

How to Build Bonding Server by AWS EC2

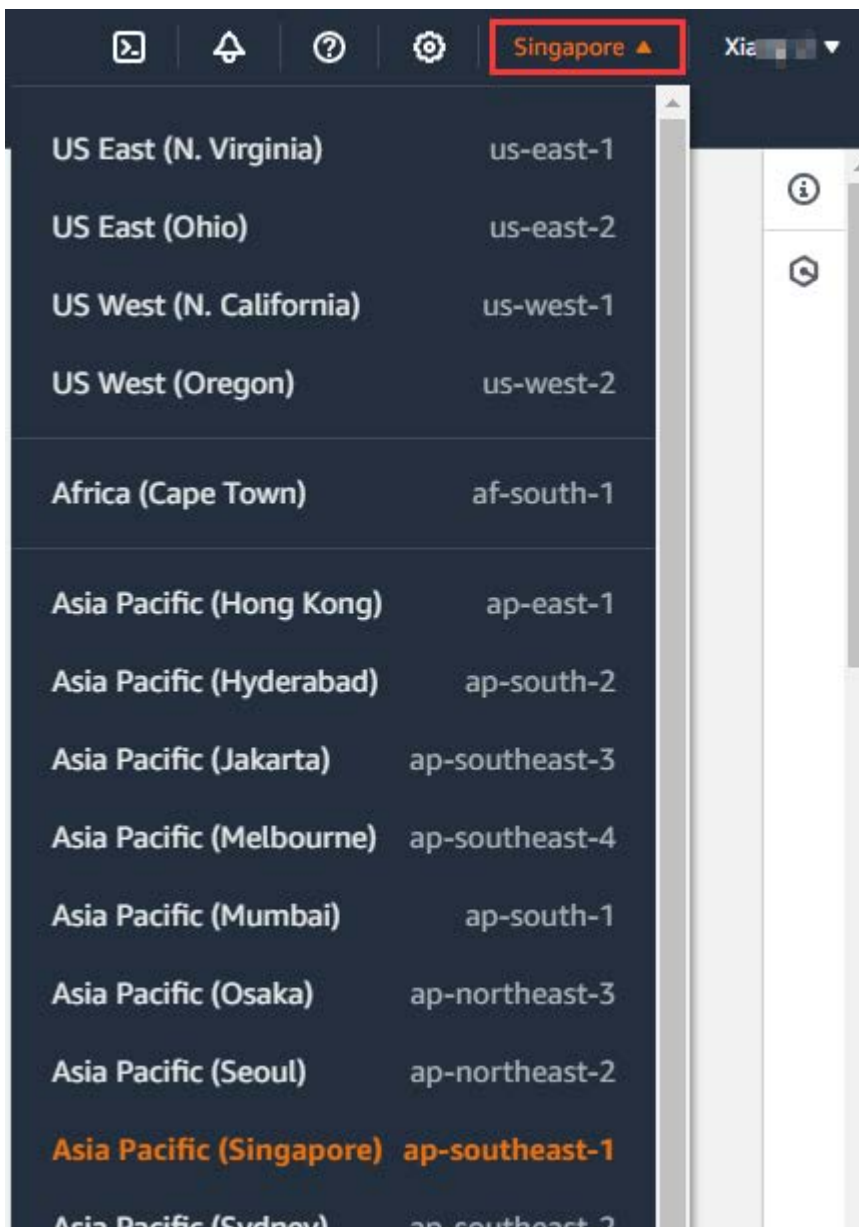
For AMIs

V1.0.2, May 9, 2024

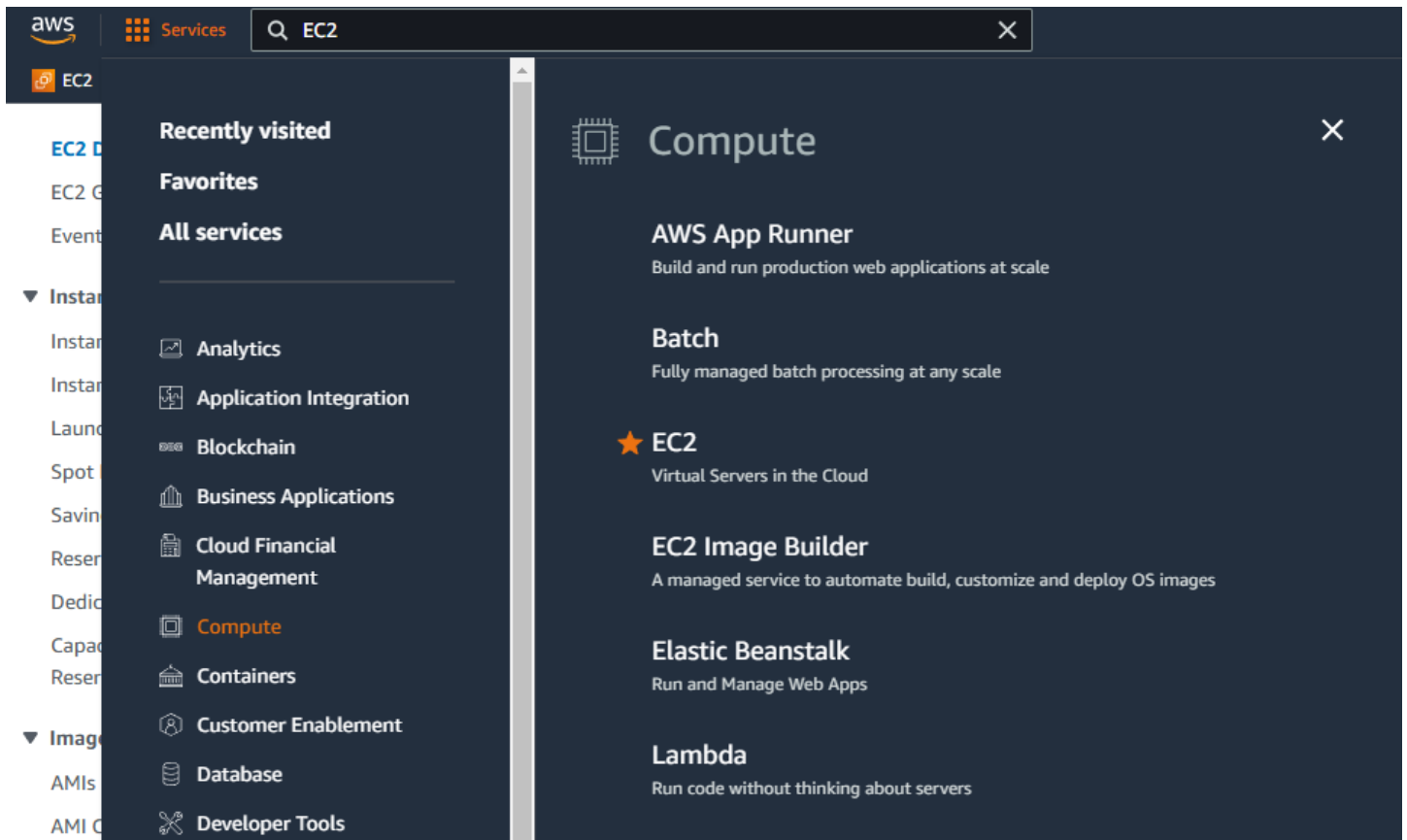
1. Click <https://aws.amazon.com>, sign in and verify your account, or you need to create a AWS account.

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, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

