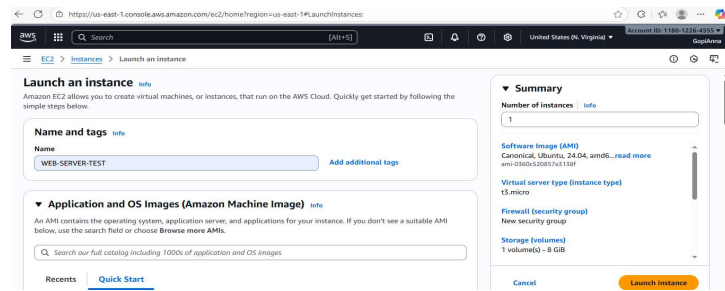


## AWS EC2 Instance Creation

Login as IAM user

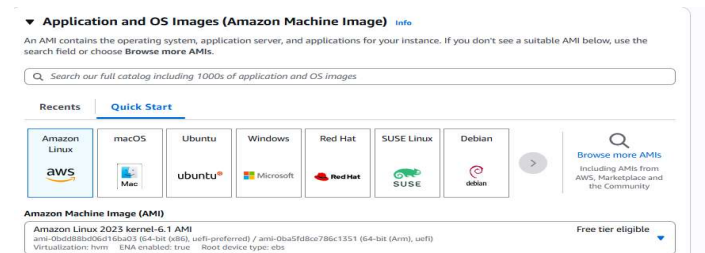
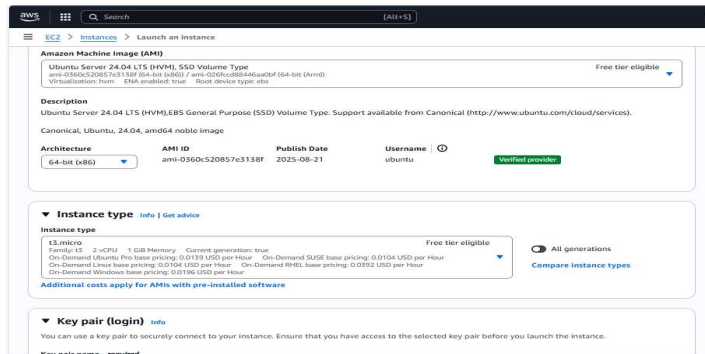
Navigate to EC2 Instance => Launch an Instance

Name and tags => WEB-SERVER-TEST



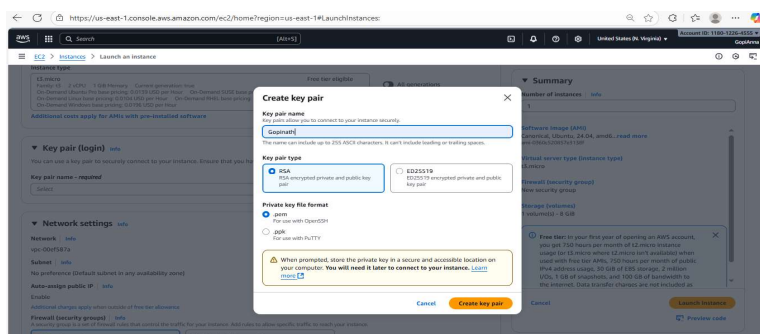
Select image => Application and OS Images (Amazon Machine Image)

Ubuntu server



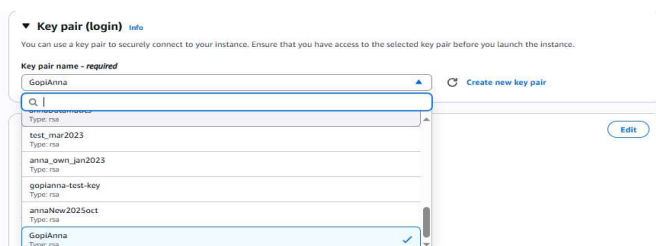
Key pair => create new key pair as follow

create pem



pem automatically download, file permission should be 400

here we are using existing keypair



Network settings

info

VPC - required

info

vpcc-0dccc295155eab4ca (anna1\_vpc)

172.21.0.0/16

Subnet

info

subnet-0d5095dfe0cbf1f7 public\_subnet\_vpc1

vpcc-0dccc295155eab4ca Owner: 11801284553 Availability Zone: us-east-1a (us-east-1a)

Zone type: Available Zone IP address available: 250 CIDR: 172.21.1.0/24

Auto-assign public IP

info

Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups)

info

The 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

Common security groups

info

Select security groups

CentOS 7 (x86\_64) - with Updates HVM-CentOS-7.2009-2020825-1-AutogenityAWSPM-1

sg-00090239f29b9c2f

Compare security group rules

Security groups that you add or remove here will be added to or removed from all network interfaces.

