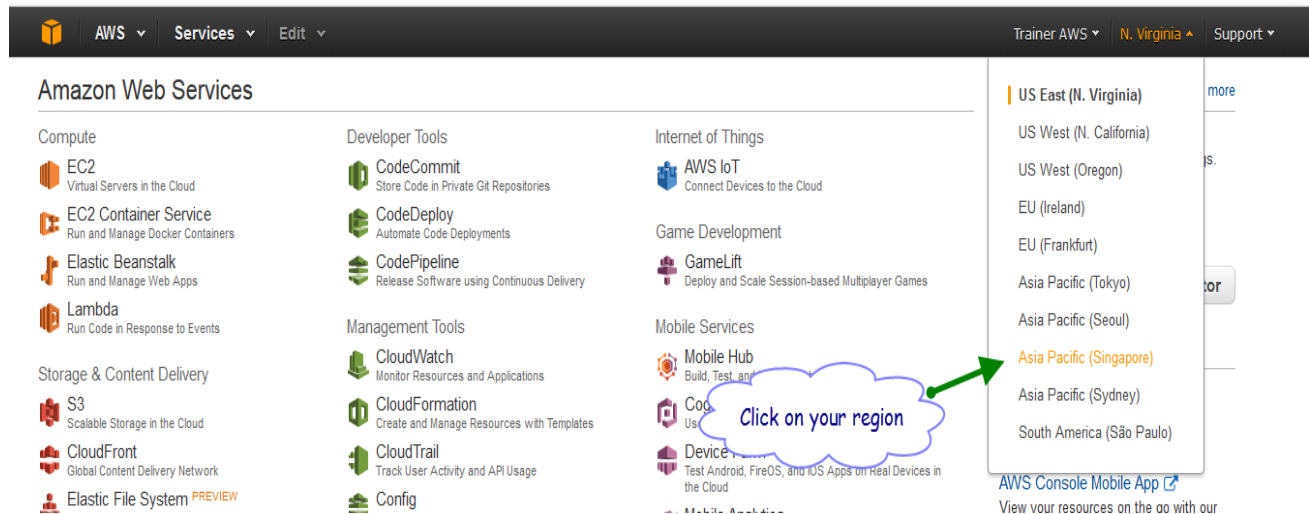


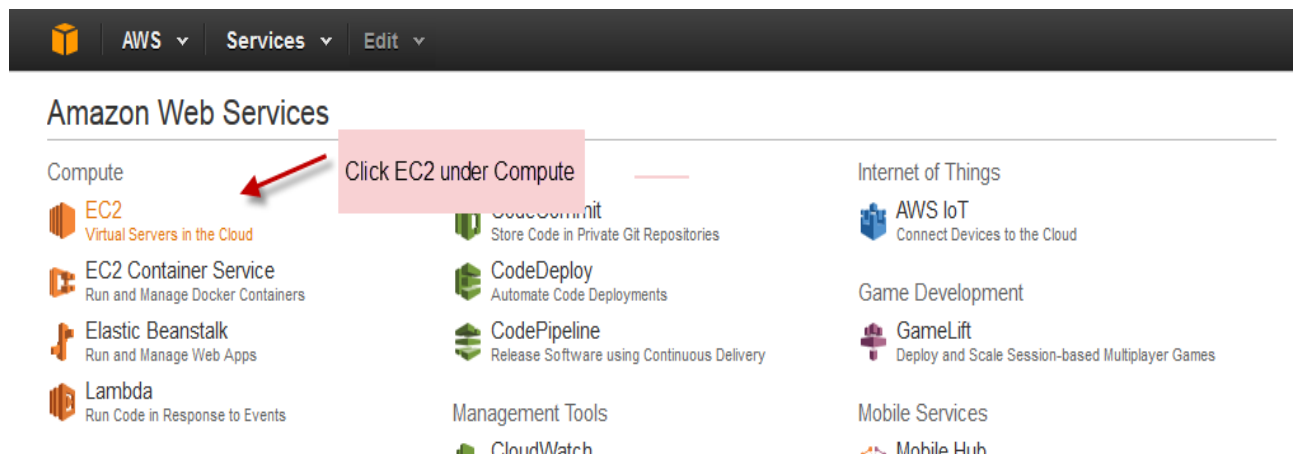
# AWS CREATING YOUR FIRST INSTANCE

Login to AWS Management console.

