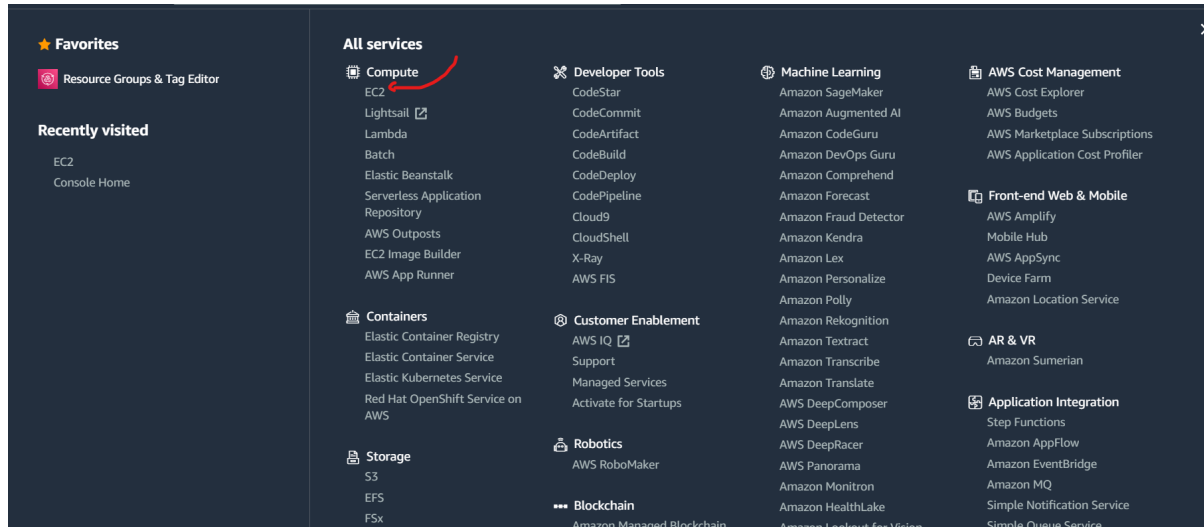
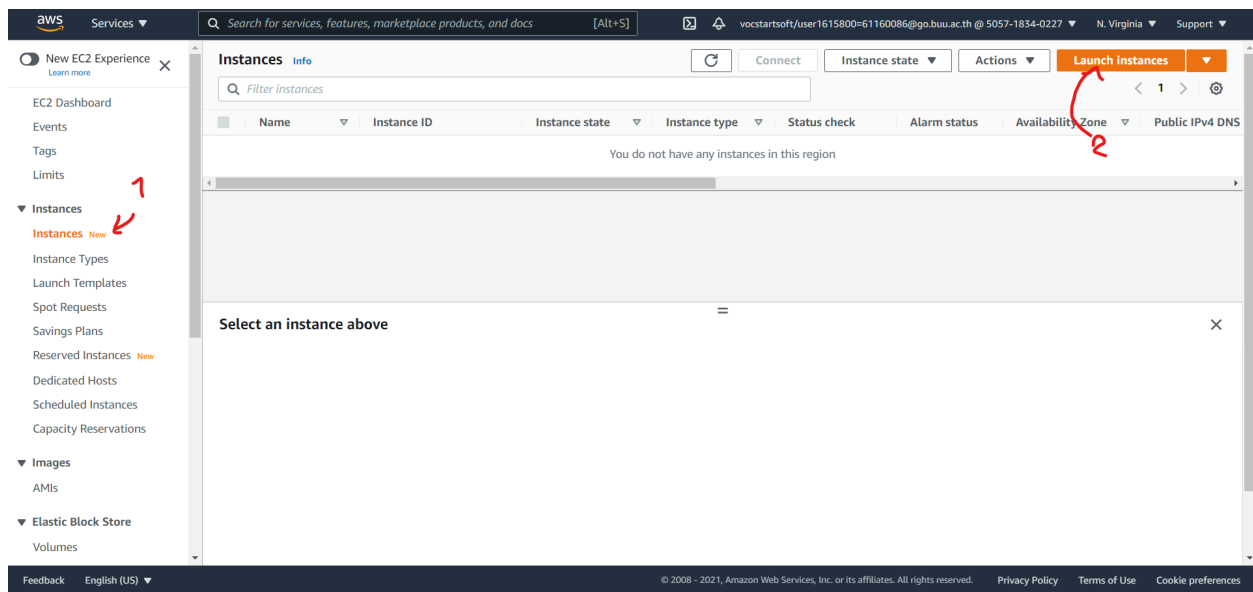