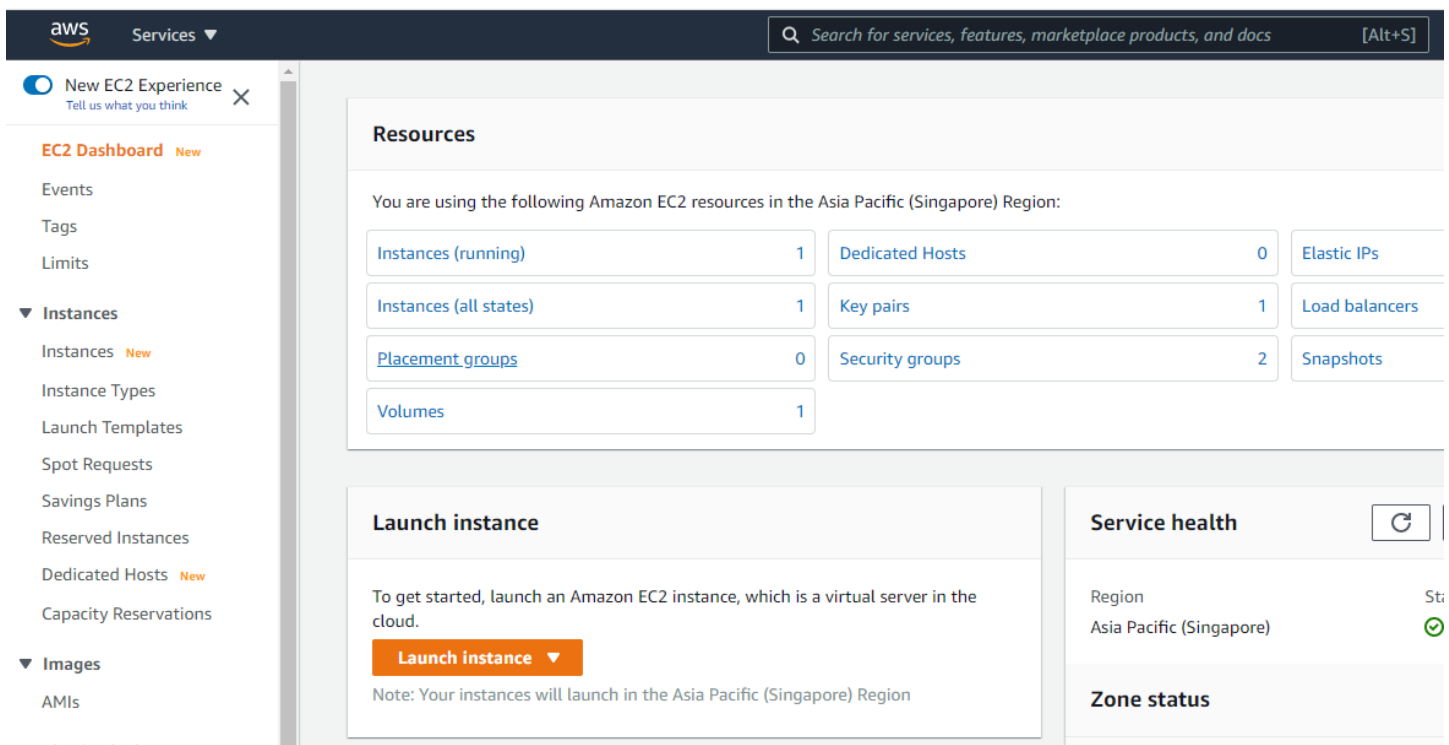
- a. Select the most appropriate **region** for your requirements. Region selection – top right, near your account, this guide select the Singapore region as example.



b. Pull down the Services or search EC2, then click the EC2,



c. Launch instance



d. click the **Browse more AMIs**

EC2 > Instances > Launch an instance

Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags [Info](#)

Name

Bonding Server

[Add additional tags](#)

▼ Application and OS Images (Amazon Machine Image) [Info](#)

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

Search our full catalog including 1000s of application and OS images

My AMIs | Quick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE Linux

[Browse more AMIs](#)

Including AMIs from AWS, Marketplace and the Community

by type **Mine Bonding Server**

and search it, then click the **community AMIs** to select the correct one,

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.

Selected AMI: (ami-05b46bc4327cf9d99) (Quickstart AMIs)

Mine Bonding Server

Quickstart AMIs (0)
Commonly used AMIs

My AMIs (0)
Created by me

AWS Marketplace AMIs (5878)
AWS & trusted third-party AMIs

Community AMIs (1)
Published by anyone

Refine results

Clear all filters

Operating system

Linux/Unix

All Linux/Unix

Amazon Linux

CentOS

Debian

Fedora

Mine Bonding Server (1 filtered, 1 unfiltered)

Community AMIs

Community AMIs contain all AMIs that are public, therefore anyone can publish an AMI and it will show in this catalog. This catalog can also contain paid products. When using community AMIs it is best practice to ensure you know and trust the publisher before launching an AMI.

Mine Bonding Server

ami-02bc28cc47a558207

Mine Bonding Server

Owner: AWS

Platform: Other Linux

Architecture: x86_64

Owner: 967639219845

Publish date: 2024-01-22

Root device type: ebs

Virtualization: hvm

ENA enabled: Yes

Select

e. Create new key pair or select the exist Key pair if you have.

Private key file format based on your demand, you can choose .pem or .ppk to download and save it, you may need use it to login the bonding server.

For windows pc by putty – select the ppk would be better.