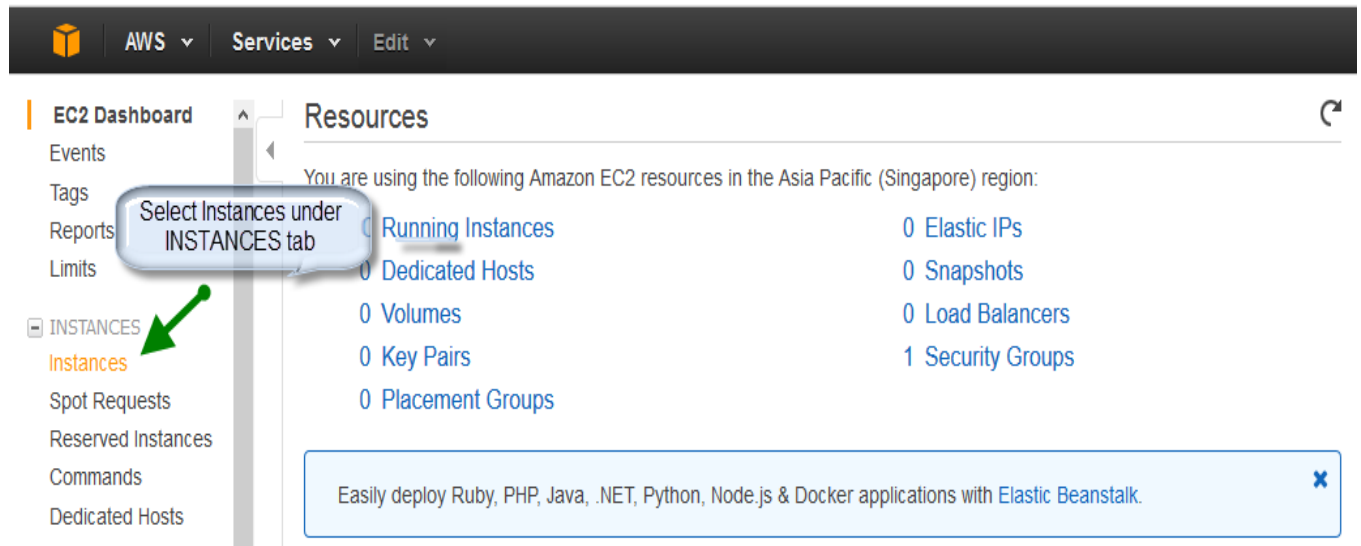
Select your region from drop down list on the top right side.



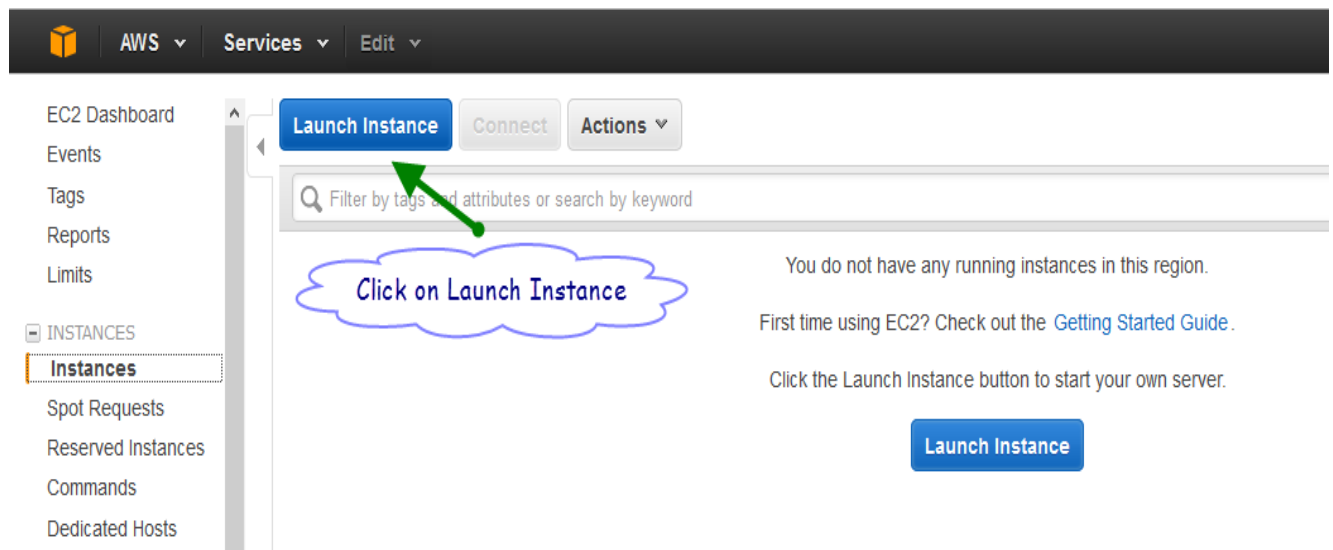
Then Click on EC2 under Compute.



