EC2- Demo

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

aws   Services ⌄   Resource Groups ⌄   📌   🔔   capg ⌄   Mumbai ⌄   Support ⌄

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

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.

🔍 Search for an AMI by entering a search term e.g. "Windows"   ✕

Search by Systems Manager parameter

Quick Start	|< < 1 to 40 of 40 AMIs > >|

My AMIs	📦 **Amazon Linux 2 AMI (HVM), SSD Volume Type** - ami-0470e33cd681b2476 (64-bit x86) / ami-01116f0e8a6908170 (64-bit Arm)	**Select**
AWS Marketplace	Amazon Linux Free tier eligible	● 64-bit (x86)
Community AMIs	Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras.	○ 64-bit (Arm)
☐ Free tier only ⓘ	Root device type: ebs Virtualization type: hvm ENA Enabled: Yes	
	📦 **Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type** - ami-04b2519c83e2a7ea5	**Select**

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Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, 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)

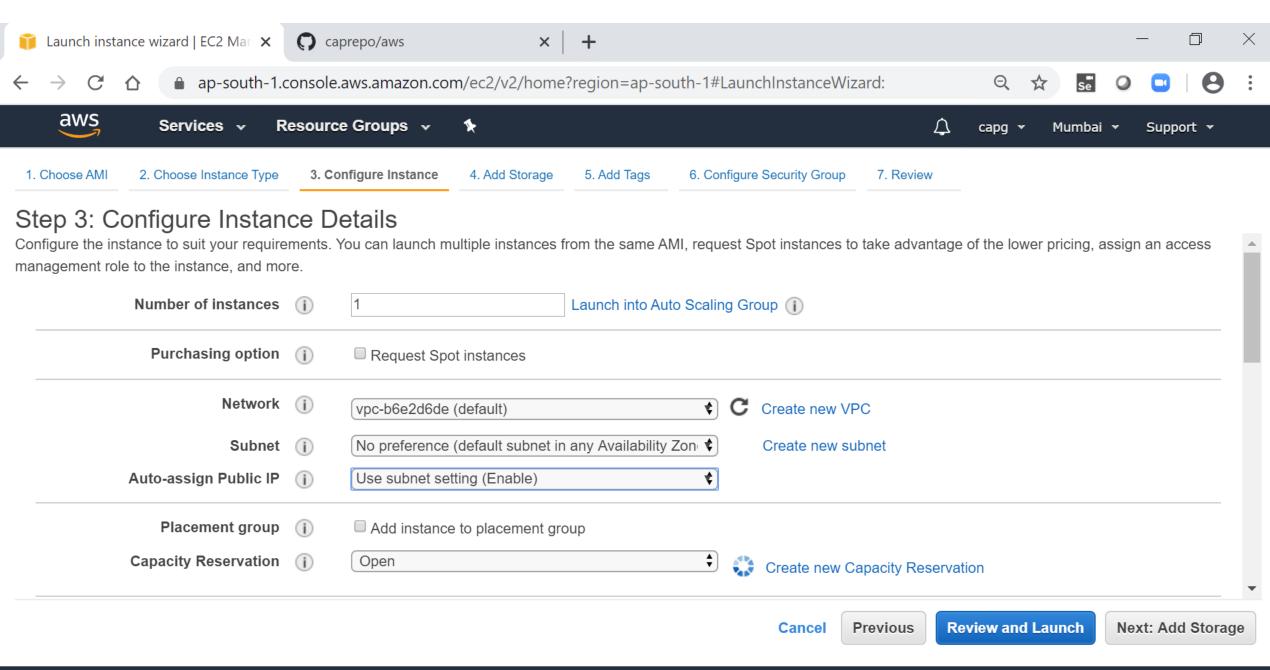|	Family	Type	vCPUs ⓘ	Memory (GiB)	Instance Storage (GB) ⓘ	EBS-Optimized Available	Network Performance ⓘ	IPv6 Support ⓘ
☐	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
☑	General purpose	t2.micro **Free tier eligible**	1	1	EBS only	-	Low to Moderate	Yes
☐	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes

Cancel   [Previous]   [**Review and Launch**]   [Next: Configure Instance Details]

aws   Services ∨   Resource Groups ∨   📌

capg ∨   Mumbai ∨   Support ∨

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Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances ⓘ | 1 | Launch into Auto Scaling Group ⓘ

