

# EC2 (Elastic Compute Cloud)

## Create EC2 in new format

### open ec2 instance and click launch instances

Instances [Info](#) Refresh Connect Instance state Actions Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IP
------	-------------	----------------	---------------	--------------	--------------	-------------------	-----------------	-----------

### Insert name

#### Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

##### Name and tags [Info](#)

Name

webserver

[Add additional tags](#)

### Search OS

#### ▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

#### Quick Start

### Specify windows select

**Quickstart AMIs (19)**  
Commonly used AMIs

**My AMIs (0)**  
Created by me

**AWS Marketplace AMIs (921)**  
AWS & trusted third-party AMIs

**Community AMIs (500)**  
Published by anyone

**Refine results**

[Clear all filters](#)

☒ Free tier only [Info](#)

windows (7 filtered, 19 unfiltered)

	<b>Microsoft Windows Server 2019 Base</b> ami-0efb1b2509c97bef7 (64-bit (x86)) Microsoft Windows 2019 Datacenter edition, [English] <b>Free tier eligible</b>	Platform: windows Root device type: ebs Virtualization: hvm ENA enabled: Yes	<b>Select</b> <input checked="" type="radio"/> 64-bit (x86)
--	--	---	--

### Select instance type

#### ▼ Instance type [Info](#)

Instance type

t2.micro

Family: t2 1 vCPU 1 GiB Memory  
On-Demand Linux pricing: 0.0124 USD per Hour  
On-Demand Windows pricing: 0.017 USD per Hour

Free tier eligible

[Compare instance types](#)

## EC2 (Elastic Compute Cloud)

### create key pair for access to windows key

Create key pair

Key pairs allow you to connect to your instance securely.

Enter the name of the key pair below. When prompted, store the private key in a secure and accessible location on your computer. **You will need it later to connect to your instance.** [Learn more](#)

Key pair name

webserver

The name can include upto 255 ASCII characters. It can't include leading or trailing spaces.

Private key file format

☒ .pem  
For use with OpenSSH

☐ .ppk  
For use with PuTTY

Cancel

Create key pair

### If you create key option

#### ▼ Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

webserver



[Create new key pair](#)

For Windows instances, you use a key pair to decrypt the administrator password. You then use the decrypted password to connect to your instance.

### Click edit to change network setting

#### ▼ Network settings

Edit

Network

vpc-00747eff45a5d528d

Subnet

No preference (Default subnet in any availability zone)

Auto-assign public IP

Enable

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.



Create security group



Select existing security group

## EC2 (Elastic Compute Cloud)

Click to vpc and AZ and enable to public ip

### ▼ Network settings

VPC - *required* [Info](#)

vpc-00747eff45a5d528d  
172.31.0.0/16

(default) ▼



Subnet [Info](#)

subnet-0111eab3802da7138

VPC: vpc-00747eff45a5d528d Owner: 659202326636  
Availability Zone: ap-south-1a IP addresses available: 4091



[Create new subnet](#)



Auto-assign public IP [Info](#)

Enable ▼

## Configure SG

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group

☐ Select existing security group

Security group name - *required*

web-sg

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and \_-:/()#,@[]+=&;{}!\$\*

Description - *required* [Info](#)

launch-wizard-1 created 2022-06-16T06:33:34.324Z

Inbound security groups rules

▼ Security group rule 1 (TCP, 3389, 0.0.0.0/0)

[Remove](#)

Type [Info](#)

rdp ▼

Protocol [Info](#)

TCP

Port range [Info](#)

3389

Source type [Info](#)

Anywhere ▼

Source [Info](#)

☐ Add CIDR prefix list or security group

Description - *optional* [Info](#)

e.g. SSH for admin desktop

## CONFIGURE STORAGE

▼ Configure storage [Info](#)

[Advanced](#)

1x  GiB  ▼ Root volume

[i](#) Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage [X](#)

[Add new volume](#)

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

0 x File systems

[Edit](#)

## EC2 (Elastic Compute Cloud)

### Check all configuration summary and select launch

**▼ Summary**

Number of instances [Info](#)

