

# VM



馮治平

October 2021

# 登入

- aws.amazon.com
- AWS 管理主控台



# oregon 建立 windows VM

- AWS
- EC2
- Site: Oregon (cheapest)

Screenshot of the AWS Management Console showing the navigation bar and service categories.

The navigation bar includes:

- AWS (highlighted with a red arrow)
- Services (dropdown menu)
- Edit (dropdown menu)
- Chih-Pin Fong (dropdown menu)
- Tokyo (region dropdown)
- Support (dropdown menu)

The main content area displays service categories:

- Amazon Web Services**
  - Compute
    - EC2 (highlighted with a red arrow)
    - EC2 Container Service
    - Elastic Beanstalk
    - Lambda
  - Storage & Content Delivery
    - S3
    - CloudFront
- Developer Tools
  - CodeCommit
  - CodeDeploy
  - CodePipeline
- Management Tools
  - CloudWatch
  - CloudFormation
  - CloudTrail
- Internet of Things
  - AWS IoT
- Game Development
  - GameLift
- Mobile Services
  - Mobile Hub
  - Cognito
  - Device Farm
- Resource Groups
  - Resources with "Name" tag
- Additional Resources
  - Getting Started
  - Read our documentation or view our training to learn more about AWS.

# 建立 windows VM(2)

- Launch Instance

The screenshot shows the AWS EC2 'Create Instance' wizard. The left sidebar has a 'Launch Instances' tab selected. The main content area is titled 'Create Instance' with a sub-instruction: 'To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.' Below this is a large blue 'Launch Instance' button, which is highlighted with a red arrow pointing to it from the left.

Reserved Instances  
Commands  
Dedicated Hosts

IMAGES

AMIs  
Bundle Tasks

ELASTIC BLOCK STORE

Easily deploy Ruby, PHP, Java, .NET, Python, Node.js & Docker applications with [Elastic Beanstalk](#).

Create Instance

To start using Amazon EC2 you will want to launch a virtual server, known as an Amazon EC2 instance.

**Launch Instance**

https://ap-northeast-1.console.aws.amazon.com/ec2/v2/home?region=ap-northeast-1#LaunchInstanceWizard

AWS Services Edit Chih-Pin Fong Tokyo Support

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

Step 1: Choose an Amazon Machine Image (AMI) Cancel and End

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.

Quick Start < < 1 to 22 of 22 AMIs > >

My AMIs Select

Amazon Linux AMI 2016.03.0 (HVM), SSD Volume Type - ami-f80e0596

# 建立 windows VM(3)

The screenshot shows the AWS Cloud9 interface for creating a new instance. The top navigation bar includes the AWS logo, Services dropdown, and Edit dropdown. Below the navigation bar is a horizontal step navigation bar with seven items: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Tag Instance, 6. Configure Security Group, and 7. Review. A red box surrounds the first six items, and a red arrow points to the 'Review' item. The main content area is titled 'Step 1: Choose an Amazon Machine Image (AMI)'. It explains what an AMI is and provides options to select from My AMIs, AWS Marketplace, or Community AMIs. A red box surrounds the 'Quick Start' sidebar, and a red arrow points to the 'Free tier only' checkbox. The sidebar also lists 'My AMIs', 'AWS Marketplace', and 'Community AMIs'. The main content area displays three AMI options:

- Amazon Linux AMI 2016.03.0 (HVM), SSD Volume Type - ami-f80e0596**  
Amazon Linux Free tier eligible  
The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.  
Root device type: ebs Virtualization type: hvm
- Red Hat Enterprise Linux 7.2 (HVM), SSD Volume Type - ami-0dd8f963**  
Red Hat Free tier eligible  
Red Hat Enterprise Linux version 7.2 (HVM), EBS General Purpose (SSD) Volume Type  
Root device type: ebs Virtualization type: hvm
- SUSE Linux Enterprise Server 12 SP1 (HVM), SSD Volume Type - ami-f822089a**  
SUSE Free tier eligible

# 建立 windows VM(4)

## 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-2-4-myTestEC2, 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](#)

**Microsoft Windows Server 2012 R2 Base - ami-57282639**

Free tier eligible

Microsoft Windows 2012 R2 Standard edition with 64-bit architecture. [English]

Root Device Type: ebs Virtualization type: hvm

If you plan to use this AMI for an application that benefits from Microsoft License Mobility, fill out the [License Mobility Form](#). Don't show me this again

