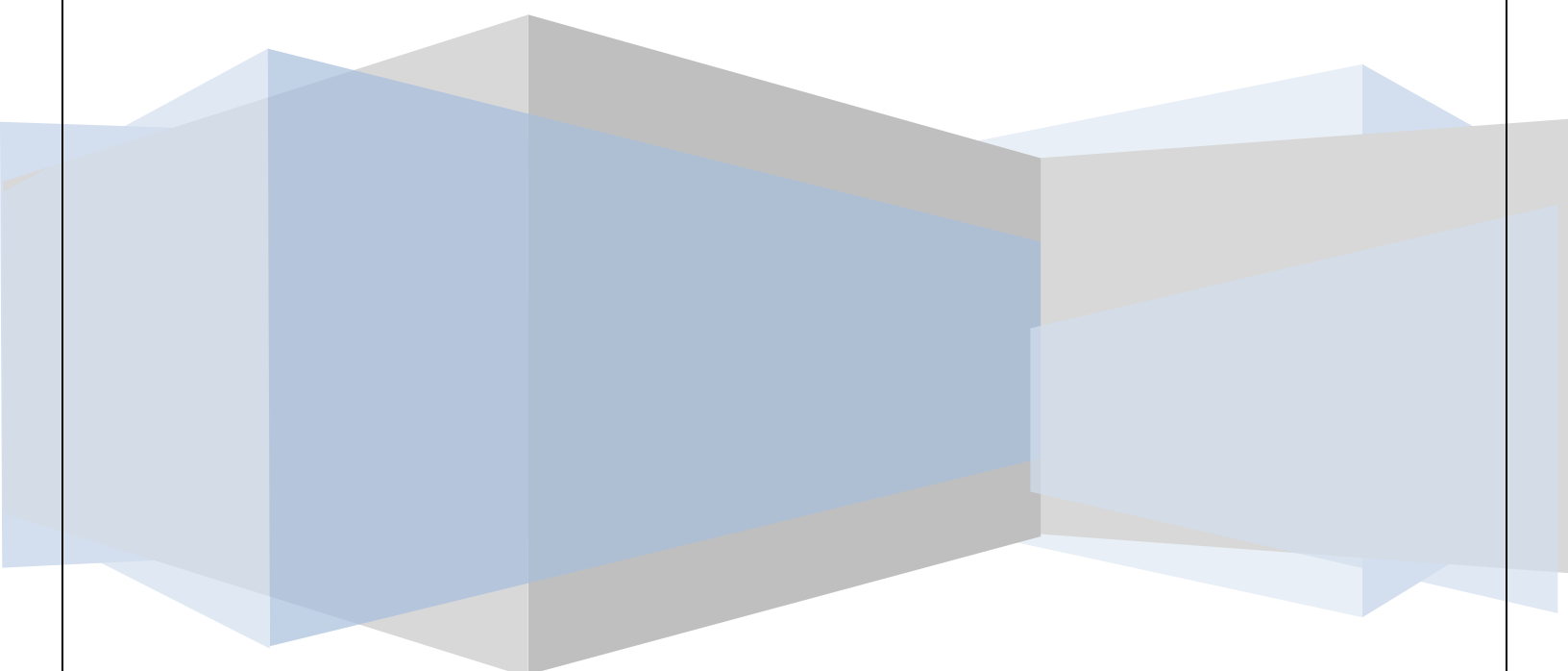




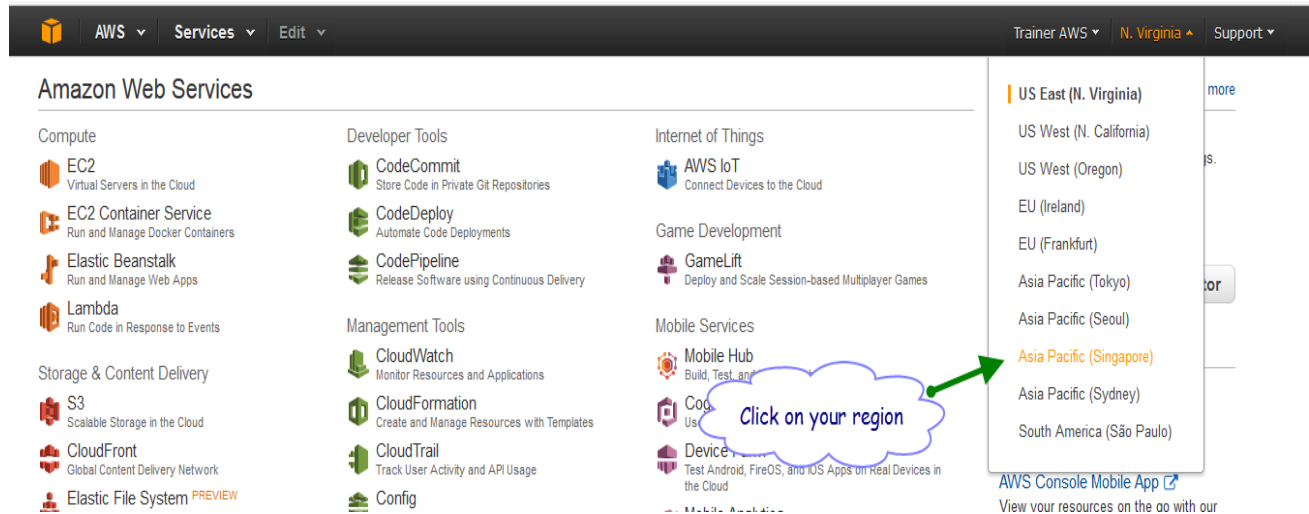
IT TOOK YOU YEARS OF EXPERIENCE
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TACT is an online technology academy for competency training to train the IT professionals and uplift their career to discover more opportunities in the space of emerging technologies.

