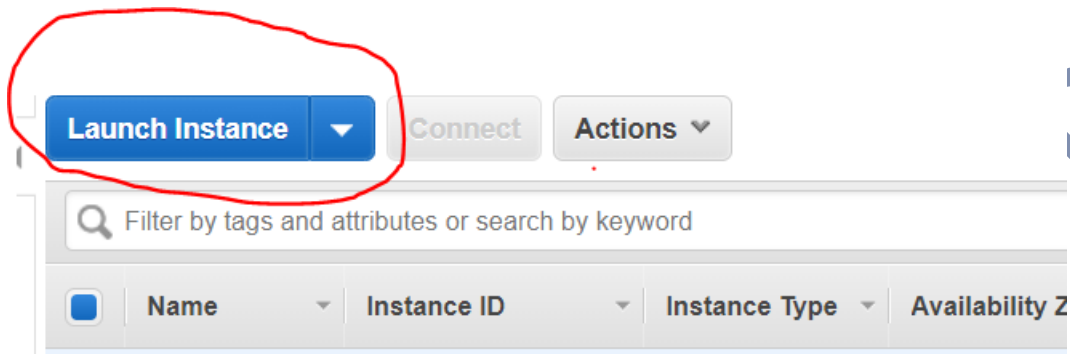


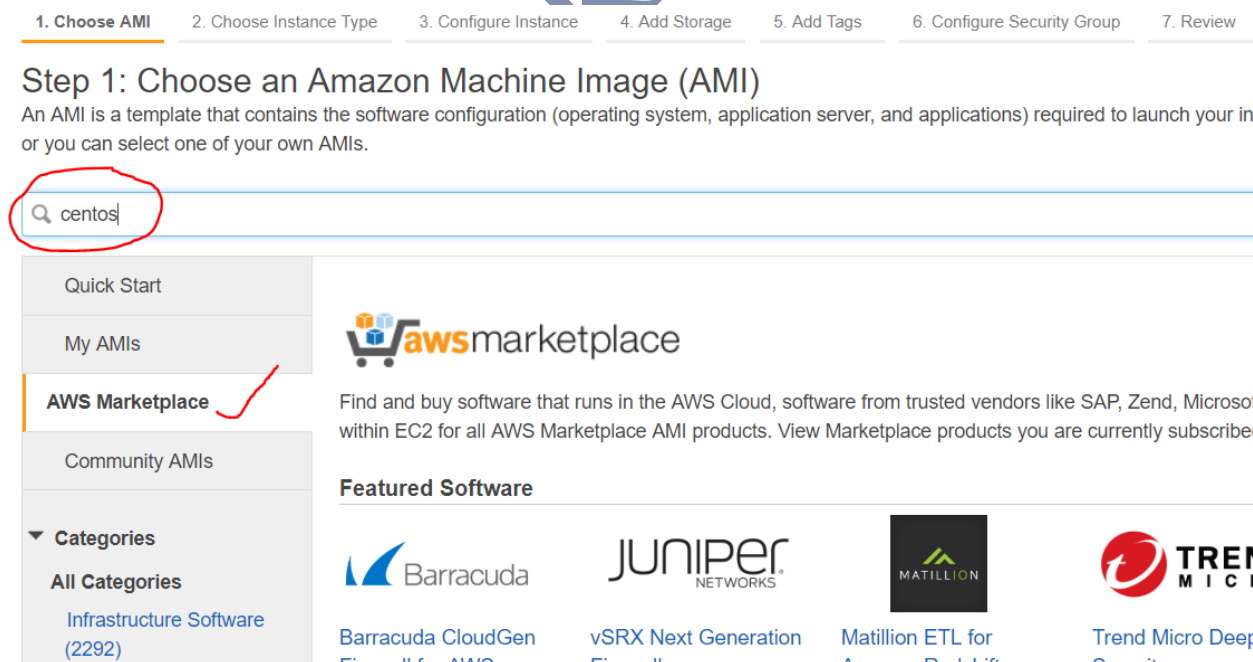
# AWS Launch Instance Documented by Praveen

