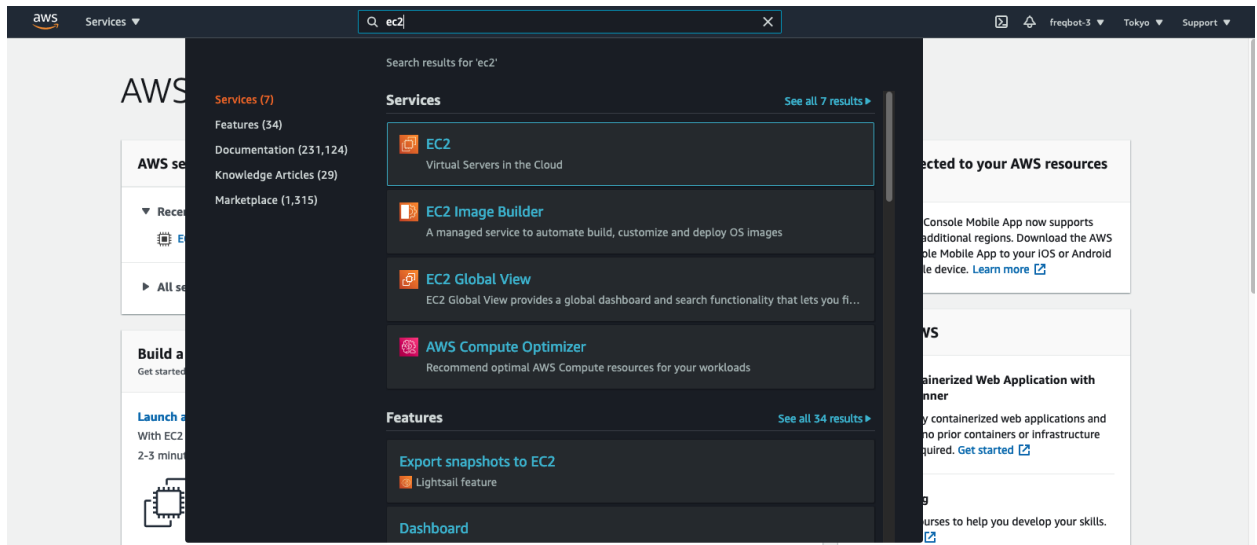
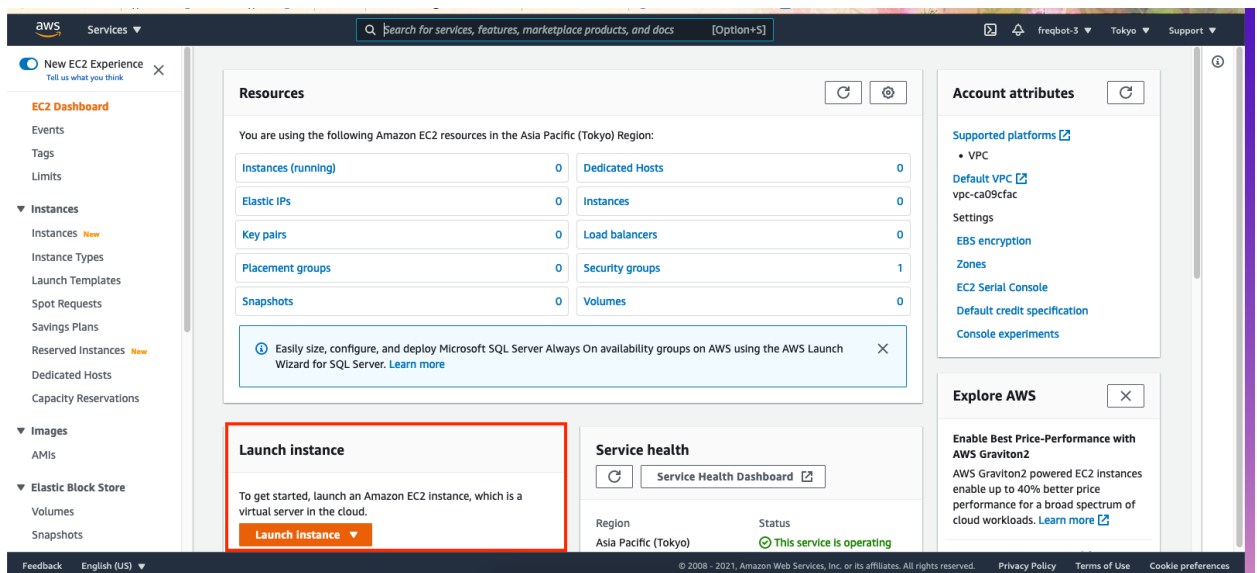