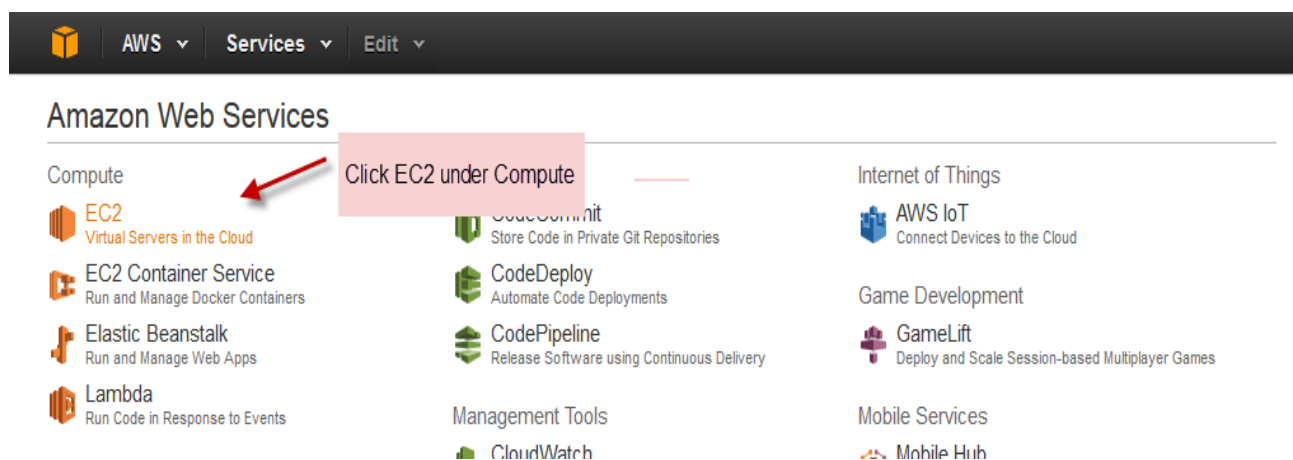
AWS Cloud Training Creating an instance in AWS



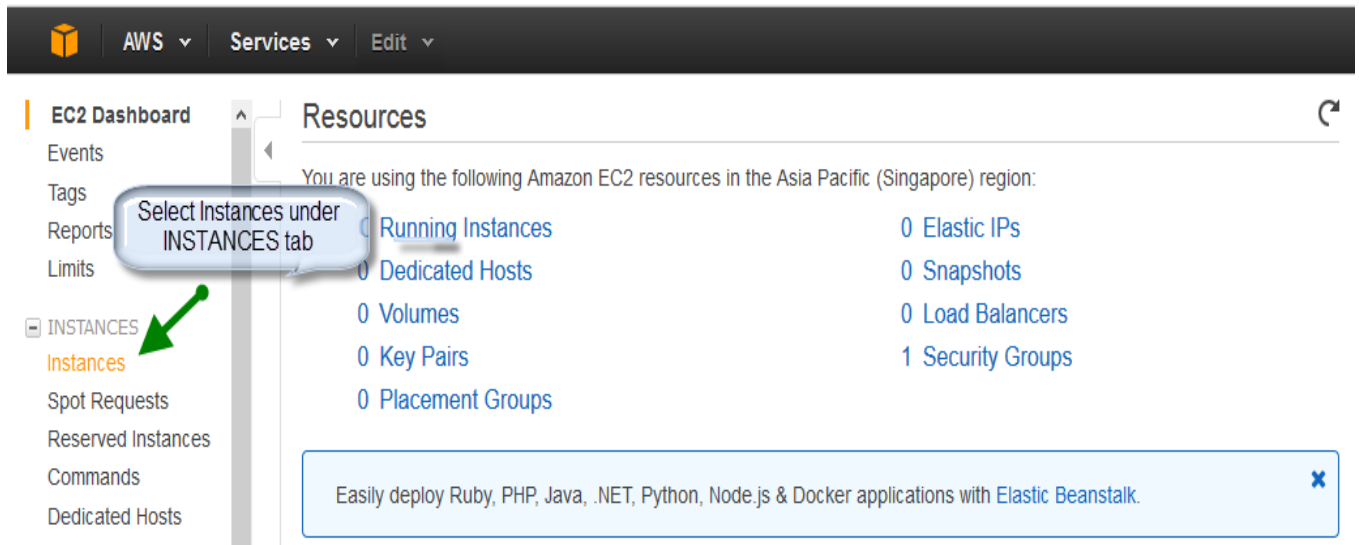
Select your region from drop down list on the top right side.



