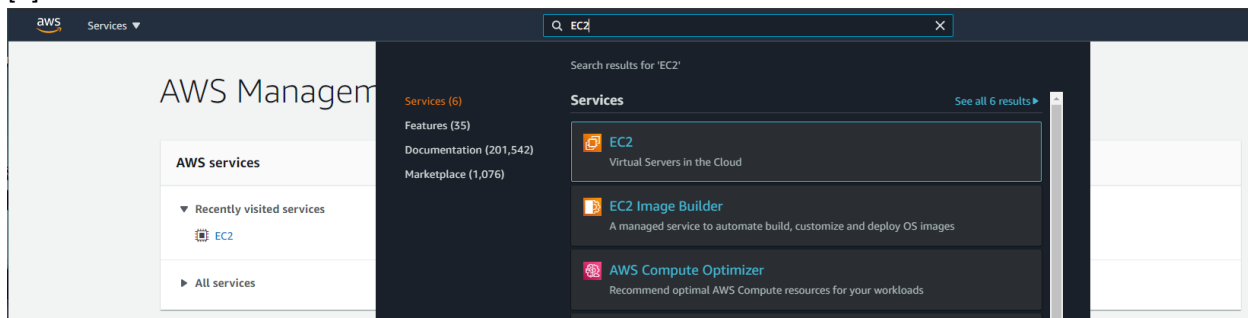
Confirm password

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

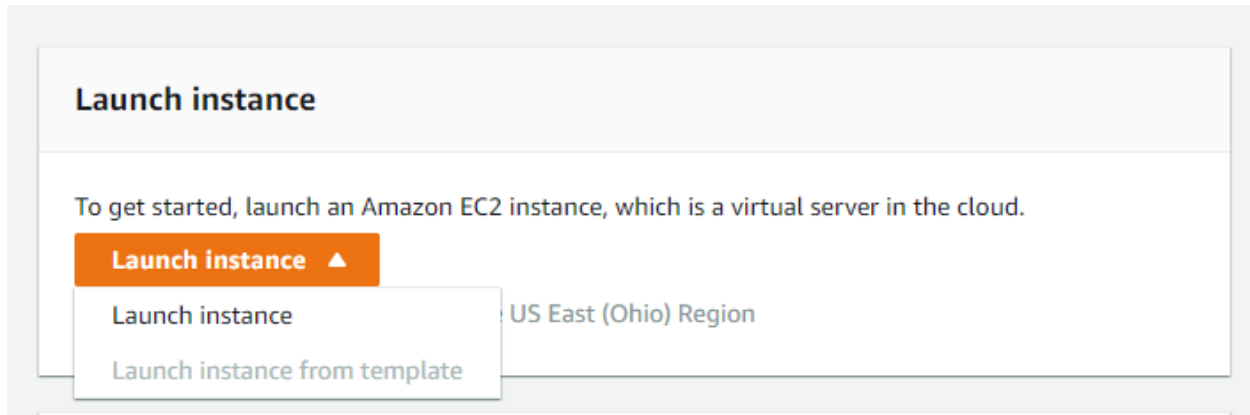
[Continue \(step 1 of 5\)](#)

[Sign in to an existing AWS account](#)

[3]: EC2 Selection



#### [4]: Launch Instance



#### [5]: Pick VM for Usage



#### [6]: Instance Type: (Server Statistics)

<input checked="" type="checkbox"/>	t2	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	t2	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	t3	t3.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t3	t3.micro	2	1	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t3	t3.small	2	2	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t3	t3.medium	2	4	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t3	t3.large	2	8	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t3	t3.xlarge	4	16	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t3	t3.2xlarge	8	32	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t3a	t3a.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t3a	t3a.micro	2	1	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t3a	t3a.small	2	2	EBS only	Yes	Up to 5 Gigabit	Yes

Cancel Previous Review and Launch Next: Configure Instance Details

## [7]: Launch

AMI Details

Free tier eligible

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-01aab85e4a4a00fe

Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is a...

Root Device Type: xbs

Virtualization type: hvm

Edit AMI

Instance Type

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	-	1	1	EBS only	-	Low to Moderate