1. Create an account on AWS by visiting <https://portal.aws.amazon.com/billing/signup#/start> (You get a 1 year free trial, create a dummy email for this if you want)
2. Search for EC2



3. Click Launch Instance (Launches an EC2 VM)



4. Choose Ubuntu20

Step 1: Choose an Amazon Machine Image (AMI)

Community AMIs

☐ Free tier only

Microsoft Windows Server 2019 Base - ami-0a2c187ea12f133eb
Microsoft Windows 2019 Datacenter edition. [English]
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes **Select**
64-bit (x86)

Red Hat Enterprise Linux 8 (HVM), SSD Volume Type - ami-0bcc42bba4dedac1 / ami-0cdc4f61f73af4679 (64-bit Arm)
Red Hat Enterprise Linux version 8 (HVM), EBS General Purpose (SSD) Volume Type
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes **Select**
64-bit (x86)
64-bit (Arm)

SUSE Linux Enterprise Server 15 SP2 (HVM), SSD Volume Type - ami-0cbbc0209196a8063b (64-bit x86) / ami-00aa2ab20df3d86ec (64-bit Arm)
SUSE Linux Enterprise Server 15 Service Pack 2 (HVM), EBS General Purpose (SSD) Volume Type. Amazon EC2 AMI Tools preinstalled; Apache 2.2, MySQL 5.5, PHP 5.3, and Ruby 1.8.7 available.
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes **Select**
64-bit (x86)
64-bit (Arm)

Ubuntu Server 20.04 LTS (HVM), SSD Volume Type - ami-0df99b3a8349462c6 (64-bit x86) / ami-076d8ebdd0e1ec091 (64-bit Arm)
Ubuntu Server 20.04 LTS (HVM), EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>). **Select**
64-bit (x86)
64-bit (Arm)

5. Select t2.micro (It's the one that works with a free trial). Click Review and Launch

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All Instance families Current generation Show/Hide Columns

Currently selected: t2.micro (- ECUs, 1 vCPUs, 2.5 GHz, ~, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	t2	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	t2	t2.micro Free tier eligible	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 Gbps	Yes

Review and Launch Next: Configure Instance Details

6. Click Launch

aws Services ▾

Search for services, features, marketplace products, and docs [Option+S]

freqbot-3 Tokyo Support ▾

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

⚠ **Improve your instances' security. Your security group, launch-wizard-1, is open to the world.**

Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

AMI Details [Edit AMI](#)

Ubuntu Server 20.04 LTS (HVM), SSD Volume Type - ami-0df99b3a6349462c6

Free tier eligible

Root Device Type: ebs 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

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

Feedback English (US) ▾

© 2008 - 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#) [Cookie preferences](#)

7. Create a keypair (or use your own)

aws Services ▾

Search for services, features, marketplace products, and docs [Option+S]

freqbot-3 Tokyo Support ▾

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit c

⚠ **Improve your instances' security. Your secur**

Your instances may be accessible from any IP address. W

You can also open additional ports in your security group

AMI Details

Ubuntu Server 20.04 LTS (HVM), SSD Volume T

Free tier eligible

Root Device Type: ebs Virtualization type: hvm

Instance Type

Instance Type	ECUs	vCPUs	Memor
t2.micro	-	1	1

Security Groups

Security group name launch-wizard-1

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
freqbot3

[Download Key Pair](#)