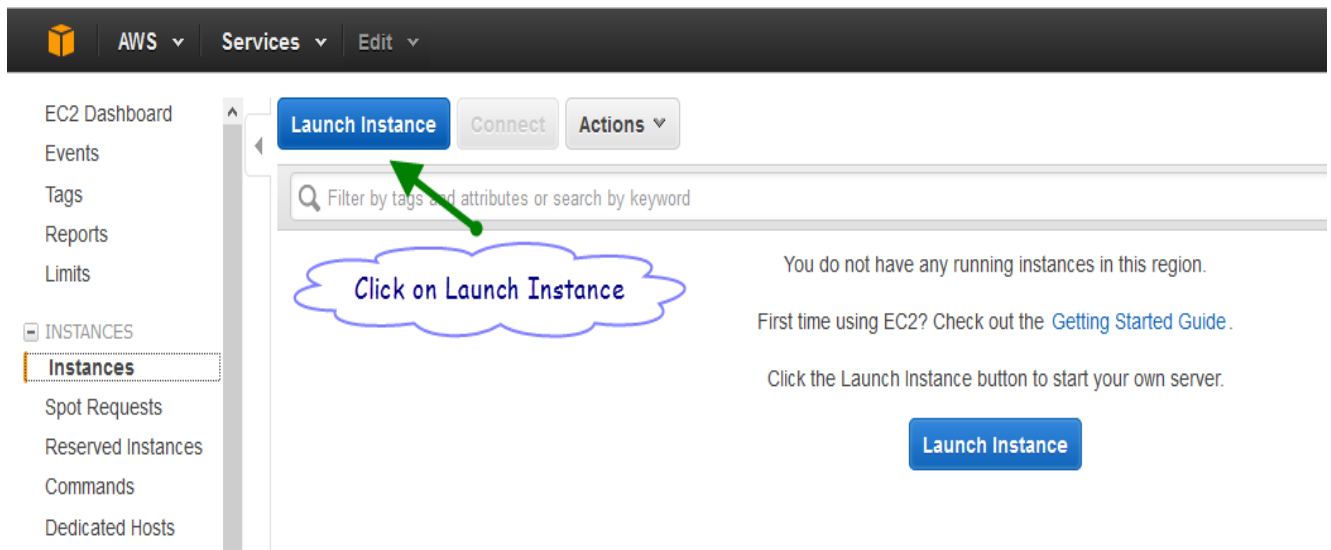
Then Click on EC2 under Compute.



Then click on instances under INSTANCES from left pane.



Click on Launch Instance to create a new instance.



Choose an AMI and click on Select to choose the AMI.

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.

Quick Start

My AMIs
AWS Marketplace
Community AMIs

☐ Free tier only ⓘ

Amazon Linux AMI 2016.03.0 (HVM), SSD Volume Type - ami-e90dc68a
Free tier eligible
The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.
Root device type: ebs Virtualization type: hvm
64-bit
Select

Red Hat Enterprise Linux 7.2 (HVM), SSD Volume Type - ami-3f03c55c
Free tier eligible
Red Hat Enterprise Linux version 7.2 (HVM), EBS General Purpose (SSD) Volume Type
Root device type: ebs Virtualization type: hvm
64-bit
Select

SUSE Linux Enterprise Server 12 SP 1 (HVM), SSD Volume Type - ami-2a19da49
Free tier eligible
SUSE Linux Enterprise Server 12 Service Pack 1 (HVM), EBS General Purpose (SSD) Volume Type. Public Cloud, Advanced Systems Management, Web and Scripting, and Legacy modules enabled.
Root device type: ebs Virtualization type: hvm
64-bit
Select

Select an AMI from the list

Select and instance type and click on Next: Configure Instance Details to go to next screen.

