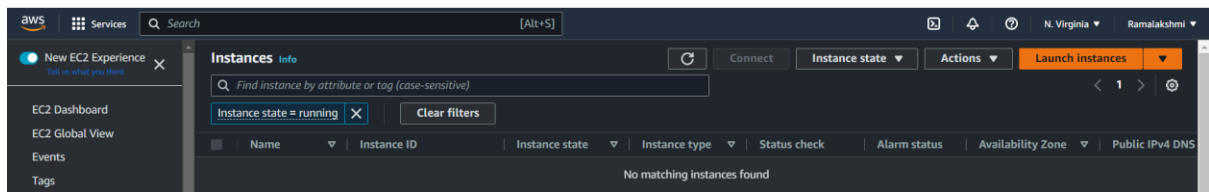
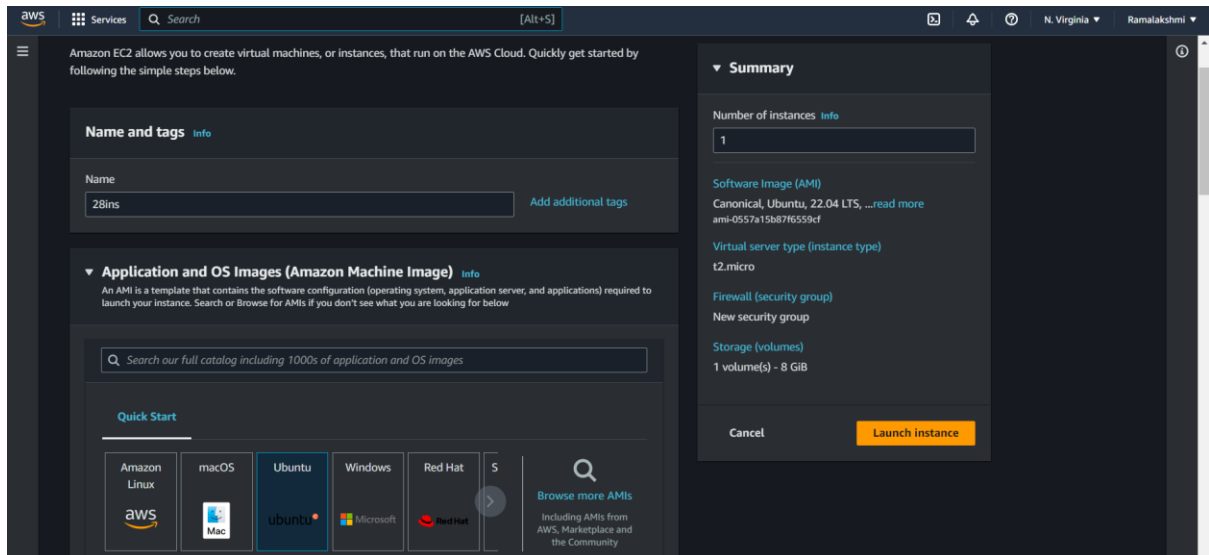


Creating an ec2 instance



Choosing ubuntu AMI



Creating a keypair

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

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

Key pair type

☒ RSA
RSA encrypted private and public key pair

☐ ED25519
ED25519 encrypted private and public key pair (Not supported for Windows instances)

Private key file format

☒ .pem
For use with OpenSSH

☐ .ppk
For use with PuTTY

Cancel Create key pair

aws

Services

Search

[Alt+S]

N. Virginia

Ramalakshmi

▼ Instance type Info

Instance type

t2.micro Free tier eligible

Family: t2 1 vCPU 1 GiB Memory

On-Demand Windows pricing: 0.0162 USD per Hour

On-Demand SUSE pricing: 0.0116 USD per Hour

On-Demand RHEL pricing: 0.0716 USD per Hour

On-Demand Linux pricing: 0.0116 USD per Hour

Compare instance types

▼ 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

assin28

Create new key pair

▼ Summary

Number of instances Info

1

Software Image (AMI)

Canonical, Ubuntu, 22.04 LTS, ...read more

ami-0557a15b876559cf

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Network-settings namely- vpc , subnet..