การสร้าง EC2



-เลือก services -> EC2



-ทำตามรูปภาพ เพื่อสร้าง

aws Services Search for services, features, marketplace products, and docs [Alt+S] vocstartsoft/user1615800=61160086@go.buu.ac.th @ 5057-1834-0227 N. Virginia Support

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

Step 1: Choose an Amazon Machine Image (AMI)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Cancel and Exit

Q alma

Search by Systems Manager parameter

Quick Start (0) My AMIs (0) AWS Marketplace (6) Community AMIs (69)

Operating system

- ☐ Amazon Linux
- ☐ Cent OS
- ☐ Debian
- ☐ Fedora
- ☐ Gentoo
- ☐ openSUSE
- ☐ Other Linux

finalmargo - ami-0064328f76712fe4b

finalmargo

Root device type: ebs Virtualization type: hvm ENA Enabled: No

Select

64-bit (x86)

ProComputers AlmaLinux-8.4-x86_64-Minimal-8GiB-HVM-20210528_101106-prod-ord4owjnox36 - ami-0082275c1f79c8baa

AlmaLinux 8 Minimal Install Golden AMI Template (AlmaLinux 8.4) (Alma Linux 8.4) (AlmaLinux8) (Alma8)

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

64-bit (x86)

ProComputers AlmaLinux-8-x86_64-Latest-8GiB-HVM-20210801_143458-prod-an3jns35q5akq - ami-008e5e91a2677920d

AlmaLinux 8 Latest Install Golden AMI Template (AlmaLinux 8.4) (Alma Linux 8.4) (AlmaLinux8) (Alma8)

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

64-bit (x86)

sca-2010-docker-community-edition-with-almalinux-8-1be0348c-1232-4e2c-a5a3-2230ff0e7c53 - ami-00d3c437273b8e292

Select

-จะเจอ Step 1: ให้เราเลือก Image ที่เราจะใช้งาน ตามที่เราต้องการ แล้วกด Select

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

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: t4g.nano (~ ECUs, 2 vCPUs, 2.5 GHz, ~, 0.5 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input checked="" type="checkbox"/>	t4g	t4g.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t4g	t4g.micro	2	1	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t4g	t4g.small	2	2	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t4g	t4g.medium	2	4	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t4g	t4g.large	2	8	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t4g	t4g.xlarge	4	16	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	t4g	t4g.2xlarge	8	32	EBS only	Yes	Up to 5 Gigabit	Yes

Cancel Previous Review and Launch Next: Configure Instance Details

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- Step 2: เลือกสเปคเครื่องที่เราต้องการ แล้วกด next

Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances ⓘ

1

Launch into Auto Scaling Group ⓘ

Purchasing option ⓘ

☐ Request Spot Instances

Network ⓘ

vpc-0df3bcf11acb51929 (default) ⓘ

Create new VPC

Subnet ⓘ

No preference (default subnet in any Availability Zone) ⓘ

Create new subnet

Auto-assign Public IP ⓘ

Use subnet setting (Enable) ⓘ

Placement group ⓘ

☐ Add instance to placement group

Capacity Reservation ⓘ

Open ⓘ

Domain join directory ⓘ

No directory ⓘ

Create new directory

IAM role ⓘ

None ⓘ

Create new IAM role

CPU options ⓘ

☐ Specify CPU options

Shutdown behavior ⓘ

Stop ⓘ

Cancel

Previous

Review and Launch

Next: Add Storage

- Step 3: เลือกการตั้งค่าตามที่เรต้องการ

Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type ⓘ	Device ⓘ	Snapshot ⓘ	Size (GiB) ⓘ	Volume Type ⓘ	IOPS ⓘ	Throughput (MB/s) ⓘ	Delete on Termination ⓘ	Encryption ⓘ
Root	/dev/sda1	snap-0d209c7271ac46506	10	General Purpose SSD (gp2) ⓘ	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted ⓘ

Add New Volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

- Step 4: เลือก พื้นที่จัดเก็บ และชนิดการจัดเก็บ

Step 5: Add Tags

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver. A copy of a tag can be applied to volumes, instances or both.