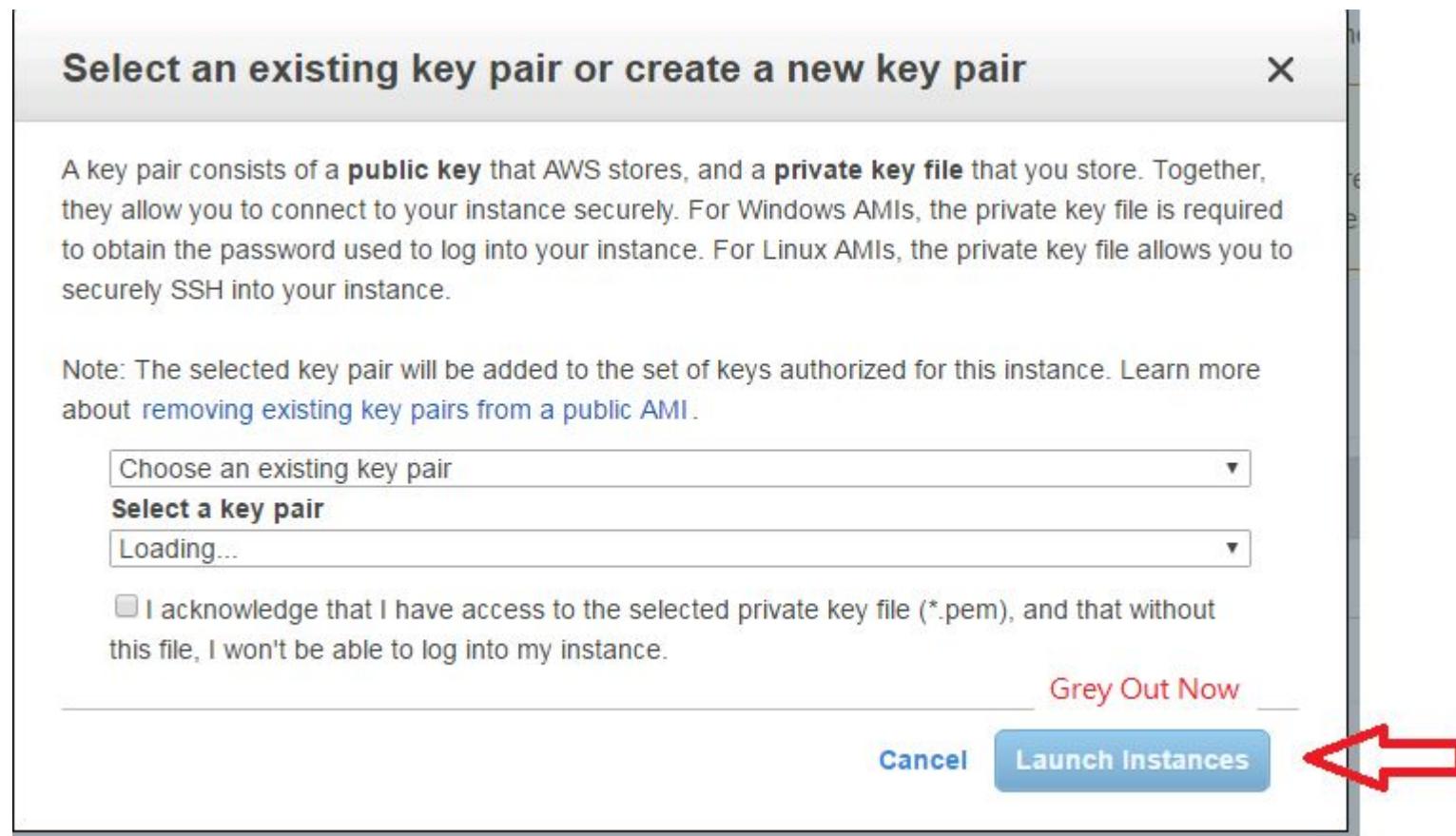
### Instance Type

[Edit instance type](#)

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

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

# 建立 windows VM(5)



# EC2 目前使用資源(和計費相關, 重要)

AWS Services Edit Chih-Pin Fong Tokyo

EC2 Dashboard Resources Account Attributes

You are using the following Amazon EC2 resources in the Asia Pacific (Tokyo) region:

1 Running Instances 正在跑的機器(VM)有多少台	0 Elastic IPs
0 Dedicated Hosts 注意: 只是計算能力	0 Snapshots
1 Volumes 空間, 硬碟, 一個 instances 必定有相對應 Vol	0 Load Balancers
2 Key Pairs 密碼組	2 Security Groups 防火牆安全設定
0 Placement Groups	

Events Tags Reports Limits INSTANCES Instances Spot Requests Supported Platforms VPC Default VPC vpc-12309077 Resource ID length management Additional Information