## 1. Select Launch instance



## 2. Choose amazon machine image(AMI)

- a. Select marketplace
- b. enter centos



2

Q centos

Quick Start (0)

My AMIs (0)

AWS Marketplace (75)

Community AMIs (769)

Categories

All Categories

CentOS

CentOS 7 (x86\_64) - with Updates HVM

★★★★★ (59) | 1805\_01 Previous versions | By CentOS.org

\$0.00/hr for software + AWS usage fees

Linux/Unix, CentOS 7 | 64-bit Amazon Machine Image (AMI) | Updated: 6/13/18

This is the Official CentOS 7 x86\_64 HVM image that has been built with a minimal profile, suitable for use in HVM instance types only. The image contains just enough packages to ...

More info

Free tier eligible

1 to 25 of 75 Products

Select

### 3. Check details and click continue

#### Highlights

- All official CentOS Linux images are built with SELINUX set to enforcing mode. However, we test the images with both Selinux enabled as well as permissive.
- Starting with CentOS-7 we now include cloud-init support in all CentOS

M5D 12 Extra Large	\$0.00	\$2.712	\$2.712/hr
M4 Quadruple Extra Large	\$0.00	\$0.80	\$0.80/hr
M5 12 Extra Large	\$0.00	\$2.304	\$2.304/hr
T3 Large	\$0.00	\$0.083	\$0.083/hr
C4 Large	\$0.00	\$0.10	\$0.10/hr
C5D Double Extra Large	\$0.00	\$0.284	\$0.284/hr

Cancel Continue

require additional memory, caching fleets, and for running backend servers for SAP, Microsoft SharePoint, and other enterprise applications.

					Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t3.nano	2	0.5	EBS only	Yes	Up to 5 Gigaabit	Yes

Cancel Previous Review and Launch Next: Configure Instance Details

### 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-557d563d (default) Create new VPC

Subnet No preference (default subnet in any Availability Zone) 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

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 Additional charges will apply for dedicated tenancy.

Cancel Previous Review and Launch Next: Add Storage

## 4. Add Storage (Select Delete on Termination)

### 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 ⓘ	Encrypted ⓘ
Root	/dev/sda1	snap-00e11a60289c20cab	8	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/> 1	Not Encrypted

[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](#) 2

## 5. Add Tags

### 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. [Learn more](#)

Key (127 characters maximum)	Value (255 characters maximum)
------------------------------	--------------------------------

*This resource currently has no tags*

Choose the Add tag button or [click to add a Name tag](#).  
Make sure your [IAM policy](#) includes permissions to create tags.

[Add Tag](#) ✓ (Up to 50 tags maximum)

### 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. [Learn more](#) about tagging your Amazon EC2 resources.

Key (127 characters maximum)	Value (255 characters maximum)
<input type="text"/>	<input type="text"/>

[Add another tag](#) (Up to 50 tags maximum)

### 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. [Learn more](#) about tagging your Amazon EC2 resources.

Key (127 characters maximum)	Value (255 characters maximum)
mytag 1	project 2

[Add another tag](#) (Up to 50 tags maximum)

## 6. Configure Security Groups

### Two options

- Create a new security group
- Select existing security Group

#### 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

Security group name: CentOS 7 -x86\_64- - with Updates HVM-1805\_01-AulogenByAWSMP-

Description: This security group was generated by AWS Marketplace and is based on recom

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop

Add Rule

#### 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

Security group name: project-SG

Description: project

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	My IP 123.201.77.16/32	e.g. SSH for Admin Desktop

Add Rule

## 7. Review 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.

##### AMI Details

 **CentOS 7 (x86\_64) - with Updates HVM**  
CentOS Linux 7 x86\_64 HVM EBS ENA 1805\_01  
Free tier eligible Root Device Type: ebs Virtualization type: hvm

**Hourly Software Fees:** \$0.00 per hour on t2.micro Instance (Additional taxes may apply.)

Software charges will begin once you launch this AMI and continue until you terminate the instance.