Edit instance type

Security Groups

Security group name: launch-wizard-1

Description: launch-wizard-1 created 2021-02-12T13:57:12.501-06:00

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	0.0.0.0/0	

Edit security groups

Instance Details

Edit instance details

Storage

Edit storage

Tags

Edit tags

Cancel

Previous

Launch

## [8]: Create Key Pair

Select an existing key pair or create a new key pair

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Create a new key pair

Key pair name

AlarmBuddyKeyPair

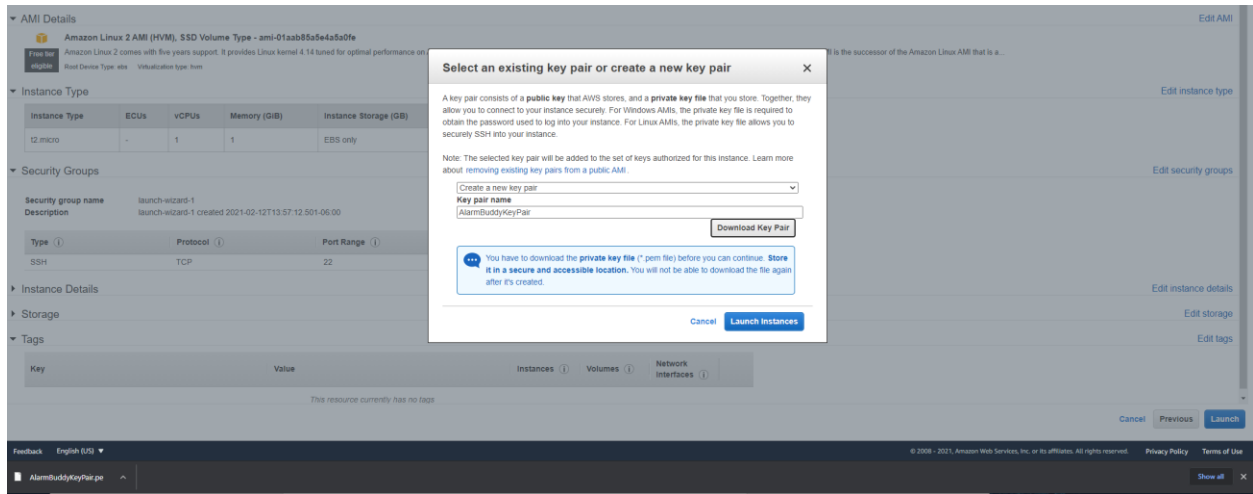
Download Key Pair

You have to download the **private key file** (\*.pem file) before you can continue. **Store it in a secure and accessible location.** You will not be able to download the file again after it's created.

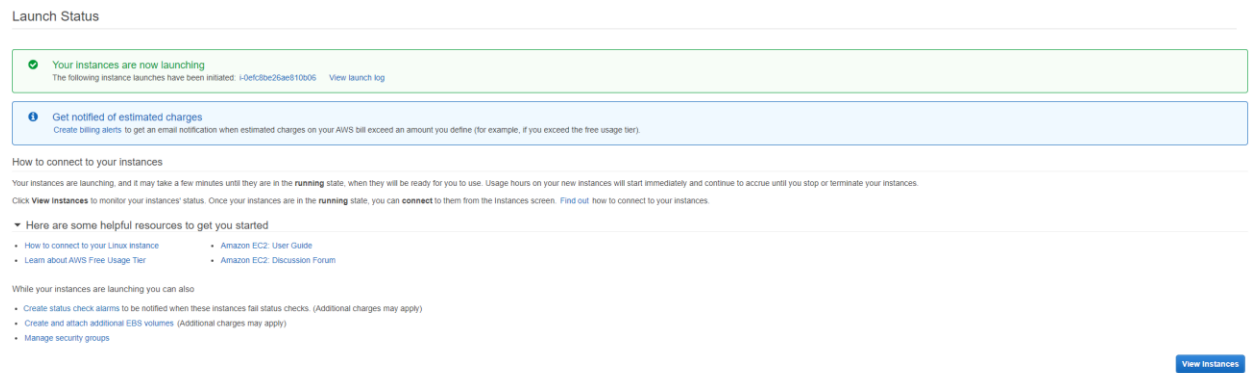
Cancel

Launch Instances

## [9]: Store Key Pair + Launch Instance



## [10]: View Instance



[11]: Connect to VM

EC2 > Instances > i-0efc8be26ae810b06 > Connect to instance

### Connect to instance [Info](#)

Connect to your instance i-0efc8be26ae810b06 using any of these options

EC2 Instance Connect

Session Manager

SSH client

---

Instance ID  
i-0efc8be26ae810b06

Public IP address  
18.219.102.153

User name

Connect using a custom user name, or use the default user name ec2-user for the AMI used to launch the instance.

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

Cancel

Connect

Last login: Fri Feb 12 20:08:09 2021 from ec2-3-16-146-1.us-east-2.compute.amazonaws.com

```
 _ | _ | _ )  
 _ | ( _ | /  Amazon Linux 2 AMI  
 _ | \ _ | _ |
```

https://aws.amazon.com/amazon-linux-2/  
[ec2-user@ip-172-31-23-95 ~]\$