Tags will be applied to all instances and volumes. [Learn more](#) about tagging your Amazon EC2 resources.

Key ⓘ (128 characters maximum)	Value ⓘ (256 characters maximum)	Instances ⓘ	Volumes ⓘ	Network Interfaces ⓘ
-----------------------------------	-------------------------------------	-------------	-----------	----------------------

This resource currently has no tags

Choose the Add tag button or [click to add a Name tag](#).
Make sure your [IAM policy](#) includes permissions to create tags.

Add Tag (Up to 50 tags maximum)

-Step 5: กำหนดแก็ก

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. Review

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group:

Create a new security group

Select an existing security group

Security group name:

launch-wizard-1

Description:

launch-wizard-1 created 2021-09-20T15:22:42.750+07:00

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom0.0.0.0/0	e.g. SSH for Admin Desktop

Add Rule

Warning

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.

Cancel

Previous

Review and Launch

-Step 6: ตั้งค่าความปลอดภัย โดยระบุ Port ที่ต้องการ เช่นถ้าอยากเปิด Web server ก็เปิด port http port:80

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. 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.

Your instance configuration is not eligible for the free usage tier

To launch an instance that's eligible for the free usage tier, check your AMI selection, instance type, configuration options, or storage devices. [Learn more about free usage tier eligibility and usage restrictions.](#)

Don't show me this again

AMI Details

AlmaLinux OS 8.4.20210820 aarch64 - ami-05410363fe9edf191

Official AlmaLinux OS 8.4 aarch64 image

Root Device Type: ebsVirtualization type: hvm

Edit AMI

Instance Type

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t4g.micro	-	2	1	EBS only	Yes	Up to 5 Gigabit

Edit instance type

Security Groups

Security group name

SC61160086

Description

launch-wizard-1 created 2021-09-20T15:22:42.750+07:00

Edit security groups

Cancel

Previous

Launch

-step 7: รายละเอียดการตั้งค่าทั้งหมด

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. Amazon EC2 supports ED25519 and RSA key pair types.

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 type

☒ RSA
 ☐ ED25519

Key pair name

Kittiphon

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

-aws จะให้ใช้ key pair ในการเข้า ให้เลือก create a new key pair

Key pair type ชนิดการเข้ารหัส

Key pair name ชื่อ

Download key pair เก็บไว้ แล้วกด Launch instances

New EC2 Experience

Learn more

EC2 Dashboard

Events

Tags

Limits

Instances

Instances New

Instance Types

Instances (1) Info

Connect

Instance state

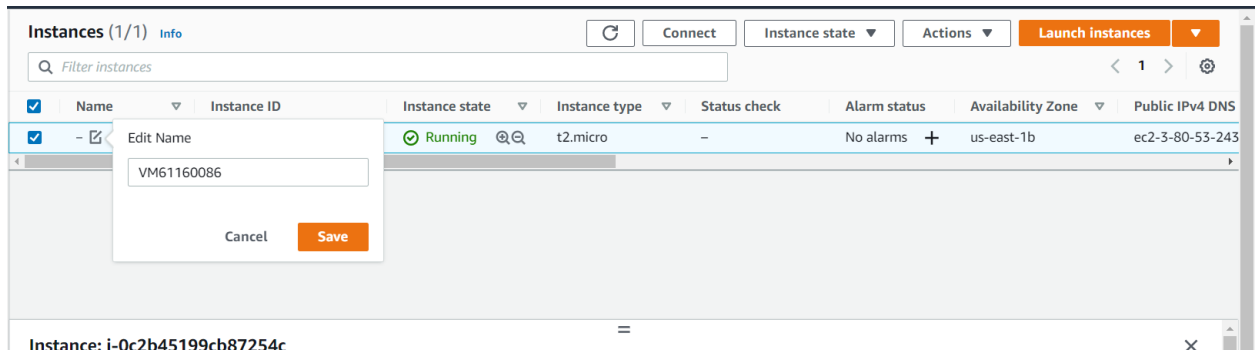
Actions

Launch instances

Filter instances

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input type="checkbox"/>	-	i-Oc2b45199cb87254c	Pending	t2.micro	-	No alarms +	us-east-1b	ec2-3-80-53-243