Step 2: Choose an Instance Type

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 types Current generation Show/Hide Columns

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

Select an Instance Type Family

	Type	vCPUs ⓘ	Memory (GiB)	Instance Storage (GB) ⓘ	EBS-Optimized Available ⓘ	Network Performance ⓘ
<input type="checkbox"/>	General purpose t2.nano	1	0.5	EBS only	-	Low to Moderate
<input checked="" type="checkbox"/>	General purpose t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose t2.small	1	2	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose t2.medium	2	4	EBS only	-	Moderate
<input type="checkbox"/>	General purpose t2.large	2	8	EBS only	-	Moderate
<input type="checkbox"/>	General purpose m4.large	2	8	EBS only	Yes	Moderate

Click on Configure Instance Details to go to next screen.

Cancel Previous Review and Launch Next: Configure Instance Details

Do not change any configurations in this menu and click Next to Add Storage.

EC2 Management Console

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

AWS Services Edit

Trainer AWS Singapore Support

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

Step 3: Configure Instance Details

Number of instances 1 [Launch into Auto Scaling Group](#)

Purchasing option ☐ Request Spot instances

Network vpc-afdea0c8 (172.31.0.0/16) (default) [Create new VPC](#)

Subnet No preference (default subnet in any Availability Zone) [Create new subnet](#)

Auto-assign Public IP Use subnet setting (Enable)

IAM role None [Create new IAM role](#)

Shutdown behavior Stop

Enable termination protection ☐ Protect against accidental termination

Monitoring ☐ Enable CloudWatch detailed monitoring
[Additional charges apply.](#)

Tenancy Shared - Run a shared hardware instance

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Storage](#)

https://ap-southeast-1.console.aws.amazon.com/console/home?region=ap-southeast-1 © 2008 - 2016, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. [Privacy Policy](#) [Terms of Use](#)

Specify the ROOT volume size in GB's and click on Next.

AWS Services Edit

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

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	Delete on Termination	Encrypted
Root	/dev/xvda	snap-c0381a21	8	General Purpose SSD (GP2)	24 / 3000	<input checked="" type="checkbox"/>	Not Encrypted

[Add New Volume](#)

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

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Tag Instance](#)

Specify a tag to your instance and click next.

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[1. Choose AMI](#)
[2. Choose Instance Type](#)
[3. Configure Instance](#)
[4. Add Storage](#)
[5. Tag Instance](#)
[6. Configure Security Group](#)
[7. Review](#)

Step 5: Tag Instance

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver. [Learn more](#) about tagging your Amazon EC2 resources.

Key (127 characters maximum)

Value (255 characters maximum)

(Up to 10 tags maximum)

Name your instance a tag

Click here to go to next screen

Click on Create a new security group, add a name and description to the security group and click on Review and launch.

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[1. Choose AMI](#)
[2. Choose Instance Type](#)
[3. Configure Instance](#)
[4. Add Storage](#)
[5. Tag Instance](#)
[6. Configure Security Group](#)
[7. 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

Click Create a new SG

Specify a name and Description

Name:

Description:

Type	Protocol	Port Range	Source
SSH	TCP	22	Anywhere 0.0.0.0/0

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.

Click here to go to next screen

Cross check all your settings for your instance and click on Launch.

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, test, 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](#)
Amazon Linux AMI 2016.03.0 (HVM), SSD Volume Type - ami-e90dc68a
The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.
Root Device Type: ebs Virtualization type: hvm

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](#)

Select choose an existing key pair from dropdown list to get the existing key pairs. Choose the existing key pair and then click on acknowledgement then click Launch instance.

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, test, is open to the world.
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Root Device Type: ebs Virtualization type: hvm

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](#)

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
test

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


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

Click here to Launch instance

Click on View instances to see the instance which is creating.


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[Services](#)
[Edit](#)
[Trainer AWS](#)
[Singapore](#)
[Support](#)

Launch Status


Get notified of estimated charges
 Create [billing alerts](#) to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).

How to connect to your instances

Your instances are launching, and it may take a few minutes until they are in the **running** state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.



Click **View Instances** to monitor your instances' status. Once your instances are in the **running** state, you can **connect** to them from the Instances screen. [Find out](#) how to connect to your instances.

▼ Here are some helpful resources to get you started

- [How to connect to your Linux instance](#)
- [Amazon EC2: User Guide](#)
- [Learn about AWS Free Usage Tier](#)
- [Amazon EC2: Discussion Forum](#)

While your instances are launching you can also

- [Create status check alarms](#) to be notified when these instances fail status checks. (Additional charges may apply)
- [Create and attach additional EBS volumes](#) (Additional charges may apply)
- [Manage security groups](#)



[View Instances](#)

You can see the instance which is creating under instances tab.