By launching this product, you will be subscribed to this software and agree that your use of this software is subject to the pricing terms and the seller's End User License Agreement

##### Instance Type

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

##### Security Groups

Security group name: project-SG  
Description: project

Cancel Previous **Launch**

## 8. Create a Key Pair

### 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](#).

Create a new key pair

Key pair name

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

Launch Instances

### 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](#).

Create a new key pair

Key pair name

praveen

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

Launch Instances

## 9. Launch Status

### Launch Status

#### ✓ Your instances are now launching

The following instance launches have been initiated: i-07696ce3b0de1b0f0 [View launch log](#)

#### 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).

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](#)

## 10. Check Instance and its configurations

Launch Instance

Connect

Actions

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs
	i-07696ce3b0de1b0f0	t2.micro	us-east-2c	running	Initializing	None	ec2-18-223-123-55.us-...	18.223.123.55	-
	i-08bd72344633477...	t2.micro	us-east-2b	terminated		None			

Launch Instance

Connect

Actions

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP
project	i-07696ce3b0de1b0f0	t2.micro	us-east-2c	running	2/2 checks ...	None	ec2-18-223-123-55.us-...	18.223.123.55
	i-08bd72344633477...	t2.micro	us-east-2b	terminated		None		

Description

Status Checks

Monitoring

Tags

Usage Instructions

Instance ID	i-07696ce3b0de1b0f0	Public DNS (IPv4)	ec2-18-223-123-55.us-east-2.compute.amazonaws.com
Instance state	running	IPv4 Public IP	18.223.123.55
Instance type	t2.micro	IPv6 IPs	-
Elastic IPs		Private DNS	ip-172-31-42-244.us-east-2.compute.internal
Availability zone	us-east-2c	Private IPs	172.31.42.244
Security groups	project-SG, view inbound rules, view outbound rules	Secondary private IPs	
Scheduled events	No scheduled events	VPC ID	vpc-557d563d
AMI ID	CentOS Linux 7 x86_64 HVM EBS ENA 1805_01-b7ee8a69-ee97-4a49-9e68-afae216db2e-ami-77ec9308.4 (ami-9c0638f9)	Subnet ID	subnet-587e8d14
Platform	-	Network interfaces	eth0
IAM role	-	Source/dest. check	True
Key pair name	praveen	T2/T3 Unlimited	Disabled
Owner	375974699648	EBS-optimized	False
Launch time	October 26, 2018 at 11:12:54 AM UTC+5:30 (less than one hour)	Root device type	ebs

## 11. Connect To Your Instance

Launch Instance ▾

**Connect**

Actions ▾

Filter by tags and attributes or search by keyword

<input type="checkbox"/>	Name ▾	Instance ID ▾	Instance Type ▾	Availability Zone ▾	Instance State ▴	Status Check ▴
<input checked="" type="checkbox"/>	project	i-07696ce3b0de1b0f0	t2.micro	us-east-2c	<span>●</span> running	<span>✓</span> 2/2 checks passed
<input type="checkbox"/>		i-08bd72344633477...	t2.micro	us-east-2b	<span>●</span> terminated	

### Connect To Your Instance

×

I would like to connect with

☒ A standalone SSH client ⓘ

☐ A Java SSH Client directly from my browser (Java required) ⓘ

To access your instance:

1. Open an SSH client. (find out how to [connect using PuTTY](#))

2. Locate your private key file (praveen.pem). The wizard automatically detects the key you used to launch the instance.

3. Your key must not be publicly viewable for SSH to work. Use this command if needed:  

```
chmod 400 praveen.pem
```

4. Connect to your instance using its Public DNS:  

```
ec2-18-223-123-55.us-east-2.compute.amazonaws.com
```

Example:

✓ 1

```
ssh -i "praveen.pem" root@ec2-18-223-123-55.us-east-2.compute.amazonaws.com
```

✓ 2

Please note that in most cases the username above will be correct, however please ensure that you read your AMI usage instructions to ensure that the AMI owner has not changed the default AMI username.

If you need any assistance connecting to your instance, please see our [connection documentation](#).

Close