1

**Software Image (AMI)**  
Microsoft Windows Server 2019 ...[read more](#)  
ami-0efb1b2509c97bef7

**Virtual server type (instance type)**  
t2.micro

**Firewall (security group)**  
New security group

**Storage (volumes)**  
1 volume(s) - 30 GiB

[Free tier: In your first year includes 750](#) [X](#)

[Cancel](#) [Launch instance](#)

### Successfully create EC2 and check all details

**Instances (1/1) Info** [Refresh](#) [Connect](#) [Instance state](#) [Actions](#) [Launch instances](#)

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 D
<input checked="" type="checkbox"/>	webserver	i-0858921053edffea1	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-13-233-2

**Instance: i-0858921053edffea1 (webserver)**

[Details](#) [Security](#) [Networking](#) [Storage](#) [Status checks](#) [Monitoring](#) [Tags](#)

**▼ Instance summary Info**

Instance ID i-0858921053edffea1 (webserver)	Public IPv4 address 13.233.245.19   <a href="#">open address</a>	Private IPv4 addresses 172.31.33.135
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-13-233-245-19.ap-south-1.compute.amazonaws.com   <a href="#">open address</a>
Hostname type IP name: ip-172-31-33-135.ap-south-1.compute.internal	Private IP DNS name (IPv4 only) ip-172-31-33-135.ap-south-1.compute.internal	

### Click to connect option

**Instances (1/1) Info** [Refresh](#) [Connect](#) [Instance state](#) [Actions](#) [Launch instances](#)

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 D
<input checked="" type="checkbox"/>	webserver	i-0858921053edffea1	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-13-233-2

### Select RDP option and download RDP file its optional you can direct

**Session Manager** **RDP client** **EC2 Serial Console**

Instance ID  
i-0858921053edffea1 (webserver)

Connection Type

☒ **Connect using RDP client**  
Download a file to use with your RDP client and retrieve your password.

☐ **Connect using Fleet Manager**  
To connect to the instance using Fleet Manager Remote Desktop, the SSM Agent must be installed and running on the instance. For more information, see [Working with SSM Agent](#)

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:


[Download remote desktop file](#)

## EC2 (Elastic Compute Cloud)


### Click to get password option to connect rdp

When prompted, connect to your instance using the following details:

Public DNS

 ec2-13-233-245-19.ap-south-1.compute.amazonaws.com

User name

 Administrator

Password **Get password**

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

### Click browse to access key

#### Get Windows password [Info](#)


Retrieve and decrypt the initial Windows administrator password for this instance.

To decrypt the password, you will need your key pair for this instance.




**Key pair associated with this instance**  
webserver


Browse to your key pair:

 Browse

### After browse key click decrypt password

Browse to your key pair:

 Browse

 **webserver.pem**  
1.674KB

Or copy and paste the contents of the key pair below:

```
-----BEGIN RSA PRIVATE KEY-----
MIIIEogIBAAKCAQEAhDTdcmW5gGCXks4CSSdCi6bcL7dyEpci5wCCHj//YZXMYu
aUJ/uvPHHm8zCscyXMRRLy9aOX76E1+oXhb5YJ9LYVeMjMtnyquzvtNttZJR23X
5PYm9ilqIRYiFSPOqghVMTgM9x3q8VISCbd4bldkgSejEUUn6Afgpb3qqz4NpwA8
Bax+SJ200I2QG2BpXrLtoxJyF3wAVLqxFOqfvorwe5Sl7/sCfnUDCCFWYNXNbqAU
FvLCZyYv+Ps5GG76osGQdoBf+6Zv+9qh81fFO5etVmFW/WH7EvP5Ynx3z2QaXoq
wNuz49OAXs9JaP0ZYfj/nlhp6vQcDZ4LH1e26QIDAQABaoIBAAtwo6TtpLnnFsal
FKwEniOtDozG7Ymedf6qZAlgHWGdww4THBsZLnJX++f3SVxqZkl+vp/9Kbq1A/pT
-----
```