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)** [Cancel and Exit](#)

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

Logo	AMI Name	Description	Root device type	Virtualization type	Action
	<b>Amazon Linux AMI 2016.03.0 (HVM), SSD Volume Type</b> - 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.	ebs	hvm	<a href="#">Select</a>
	<b>Red Hat Enterprise Linux 7.2 (HVM), SSD Volume Type</b> - ami-3f03c55c	Red Hat Enterprise Linux version 7.2 (HVM), EBS General Purpose (SSD) Volume Type	ebs	hvm	<a href="#">Select</a>
	<b>SUSE Linux Enterprise Server 12 SP 1 (HVM), SSD Volume Type</b> - ami-2a19da49	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.	ebs	hvm	<a href="#">Select</a>

Select 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 vCPU, 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 <small>Free tier eligible</small>	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

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

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

**Step 3: Configure Instance Details**

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

Purchasing option: ☐ Request Spot instances

Network:  [Create new VPC](#)

Subnet:  [Create new subnet](#)

Auto-assign Public IP:

IAM role:  [Create new IAM role](#)

Shutdown behavior:

Enable termination protection: ☐ Protect against accidental termination

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

Tenancy:

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

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

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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 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](#)

Specify the root volume storage in GB's

Click here to go to next screen

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)
Name	Testing

[Create Tag](#) (Up to 10 tags maximum)

Name your instance a tag

Click here to go to next screen

Cancel
Previous
Review and Launch
Next: Configure Security Group

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

**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** (points to 'Create a new security group')

**Specify a name and Description** (points to 'Name' and 'Description' fields)

Name:  Description:

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

**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.

**Click here to go to next screen** (points to 'Review and Launch' button)

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

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**

**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

**Instance Type** [Edit instance type](#)

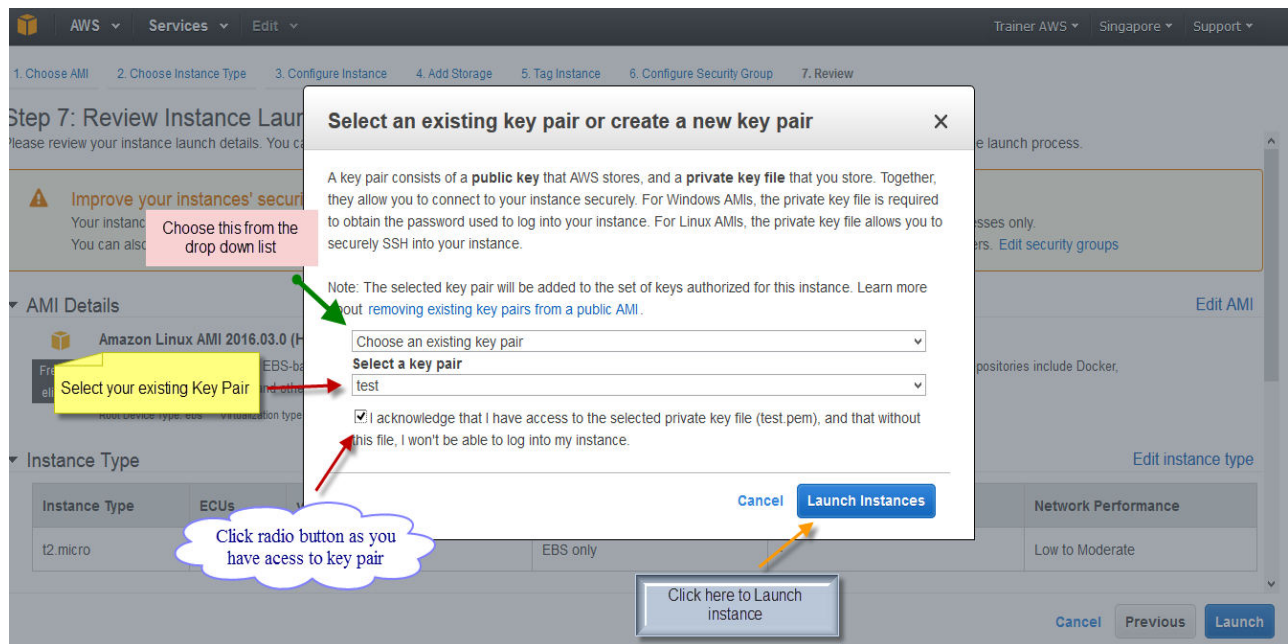
Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