Purchasing option ⓘ   ☐ Request Spot instances

Network ⓘ | vpc-b6e2d6de (default) ⬍ | ↻   Create new VPC

Subnet ⓘ | No preference (default subnet in any Availability Zon ⬍ | Create new subnet

Auto-assign Public IP ⓘ | Use subnet setting (Enable) ⬍ |

Placement group ⓘ   ☐ Add instance to placement group

Capacity Reservation ⓘ | Open ⬍ | ⟳ Create new Capacity Reservation

Cancel   Previous   Review and Launch   Next: Add Storage

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Step 3: Configure Instance Details

IAM role ⓘ	[None ⇕] 🔄 Create new IAM role
Shutdown behavior ⓘ	[Stop ⇕]
Stop - Hibernate behavior ⓘ	☐ Enable hibernation as an additional stop behavior
Enable termination protection ⓘ	☐ Protect against accidental termination
Monitoring ⓘ	☐ Enable CloudWatch detailed monitoring Additional charges apply.
Tenancy ⓘ	[Shared - Run a shared hardware instance ⇕] Additional charges will apply for dedicated tenancy.
T2/T3 Unlimited ⓘ	☐ Enable Additional charges may apply

Cancel   Previous   **Review and Launch**   Next: Add Storage

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

aws | **Services** ∨ **Resource Groups** ∨ 📌

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Step 3: Configure Instance Details

File systems ⓘ [Add file system] ↻ Create new file system

▼ **Advanced Details**

Metadata accessible ⓘ | Enabled ⬍ |

Metadata version ⓘ | V1 and V2 (token optional) ⬍ |

Metadata token response hop limit ⓘ | 1 ⬍ |

User data ⓘ   ● As text ○ As file ☐ Input is already base64 encoded

```
# Download and install the AWS SDK for PHP
wget https://github.com/aws/aws-sdk-php/releases/download/3.62.3/aws.zip
unzip aws -d /var/www/html
# Turn on web server
chkconfig httpd on
service httpd start
```

Cancel   [Previous]   **Review and Launch**   [Next: Add Storage]

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

aws   **Services** ▾   **Resource Groups** ▾   📌   🔔   capg ▾   Mumbai ▾   Support ▾

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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 ⓘ	Throughput (MB/s) ⓘ	Delete on Termination ⓘ	Encryption ⓘ
Root	/dev/xvda	snap-021c1a065f31a3e06	8	General Purpose SSD (gp2) ▾	100 / 3000	N/A	☑	Not Encrypte ▾

Add New Volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. Learn more about free usage tier eligibility and usage restrictions.

Cancel   Previous   **Review and Launch**   Next: Add Tags

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Step 5: Add Tags

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.
A copy of a tag can be applied to volumes, instances or both.
Tags will be applied to all instances and volumes. Learn more about tagging your Amazon EC2 resources.

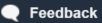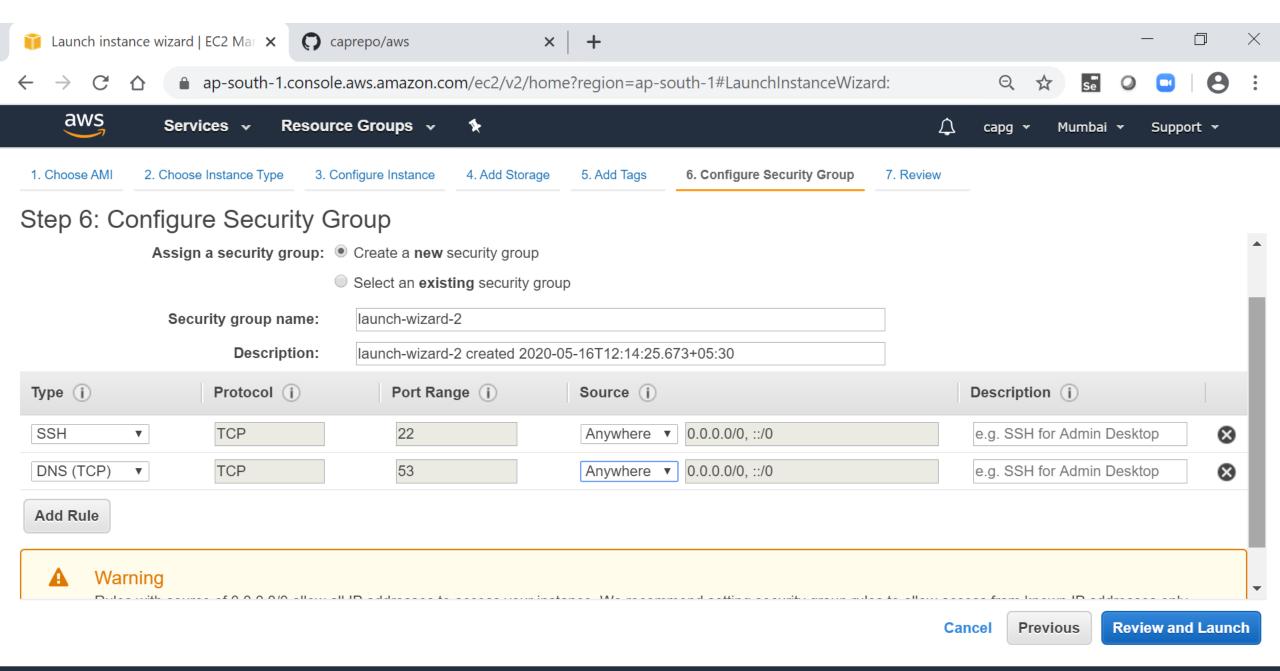| Key (128 characters maximum)	Value (256 characters maximum)	Instances ⓘ	Volumes ⓘ	
evn	dev	☑	☑	✖