Cancel

**Decrypt password**

## EC2 (Elastic Compute Cloud)

### See successfully decrypted password

Public DNS

ec2-13-233-245-19.ap-south-1.compute.amazonaws.com

User name

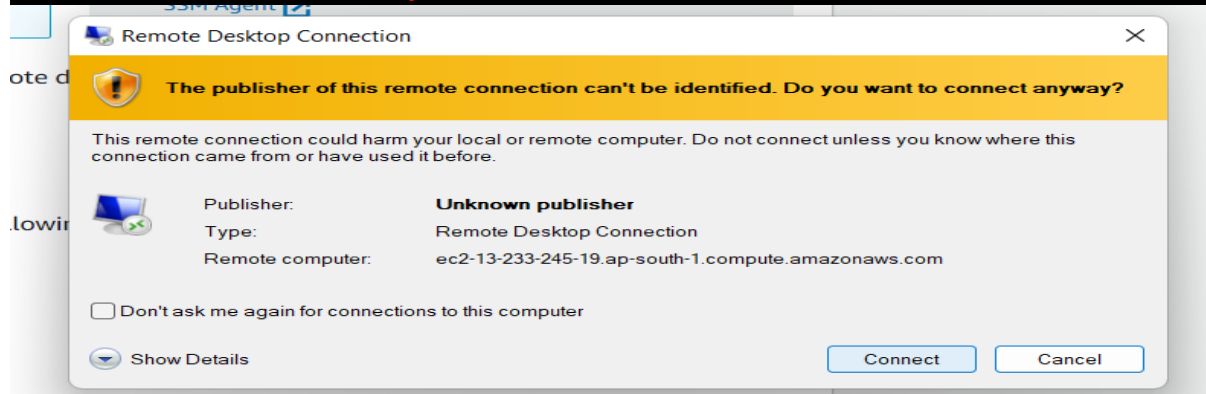
Administrator

Password

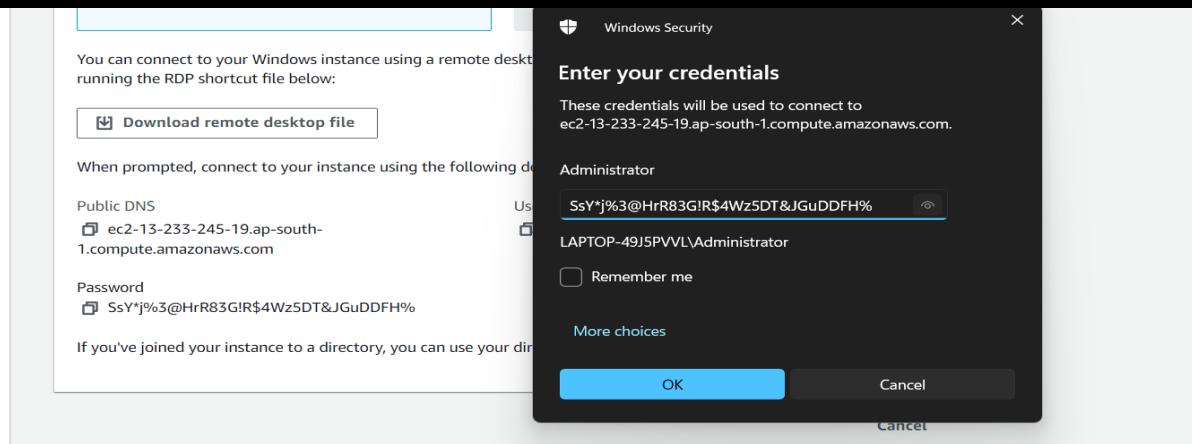
SsY\*j%3@HrR83G!R\$4Wz5DT&JGuDDFH%

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

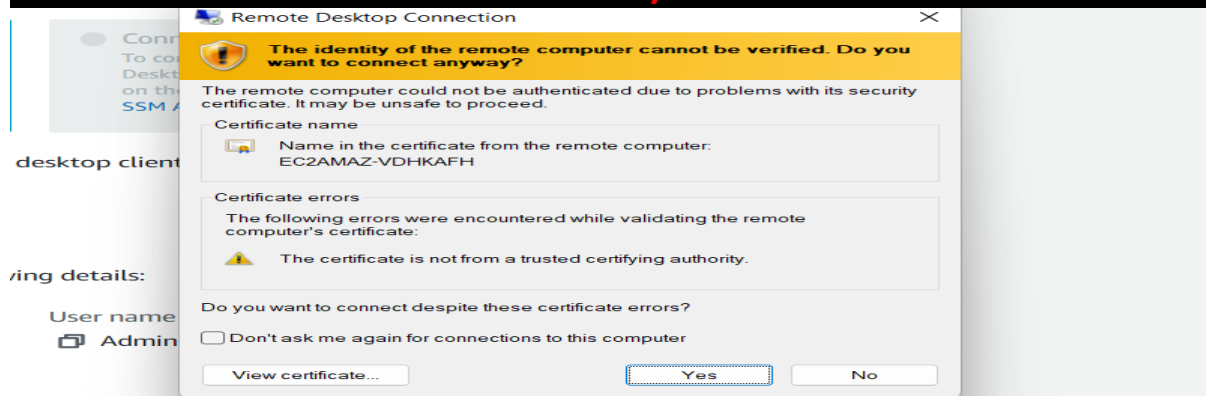
### Open RDP to direct download



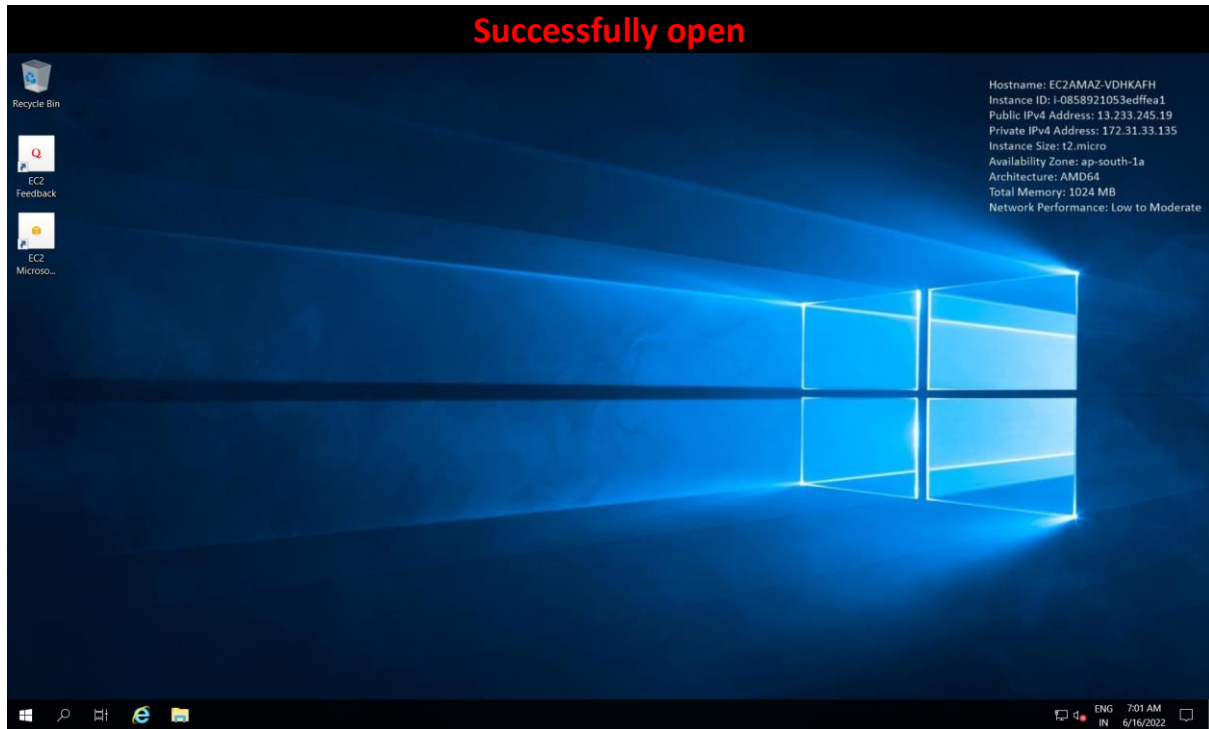
### Insert Password



### Click to yes



## EC2 (Elastic Compute Cloud)



VG

# EC2 (Elastic Compute Cloud)

## Create EC2 instance store by instance store type

Click to launch instance

Create Instance

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

Launch Instance

Note: Your instances will launch in the Asia Pacific (Mumbai) region

Check all most EBS TYPE available

Red Hat Enterprise Linux 7.5 (HVM), SSD Volume Type - ami-5b673c34

Red Hat Red Hat Enterprise Linux version 7.5 (HVM), EBS General Purpose (SSD) Volume Type

Free tier eligible

Root device type: ebs

Virtualization type: hvm

Select

64-bit (x86)

Add filter instance store

Step 1: Choose an Amazon Machine Image (AMI)

Red Hat SUSE Linux Ubuntu Windows