VPC creation or go with existing

▼

Network settings

info

VPC

required

info

vpc-0ddee295155cab4ca (anna1\_vpc)

172.17.0.0/16

⌵

🔗

Subnet

info

subnet-d5095ddcf0c8f1f7

public\_subnet\_vpc1

VPC: vpc-0ddee295155cab4ca Owner: 118013264555 Availability Zone: us-east-1 (us-east-1a) Zone type: Availability Zone IP addresses available: 251 CIDR: 172.17.1.0/24

🔗 Create new subnet

Auto-assign public IP

info

Disable

⌵

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

Common security groups

info

Select security groups

⌵

CentOS 7 (p86\_64) - with Updates HVM-CentOS-7.2009-20220825.1-AutogенBWP-AWS-m1 sg-00902239b259f9c2f

✕

🔗 Compare security group rules

Security groups that you add or remove here will be added to or removed from all your network interfaces.

▼ Configure storage info

1x 

1

GB

gp3

 Root volume, 3000 IOPS, Not encrypted

ⓘ

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

Add new volume

ⓘ

 Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

ⓘ

 Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems

ⓘ

 Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems

CentOS 7 (x86\_64) - with Updates HVM-CentOS-7.2009-20220825.1-Autogami/jAWSMP-1

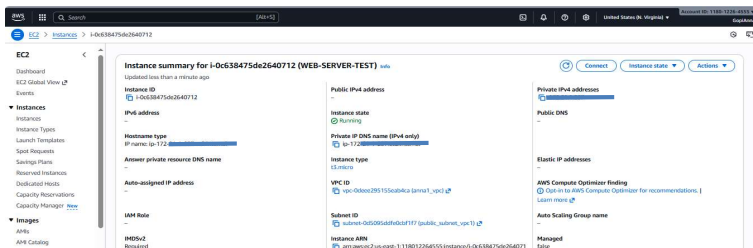
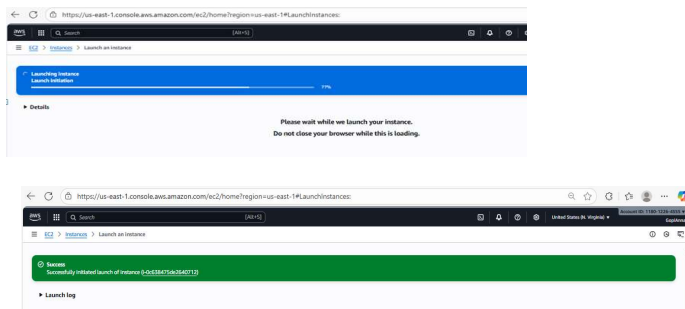
Storage (volumes)

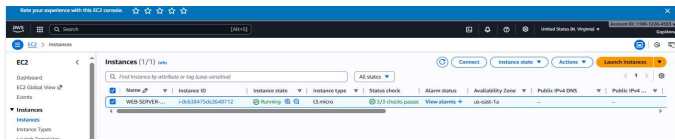
1 volume(s) - 8 GiB

Cancel

Launch instance

Preview code





OS in EC2	Default SSH username
Ubuntu	ubuntu
Amazon Linux	ec2-user
RHEL	ec2-user
CentOS	centos
	admin or
Debian	debian

```
root@ip-172-31-1-101:~# ssh -i /home/ubuntu/.ssh/ubuntu.pem ubuntu@172.31.1.101
The authenticity of host '172.31.1.101 (172.31.1.101)' can't be established.
ECDSA key fingerprint is SHA256:0000000000000000000000000000000000000000.
This host key is known by the following other name(s)/address(es):
  * 172.31.1.101 (172.31.1.101)
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '172.31.1.101' (ECDSA) to the list of known hosts.
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-101-aws amd64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://finisar.com
 * Support:        https://ubuntu.com/support
System information as of Tue Oct 28 03:18:10 UTC 2025

System load: 0.0          Temperature: -279.1 C
Usage of /: 28.7% of 4.71GB
Mem usage: 234K           Swap: 0K
CPU: 0%
Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run apt-get update
```

```
ubuntu@ip-172-31-1-101:~$ ll
total 28
drwxr-xr-x 4 ubuntu ubuntu 4096 Oct 28 03:18 ./
drwxr-xr-x 3 root root 4096 Oct 28 03:18 ../
-rw-r--r-- 1 ubuntu ubuntu 220 Mar 31 2024 .bash_logout
-rw-r--r-- 1 ubuntu ubuntu 3773 Mar 31 2024 .bashrc
drwxr-xr-x 2 ubuntu ubuntu 4096 Oct 28 03:18 .cache/
-rw-r--r-- 1 ubuntu ubuntu 807 Mar 31 2024 .profile
drwxr-xr-x 2 ubuntu ubuntu 4096 Oct 28 03:18 .ssh/
ubuntu@ip-172-31-1-101:~$ ifconfig
ifconfig: ioctl(SIOCGIFCONF): Operation not supported
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UP
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefix
        valid_lft forever preferred_lft forever
2: ens4: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 9001 qdisc mq
    link/ether 08:00:27:00:12:34 brd ff:ff:ff:ff:ff:ff
    inet 172.31.1.101/24 scope global ens4
        valid_lft forever preferred_lft 2880sec
    inet6 fe80::c0:1:1:1:1:1:1:1/64 scope link
        valid_lft forever preferred_lft forever
ubuntu@ip-172-31-1-101:~$
```

