

# VM



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# 登入

- aws.amazon.com
- AWS 管理主控台



# oregon 建立 windows VM

- AWS
- EC2
- Site: Oregon (cheapest)

The screenshot shows the AWS Management Console interface. At the top, the navigation bar includes the AWS logo (highlighted with a red arrow), 'Services', 'Edit', and user information 'Chih-Pin Fong' with a dropdown arrow. The location is set to 'Tokyo' (highlighted with a red arrow) with a 'Support' link. The main heading is 'Amazon Web Services'. The 'Compute' section is active, listing services like EC2 (highlighted with a red arrow), EC2 Container Service, Elastic Beanstalk, and Lambda. Other sections include 'Developer Tools' (CodeCommit, CodeDeploy, CodePipeline), 'Management Tools' (CloudWatch, CloudFormation, CloudTrail), 'Internet of Things' (AWS IoT), 'Game Development' (GameLift), and 'Mobile Services' (Mobile Hub, Cognito, Device Farm). On the right, there are links for 'Resource Groups' and 'Additional Resources', along with buttons for 'Create a Group' and 'Tag Editor'.

AWS Services

Services Edit Chih-Pin Fong Tokyo Support

## Amazon Web Services

### Compute

- EC2** Virtual Servers in the Cloud
- EC2 Container Service Run and Manage Docker Containers
- Elastic Beanstalk Run and Manage Web Apps
- Lambda Run Code in Response to Events

### Storage & Content Delivery

- S3 Scalable Storage in the Cloud
- CloudFront Global Content Delivery Network

### Developer Tools

- CodeCommit Store Code in Private Git Repositories
- CodeDeploy Automate Code Deployments
- CodePipeline Release Software using Continuous Delivery

### Management Tools

- CloudWatch Monitor Resources and Applications
- CloudFormation Create and Manage Resources with Templates
- CloudTrail Track User Activity and API Usage

### Internet of Things

- AWS IoT Connect Devices to the Cloud

### Game Development

- GameLift Deploy and Scale Session-based Multiplayer Games

### Mobile Services

- Mobile Hub Build, Test, and Monitor Mobile Apps
- Cognito User Identity and App Data Synchronization
- Device Farm Test Android, FireOS, and iOS Apps on Real Devices in

### Resource Groups

Learn more

Resources with "Name" tag

Create a Group Tag Editor

### Additional Resources

Getting Started [🔗](#)

Read our [documentation](#) or view our [training](#) to learn more about AWS.

# 建立 windows VM(2)

- Launch Instance

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**

AWS Services Edit Chih-Pin Fong Tokyo Sup

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 E](#)

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



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

Select

# 建立 windows VM(3)

 **AWS** ▾ **Services** ▾ **Edit** ▾

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)

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### Quick Start

My AMIs

AWS Marketplace

Community AMIs


☐ Free tier only

**Amazon Linux**  
Free tier eligible

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

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**  
Free tier eligible

**Red Hat Enterprise Linux 7.2 (HVM), SSD Volume Type** - ami-0dd8f963

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-f8220896



# 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

# 建立 windows VM(5)

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.](#)

Choose an existing key pair

Select a key pair

Loading...

☐ I acknowledge that I have access to the selected private key file (\*.pem), and that without this file, I won't be able to log into my instance.

Cancel

Launch Instances

Grey Out Now

A red arrow pointing from the right side of the image towards the 'Launch Instances' button in the dialog box.

# EC2 目前使用資源(和計費相關, 重要)

The screenshot displays the AWS Management Console interface for the Asia Pacific (Tokyo) region. The top navigation bar includes the AWS logo, 'AWS' dropdown, 'Services' dropdown, 'Edit' dropdown, and user information 'Chih-Pin Fong' and 'Tokyo'.

The left sidebar contains the following navigation items:

- EC2 Dashboard (highlighted with a red arrow)
- Events
- Tags
- Reports
- Limits
- INSTANCES
  - Instances
  - Spot Requests

The main content area is titled 'Resources' (highlighted with a red arrow) and shows the following resources in the Asia Pacific (Tokyo) region:

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

The right sidebar, titled 'Account Attributes', lists the following information:

- Supported Platforms
  - VPC
- Default VPC
  - vpc-12309077
- Resource ID length manageme
- Additional Information