Architecture

32-bit (x86) 64-bit (x86)

Root device type

EBS Instance store

amzn-ami-minimal-hvm-2018.03.0.20181129-x86\_64-s3 - ami-06cd76bb520220b07

Amazon Linux AMI 2018.03.0.20181129 x86\_64 Minimal HVM s3

Root device type: instance-store Virtualization type: hvm

amzn-ami-minimal-hvm-2018.03.0.20180811-x86\_64-s3 - ami-09026acd0550a0b26

Amazon Linux AMI 2018.03.0.20180811 x86\_64 Minimal HVM S3

Root device type: instance-store Virtualization type: hvm

amzn-ami-hvm-2016.09.1.20170119-x86\_64-s3 - ami-09d1a766

Amazon Linux AMI 2016.09.1.20170119 x86\_64 HVM S3

Root device type: instance-store Virtualization type: hvm

amzn-ami-minimal-hvm-2017.09.1.20180103-x86\_64-s3 - ami-0a1f4b65

Select any os

amzn-ami-minimal-hvm-2017.03.rc-1.20170327-x86\_64-s3 - ami-0000736f

Amazon Linux AMI 2017.03.rc-1.20170327 x86\_64 Minimal HVM S3

Root device type: instance-store Virtualization type: hvm

Select

64-bit (x86)

See all T series are not support this type

Step 2: Choose an Instance Type

Memory optimized	r4.2xlarge	8	61	EBS only	Yes	Up to 10 Gigabit	Yes
Memory optimized	r4.4xlarge	16	122	EBS only	Yes	Up to 10 Gigabit	Yes
Memory optimized	r4.8xlarge	32	244	EBS only	Yes	10 Gigabit	Yes
Memory optimized	r4.16xlarge	64	488	EBS only	Yes	25 Gigabit	Yes