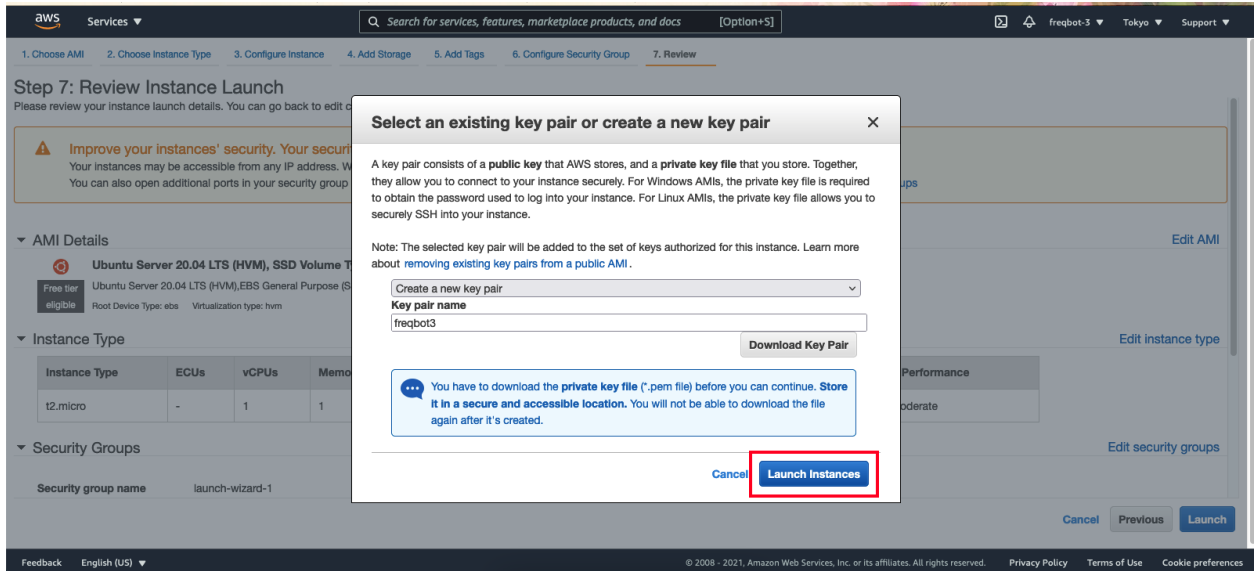
... You have to download the **private key file** (*.pem file) before you can continue. **Store it in a secure and accessible location.** You will not be able to download the file again after it's created.

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

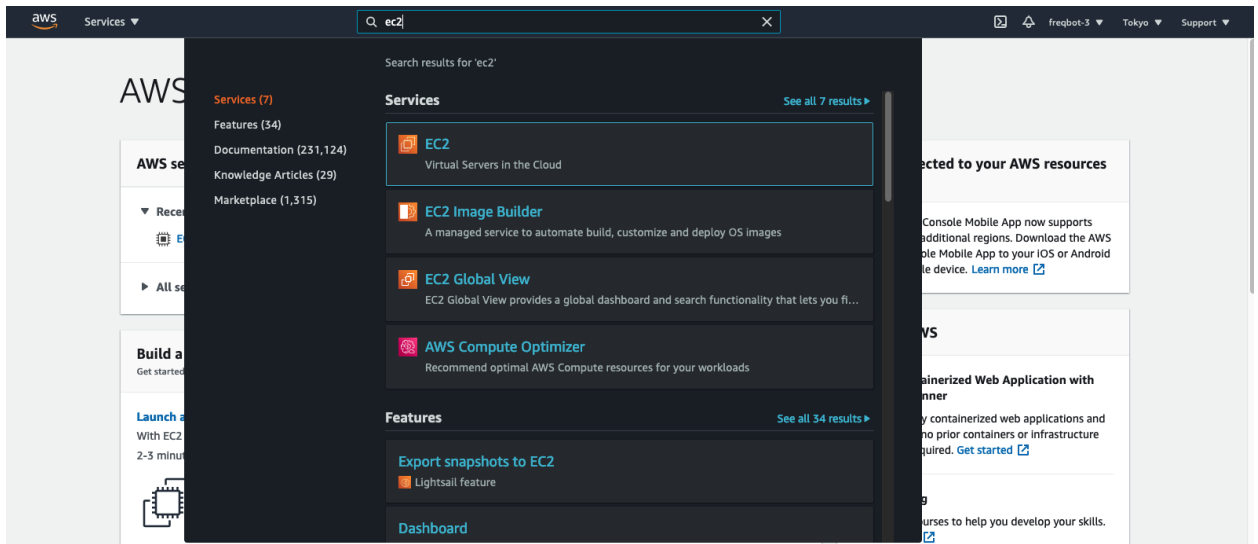
[Cancel](#) [Previous](#) [Launch](#)

