

AWS Server Setup Guide – AWS EC2

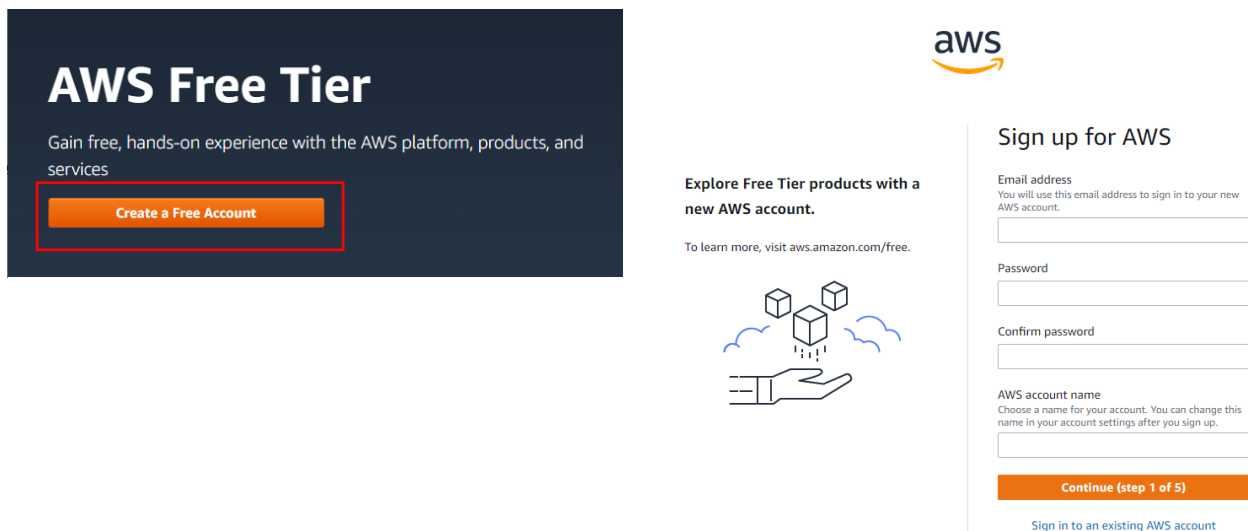
Web Development Team – UST 2021

Server Initialization + Connection

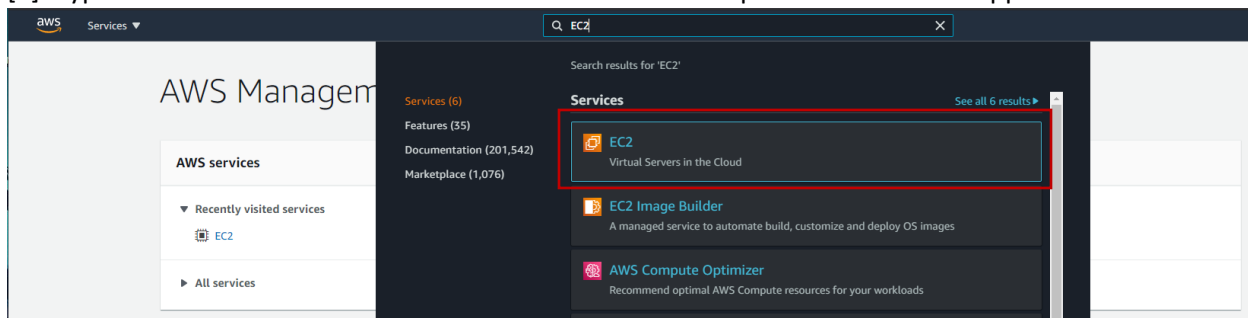
[1]: Follow the following URL to the AWS website hosting service:

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=ALi4422i3!432339156150!e!g!aws&ef_id=CjwKCAiA65iBBhB-EiwAW253W19godOkni7MOQP2uEgGMvltCX7ym6sH-vZuT7FVIac_o59uuBChfxoC54YQAvD_BwE:G:s&sc_kwid=ALi4422i3!432339156150!e!g!aws&all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc

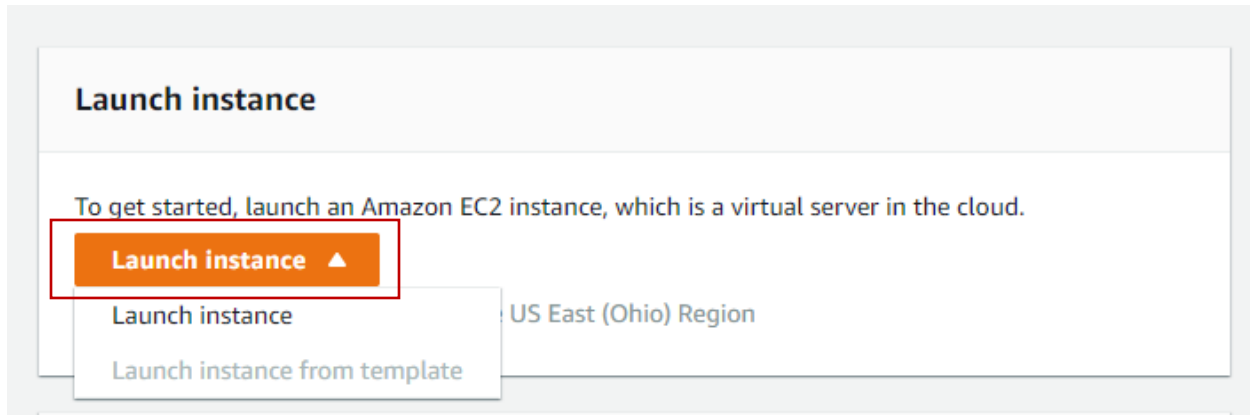
[2]: Click “Create a Free Account” and walk through the setup steps in order to create an AWS account. (Note: You’ll be asked for a debit/credit card, don’t worry we won’t be picking any non-free AWS servers. You will not be charged for the first 12 months)



[3]: Type “EC2” into the search bar and click on the “EC2” Dropdown box when it appears



[4]: Click “Launch Instance”.



[5]: Pick the VM you would like to use as your server host. In this example we’ll pick t2.micro because it’s free for the first 12 months of 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]: This page just provides general information about your VM of choice. Once you're ready to proceed, click "Launch" at the bottom right of the page

AMI Details [Edit AMI](#)

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-01aab85a64a5a0fe
First set up your instance type. Host Device Type: x86_64. Virtualization type: hvm.

Instance Type [Edit instance type](#)

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

Security Groups [Edit 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	

Instance Details [Edit instance details](#)

Storage [Edit storage](#)

Tags [Edit tags](#)

[Cancel](#) [Previous](#) [Launch](#)

[8]: Use the dropdown to select "Create a new key pair" and create name for your server Key. Make sure you download it using the "Download Key Pair" button. Save it in a safe location.