Memory optimized	r3.large	2	15	1 x 32 (SSD)	-	Moderate	Yes
Memory optimized	r3.xlarge	4	30.5	1 x 80 (SSD)	Yes	Moderate	Yes
Memory optimized	r3.2xlarge	8	61	1 x 160 (SSD)	Yes	High	Yes
Memory optimized	r3.4xlarge	16	122	1 x 320 (SSD)	Yes	High	Yes
Memory optimized	r3.8xlarge	32	244	2 x 320 (SSD)	-	10 Gigabit	Yes

Cancel Previous Review and Launch Next: Configure Instance Details



## EC2 (Elastic Compute Cloud)

### By default, storage getting

#### Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional instance store volumes to your instance. 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 ⓘ	Encrypted ⓘ
Instance Store 0	/dev/sdb	N/A	32	SSD	N/A	N/A	N/A	Not Encrypted

### Same above steps and create EC2

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm State
Instance Store	i-00e761c813350b499	r3.large	ap-south-1b	running	Initializing	None

### WE can not click start and stop to EC2

Filter by tags and attributes or search

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm State
Instance Store	i-00e761c813350b499	r3.large	ap-south-1b	running	Initializing	None
	i-0ed5d70...			terminated		

Instance: i-00e761c813350b499 (Instance Store) Public DNS: ec2-13-233-118-247.ap-south-1.comp