Feedback English (US) ▾

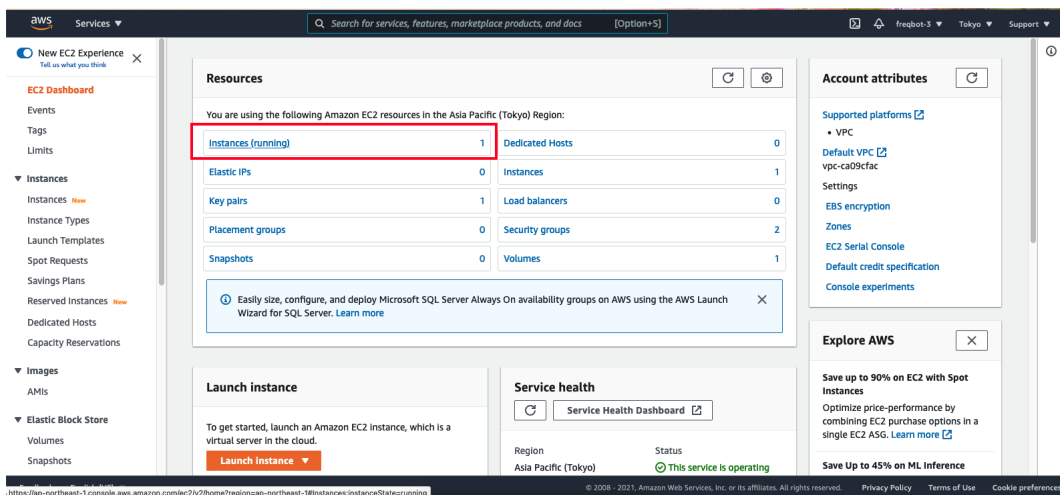
© 2008 - 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#) [Cookie preferences](#)



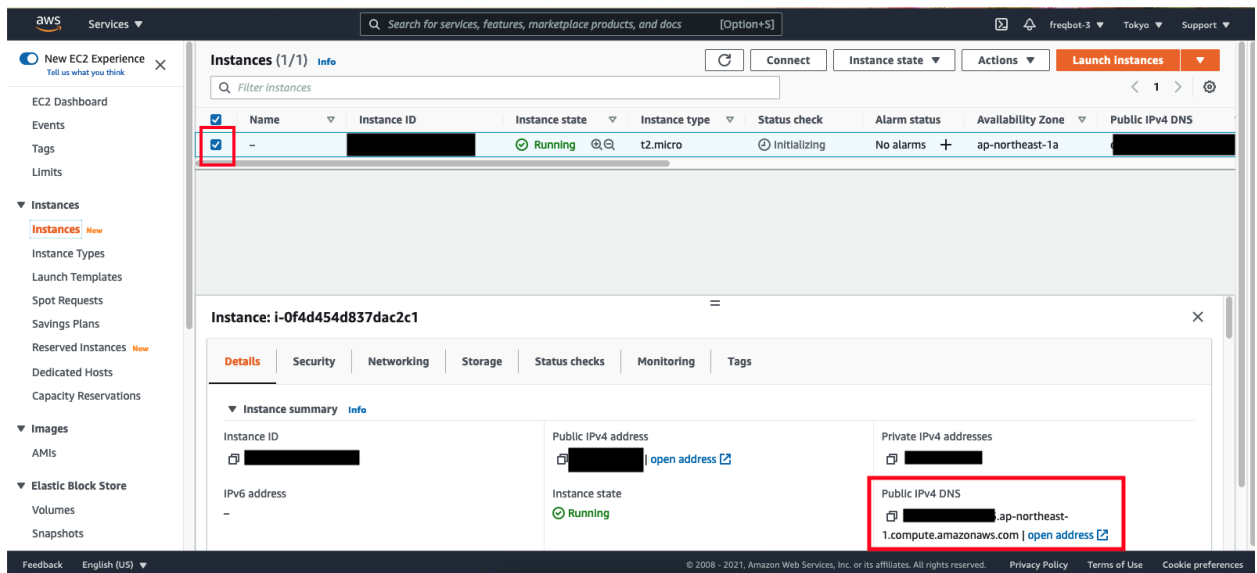
8. Search for EC2 again



9. View your instances



10. With your instance selected, copy the Public IPv4 DNS (it changes about everyday, so if you need to ssh into this VM again, you have to login and check the ip again, or you can allocate an elastic ip, and associate it to the VM)



11. Move your ssh key to ~/.ssh and change it's permissions to 400 . Now you're able to login to the VM you just created

```
sam@Sams-Mac-mini ~ % mv ~/Downloads/freqbot3.pem ~/.ssh
sam@Sams-Mac-mini ~ % chmod 400 ~/.ssh/freqbot3.pem
sam@Sams-Mac-mini ~ % ssh -i ~/.ssh/freqbot3.pem ubuntu@[redacted].ap-northeast-1.compute.amazonaws.com
The authenticity of host '[redacted].ap-northeast-1.compute.amazonaws.com ([redacted])' can't be established.
ECDSA key fingerprint is [redacted]
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
```

```
mv ~/Downloads/freqbot3.pem ~/.ssh
```

```
chmod 400 ~/.ssh/freqbot3.pem
```

```
ssh -i ~/.ssh/freqbot3.pem ubuntu@your_ip.compute.amazonaws.com
```