AMI from catalog
My AMIs
Quick Start

Amazon Machine Image (AMI)

Mine Bonding Server

ami-02bc28cc47a558207

Catalog	Published	Architecture	Virtualization	Root device type	ENA Enabled
Community AMIs	2024-01-22T01:58:38.000Z	x86_64	hvm	ebs	Yes

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

▼ Instance type [Info](#) | [Get advice](#)

Instance type

t2.micro Free tier eligible

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

On-Demand Linux base pricing: 0.0146 USD per Hour

On-Demand Windows base pricing: 0.0192 USD per Hour

On-Demand RHEL base pricing: 0.0746 USD per Hour

On-Demand SUSE base pricing: 0.0146 USD per Hour

Additional costs apply for AMIs with pre-installed software

☒ All generations

Compare instance types

▼ Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

Select ▼

Create new key pair

Create key pair



Key pair name

Key pairs allow you to connect to your instance securely.

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

6

▼ Security group rule 1 (TCP, 22, 0.0.0.0/0)

Remove

Type | Info

ssh ▼

Protocol | Info

TCP

Port range | Info

22

Source type | Info

Anywhere ▼

Source | Info

Q Add CIDR, prefix list or security

0.0.0.0/0 ✕

Description - optional | Info

e.g. SSH for admin desktop

▼ Security group rule 2 (TCP, 54321, 0.0.0.0/0)

Remove

Type | Info

Custom TCP ▼

Protocol | Info

TCP

Port range | Info

54321

Source type | Info

Anywhere ▼

Source | Info

Q Add CIDR, prefix list or security

0.0.0.0/0 ✕

Description - optional | Info

e.g. SSH for admin desktop

▼ Security group rule 3 (TCP, 54322, 0.0.0.0/0)

Remove

Type | Info

Custom TCP ▼

Protocol | Info

TCP

Port range | Info

54322

Source type | Info

Anywhere ▼

Source | Info

Q Add CIDR, prefix list or security

0.0.0.0/0 ✕

Description - optional | Info

e.g. SSH for admin desktop

⚠ 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. ✕

Add security group rule

You can skip this page – for the inbound security groups rules, you can change them after the EC2 created.

Instances (1/1) Info											Launch instances
Find Instance by attribute or tag (case-sensitive)											
All states											
<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IPv6 IPs
<input checked="" type="checkbox"/>	Bonding Server	i-09921c34341b8d961	Running	t2.micro	2/2 checks passed	View alarms +	ap-southeast-1b	ec2-52-77-249-158.ap-...			

i-09921c34341b8d961 (Bonding Server)

Details | Status and alarms New | Monitoring | Security | Networking | Storage | Tags

Security details

IAM Role

-

Owner ID

967639219845

Launch time

Wed May 08 2024 13:01:35 GMT+0800 (China Standard Time)

Security groups

sg-0e39c84db947d8b31 (launch-wizard-1)

Inbound rules

Filter rules							< 1 >
Name	Security group rule ID	Port range	Protocol	Source	Security groups	Description	
-	sgr-04c79126b542f39d6	22	TCP	0.0.0.0/0	launch-wizard-1	-	

Outbound rules

Filter rules							< 1 >
Name	Security group rule ID	Port range	Protocol	Destination	Security groups	Description	
-	sgr-0d146a495084cf960	All	All	0.0.0.0/0	launch-wizard-1	-	

EC2 > Security Groups > sg-0e39c84db947d8b31 - launch-wizard-1

sg-0e39c84db947d8b31 - launch-wizard-1

Actions

Details

Security group name

launch-wizard-1

Security group ID

sg-0e39c84db947d8b31

Description

For Bonding Server

VPC ID

vpc-604d1004

Owner

967639219845

Inbound rules count

1 Permission entry

Outbound rules count

1 Permission entry

Inbound rules

Outbound rules

Tags

Inbound rules (1)

Refresh

Manage tags

Edit inbound rules

Search										< 1 >
<input type="checkbox"/>	Name	Security group rule...	IP version	Type	Protocol	Port range	Source	Description		
<input type="checkbox"/>	-	sgr-04c79126b542f39d6	IPv4	SSH	TCP	22	0.0.0.0/0	-		

EC2 > Security Groups > sg-0e39c84db947d8b31 - launch-wizard-1 > Edit inbound rules

Edit inbound rules

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules

Security group rule ID

sgr-04c79126b542f39d6

Type

SSH

Protocol

TCP

Port range

22

Source

Custom

Description - optional

-

Custom TCP

TCP

54321

Anywhere-IPv4

Add rule

Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Cancel

Preview changes

Save rules