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

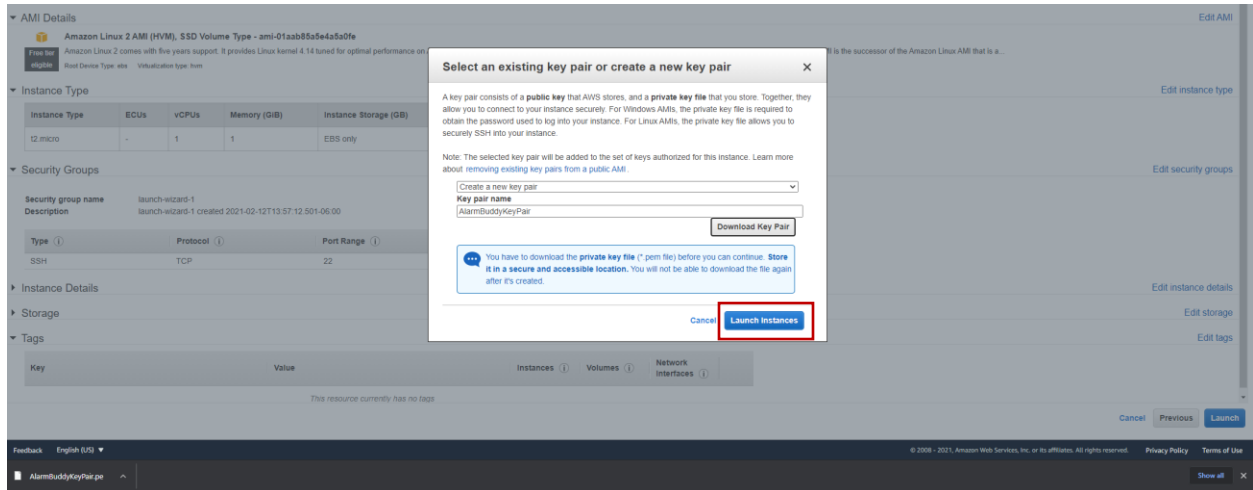
AlarmBuddyKeyPair

[Download Key Pair](#)

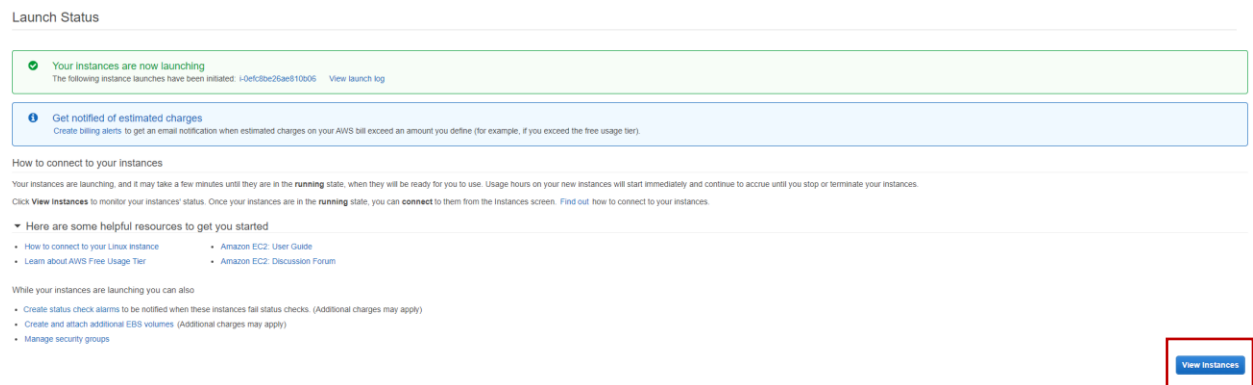
You have to download the **private key file** (*.pem file) before you can continue. **Store it in a secure and accessible location.** You will not be able to download the file again after it's created.

[Cancel](#) [Launch Instances](#)

[9]: Once you've stored your key, hit the "Launch Instance" button.



[10]: This is a confirmation page saying you've successfully launched your server VM. Once you're ready to continue, hit "View Instance".



[11]: There are three separate ways to connect to your VM, but the easiest is to just use the “EC2 Instance Connect” section. All you need to do is click “Connect”.

The screenshot shows the AWS Management Console interface for connecting to an EC2 instance. The breadcrumb navigation at the top reads: EC2 > Instances > i-0efc8be26ae810b06 > Connect to instance. The main heading is 'Connect to instance' with an 'Info' link. Below the heading, it says 'Connect to your instance i-0efc8be26ae810b06 using any of these options'. There are three tabs: 'EC2 Instance Connect' (which is selected and highlighted with an orange underline), 'Session Manager', and 'SSH client'. Under the 'EC2 Instance Connect' tab, the 'Instance ID' is shown as 'i-0efc8be26ae810b06' with a copy icon. The 'Public IP address' is '18.219.102.153' with a copy icon. The 'User name' is 'ec2-user' in a text input field. Below the input field, a note states: 'Connect using a custom user name, or use the default user name ec2-user for the AMI used to launch the instance.' A blue information box contains a note: '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.' At the bottom right, there are two buttons: 'Cancel' and 'Connect' (which is highlighted with a red border).

[12]: Congratulations, you have successfully hosted and connected to your t2.micro VM! To control your VM’s uptime you can use the “Instances” tab on your AWS console page.

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