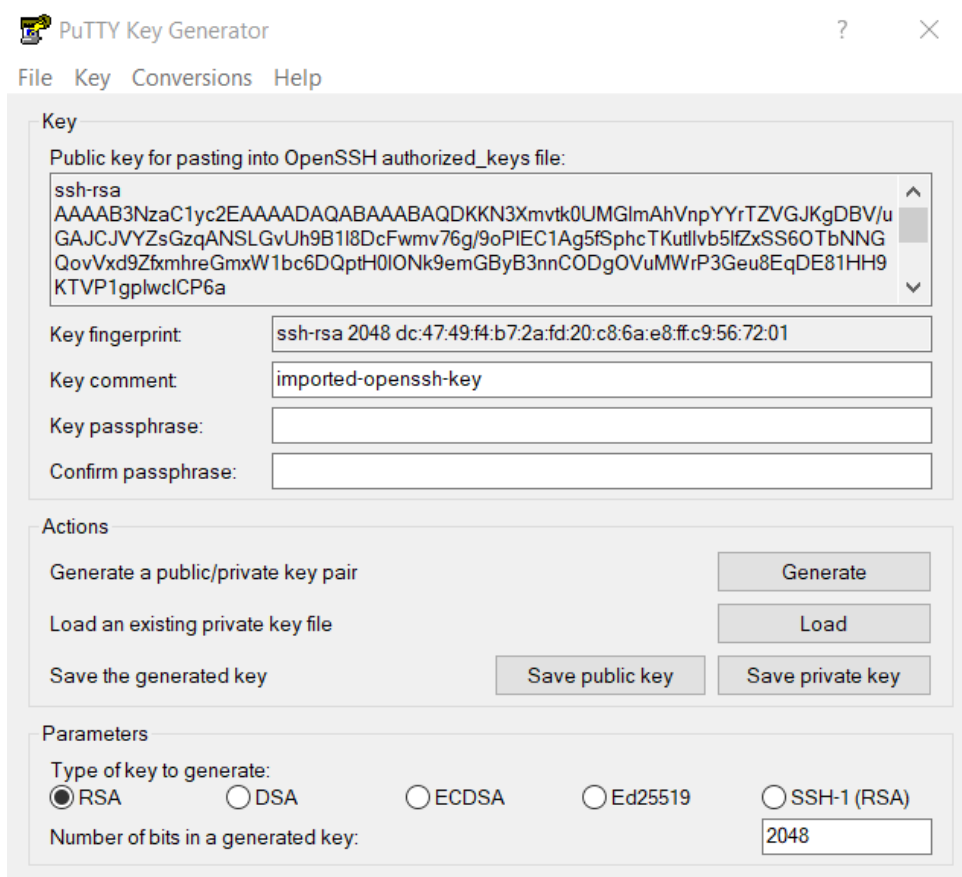
-ก็จะพบว่ามีการสร้างมา 1 อัน



-สามารถตั้งชื่อได้ โดยกด ตรง name -> Edit name

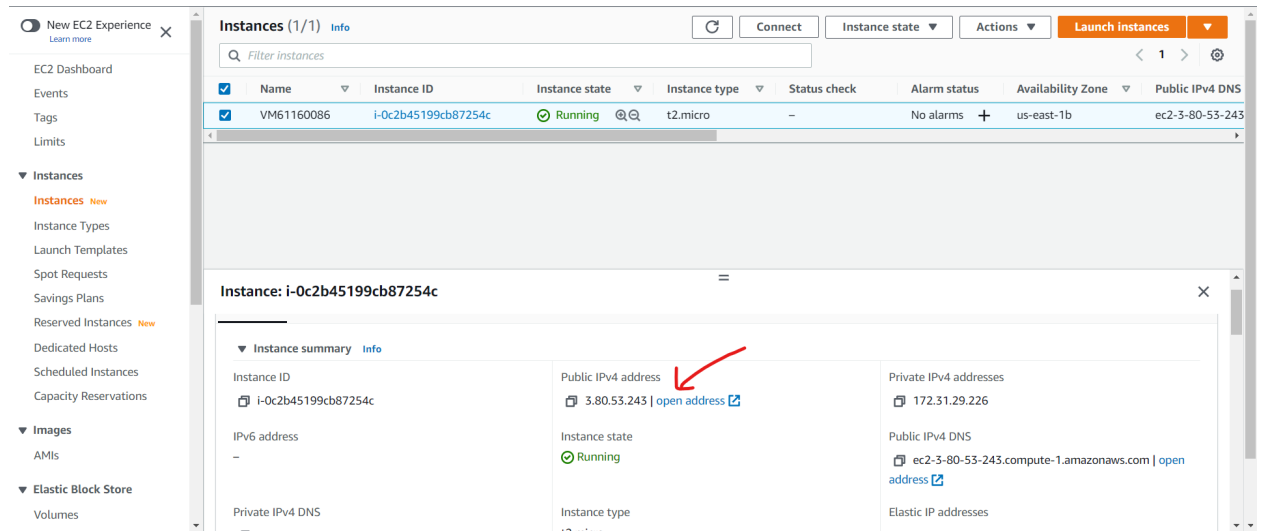
วิธีเข้า

ขั้นแรกต้อง gen key ใหม่ก่อน เพราะ เราใช้ নামสกุลนั้นไม่ได้ ทำโดยผ่านโปรแกรม PuTTY key generator



- กด load ไฟล์ที่เราโหลดมาจาก aws
- กด Save private key เป็นอันเสร็จ

ขั้นตอนที่ 2 เข้า ผ่าน putty
-ดู ip จาก aws มาก่อน



The screenshot shows the AWS Management Console interface. On the left is a navigation menu with options like 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances', 'Images', and 'Elastic Block Store'. The main area displays the 'Instances (1/1)' page. A table lists the instance 'VM61160086' with ID 'i-0c2b45199cb87254c', state 'Running', and type 't2.micro'. Below the table, the 'Instance: i-0c2b45199cb87254c' details are shown. In the 'Instance summary' panel, the 'Public IPv4 address' is '3.80.53.243', and a red arrow points to the 'open address' link next to it. Other details include 'Private IPv4 addresses' (172.31.29.226), 'Public IPv4 DNS' (ec2-3-80-53-243.compute-1.amazonaws.com), and 'Instance type' (t2.micro).