Add another tag   (Up to 50 tags maximum)

Cancel   Previous   **Review and Launch**   Next: Configure Security Group

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Step 6: Configure Security Group

Assign a security group: ● Create a **new** security group

○ Select an **existing** security group

Security group name: launch-wizard-2

Description: launch-wizard-2 created 2020-05-16T12:14:25.673+05:30

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ		Description ⓘ	
SSH ▾	TCP	22	Anywhere ▾	0.0.0.0/0, ::/0	e.g. SSH for Admin Desktop	⊗
DNS (TCP) ▾	TCP	53	Anywhere ▾	0.0.0.0/0, ::/0	e.g. SSH for Admin Desktop	⊗

Add Rule

⚠ **Warning**

Cancel | Previous | **Review and Launch**

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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, 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 2 AMI (HVM), SSD Volume Type - ami-0470e33cd681b2476**

Free tier   Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26,
eligible   Binutils 2.29.1, and the latest software packages through extras.

Root Device Type: ebs   Virtualization type: hvm

▼ Instance Type   Edit instance type
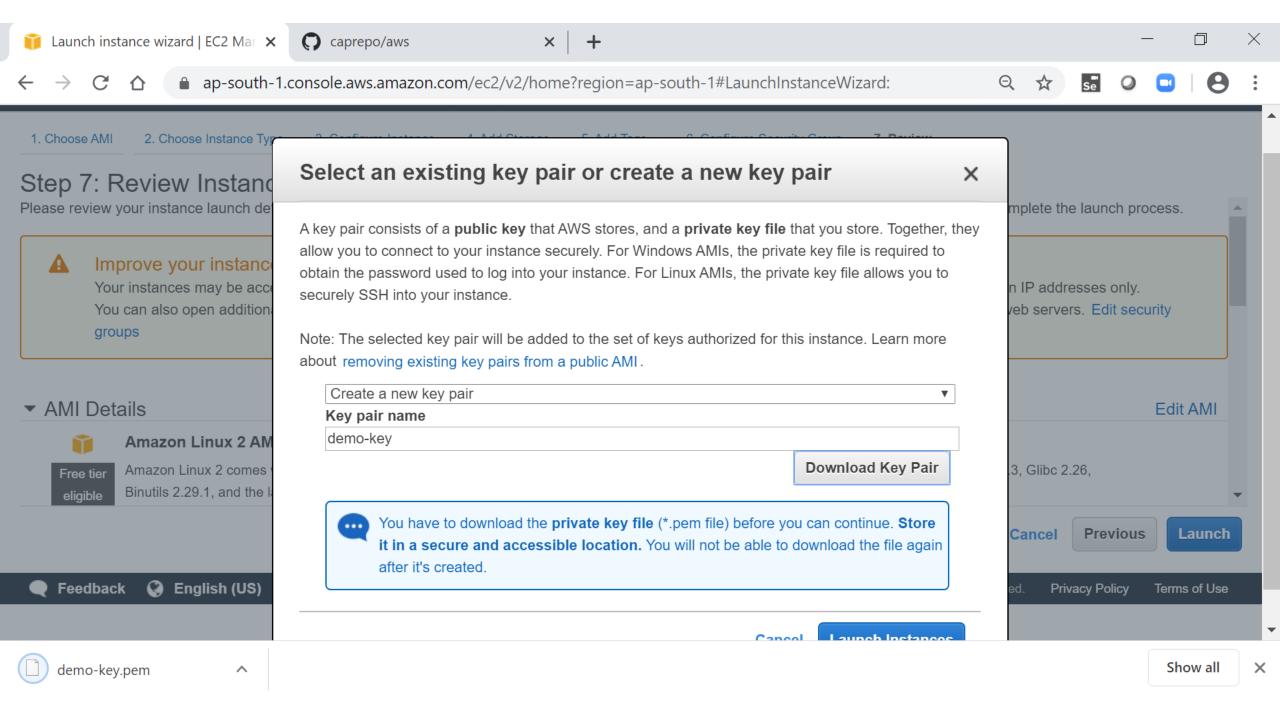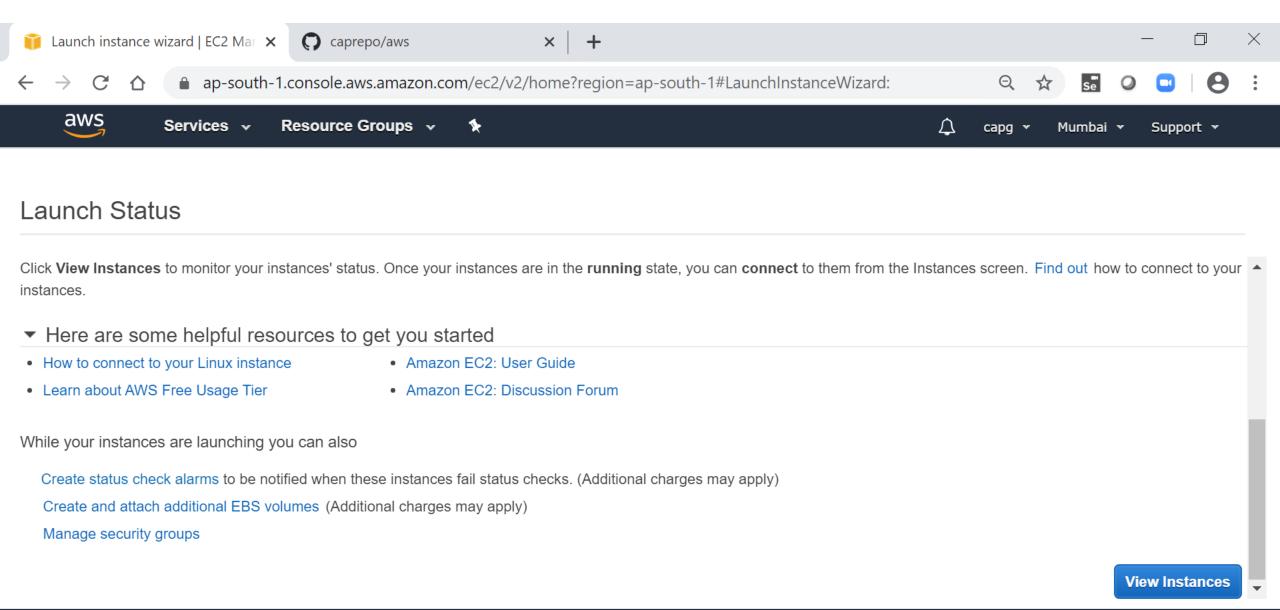
Cancel   Previous   **Launch**

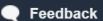💬 Feedback   🌐 English (US)   © 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.   Privacy Policy   Terms of Use

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Step 7: Review Instan

Please review your instance launch de   mplete the launch process.

⚠ **Improve your instance**
Your instances may be acc
You can also open addition   IP addresses only.
                                                                                        web servers. Edit security
groups

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 .

▼ AMI Details   Edit AMI

Create a new key pair   ▾

Key pair name

demo-key

📦 **Amazon Linux 2 AM**
Free tier   Amazon Linux 2 comes   3, Glibc 2.26,
eligible   Binutils 2.29.1, and the l   Download Key Pair

💬 You have to download the **private key file** (*.pem file) before you can continue. **Store
it in a secure and accessible location.** You will not be able to download the file again
after it's created.

Cancel   Previous   Launch

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Cancel   Launch Instances

demo-key.pem   ∧   Show all   ✕

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Launch Status

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
- Learn about AWS Free Usage Tier

- Amazon EC2: User Guide
- 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

demo-key.pem   ⌃   Show all   ✕