**Click here to launch** (points to 'Launch' button)

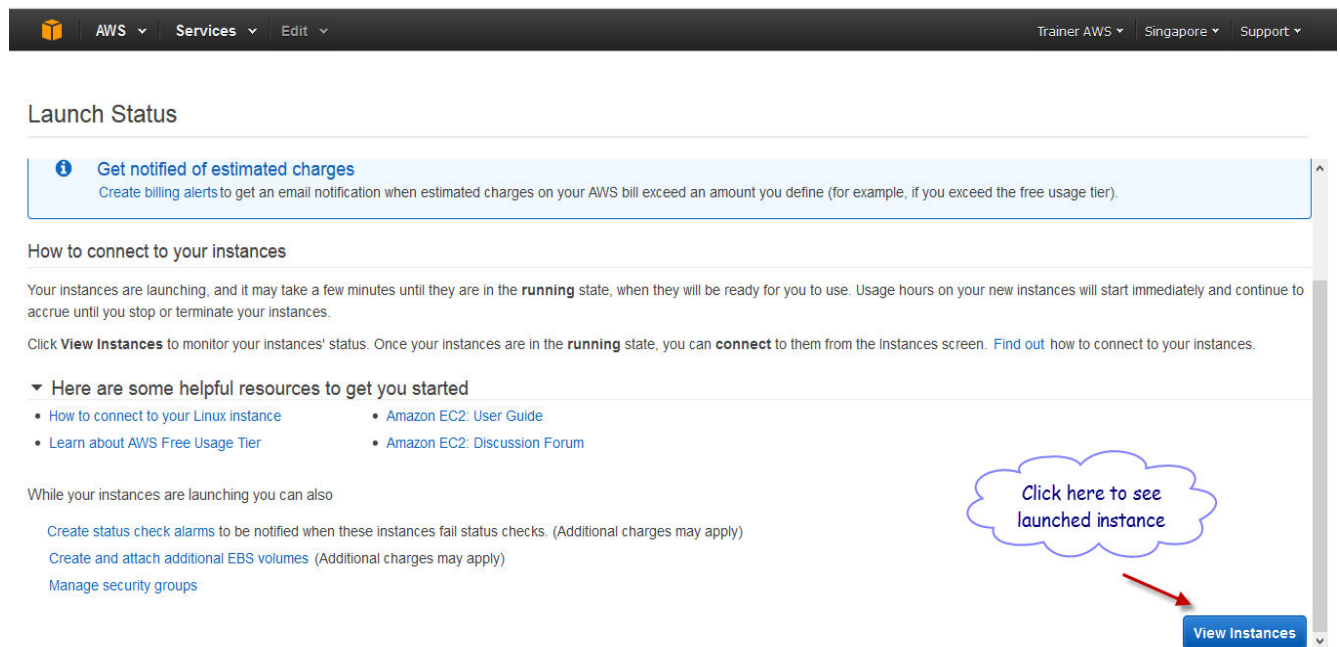
[Cancel](#) [Previous](#) [Launch](#)

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.





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



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