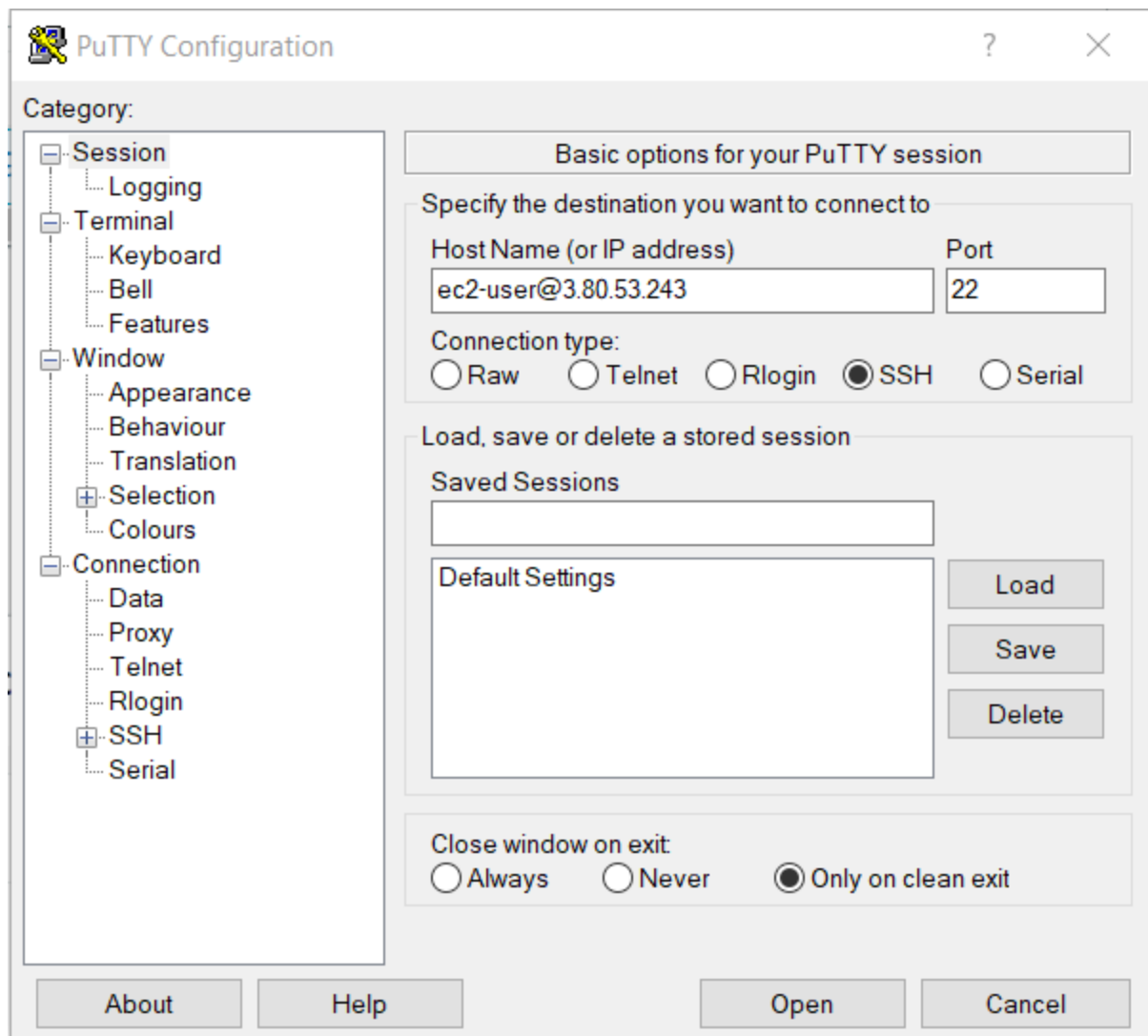
Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
VM61160086	i-0c2b45199cb87254c	Running	t2.micro	-	No alarms	us-east-1b	ec2-3-80-53-243

Instance: i-0c2b45199cb87254c

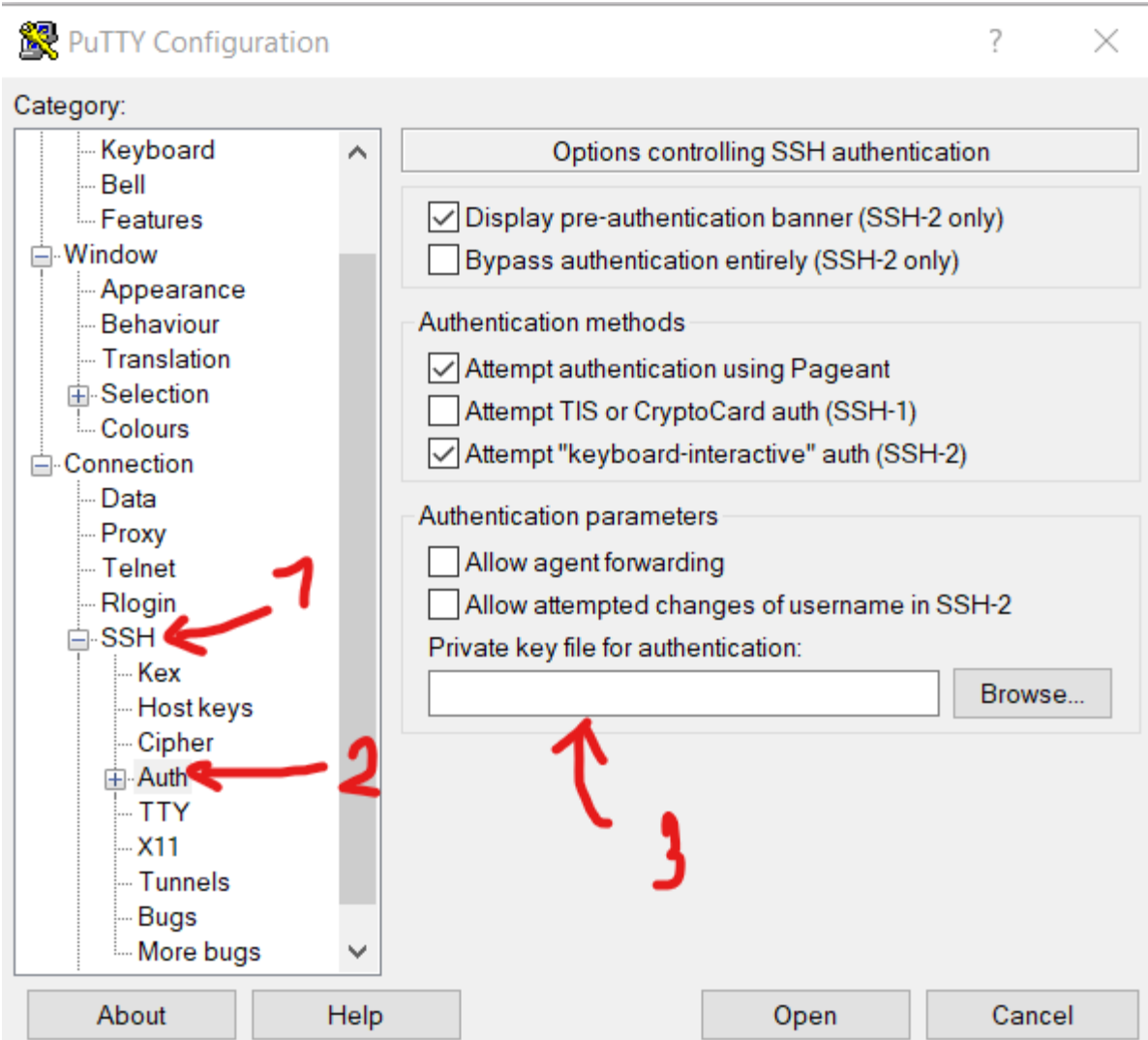
Instance summary

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0c2b45199cb87254c	3.80.53.243 open address	172.31.29.226
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-3-80-53-243.compute-1.amazonaws.com open address
Private IPv4 DNS	Instance type	Elastic IP addresses
	t2.micro	

-นำมาใส่ในโปรแกรม puty



-ใส่ user@ตามด้วย ip ใส่ตรง Hostname



-1.คลิก SSH->Auth แล้วกด browse เลือกไฟล์ แล้วกด open

```
ec2-user@ip-172-31-29-226:~  
Using username "ec2-user".  
Authenticating with public key "imported-openssh-key"  
[ec2-user@ip-172-31-29-226 ~]$
```

-ก็จะสามารถใช้งานได้

```
root@ip-172-31-29-226:~  
Authenticating with public key "imported-openssh-key"  
[ec2-user@ip-172-31-29-226 ~]$ yum update  
Error: This command has to be run with superuser privileges (under the root user  
on most systems).  
[ec2-user@ip-172-31-29-226 ~]$ ping google.com  
PING google.com (172.217.2.110) 56(84) bytes of data.  
64 bytes from yyz10s05-in-f14.1e100.net (172.217.2.110): icmp_seq=1 ttl=110 time  
=1.08 ms  
64 bytes from yyz10s05-in-f14.1e100.net (172.217.2.110): icmp_seq=2 ttl=110 time  
=1.17 ms  
^C  
--- google.com ping statistics ---  
2 packets transmitted, 2 received, 0% packet loss, time 1001ms  
rtt min/avg/max/mdev = 1.081/1.123/1.165/0.042 ms  
[ec2-user@ip-172-31-29-226 ~]$ yum update  
Error: This command has to be run with superuser privileges (under the root user  
on most systems).  
[ec2-user@ip-172-31-29-226 ~]$ sudo -  
sudo: -: command not found  
[ec2-user@ip-172-31-29-226 ~]$ su -  
Password:  
^C  
[ec2-user@ip-172-31-29-226 ~]$ sudo su -  
[root@ip-172-31-29-226 ~]# yum update
```

-ลอง yum update