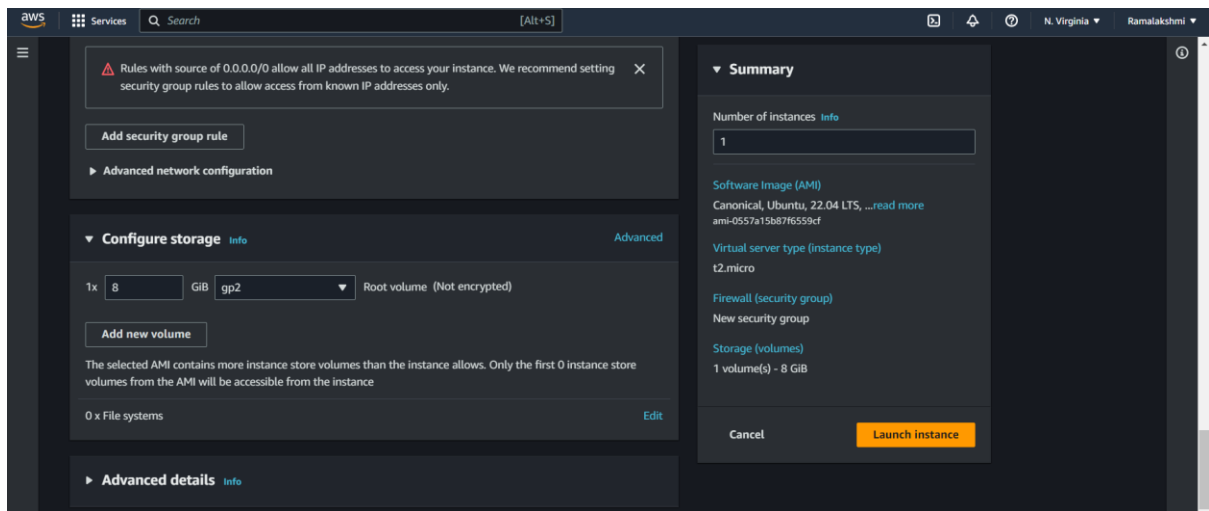
The screenshot shows the 'Network settings' section of the AWS console. It includes a 'VPC - required' dropdown set to 'vpc-0f60644e96f3eac7' (default), a 'Subnet' dropdown set to 'subnet-06858c62e4de11bfe', and an 'Auto-assign public IP' dropdown set to 'Enable'. A 'Summary' panel on the right shows 'Number of instances' as 1, 'Software Image (AMI)' as 'Canonical, Ubuntu, 22.04 LTS', and 'Virtual server type (instance type)' as 't2.micro'.

Security group creation

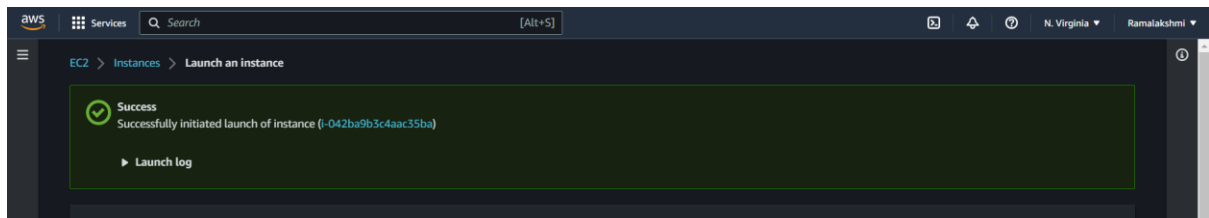
The screenshot shows the 'Firewall (security groups)' page. The 'Create security group' radio button is selected. The 'Security group name' is '28assin'. The 'Description' is 'launch-wizard-21 created 2023-03-02T13:37:38.999Z'. Under 'Inbound security groups rules', 'Security group rule 1 (TCP, 22, 0.0.0.0/0)' is configured with 'Type' as 'ssh', 'Protocol' as 'TCP', 'Port range' as '22', 'Source type' as 'Anywhere', and 'Source' as '0.0.0.0/0'. A 'Summary' panel on the right shows the instance configuration and a 'Launch instance' button.

This screenshot shows the same 'Firewall (security groups)' page with two additional rules. 'Security group rule 2 (TCP, 80, 0.0.0.0/0)' is configured with 'Type' as 'HTTP', 'Protocol' as 'TCP', 'Port range' as '80', 'Source type' as 'Anywhere', and 'Source' as '0.0.0.0/0'. 'Security group rule 3 (TCP, 443, 0.0.0.0/0)' is configured with 'Type' as 'HTTPS', 'Protocol' as 'TCP', 'Port range' as '443', 'Source type' as 'Anywhere', and 'Source' as '0.0.0.0/0'. A warning message at the bottom states: '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.' The 'Launch instance' button is visible in the summary panel.

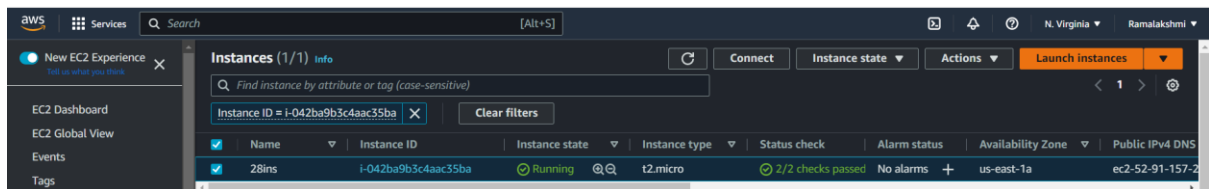
Click on launch instance to launch our ec2 instance...



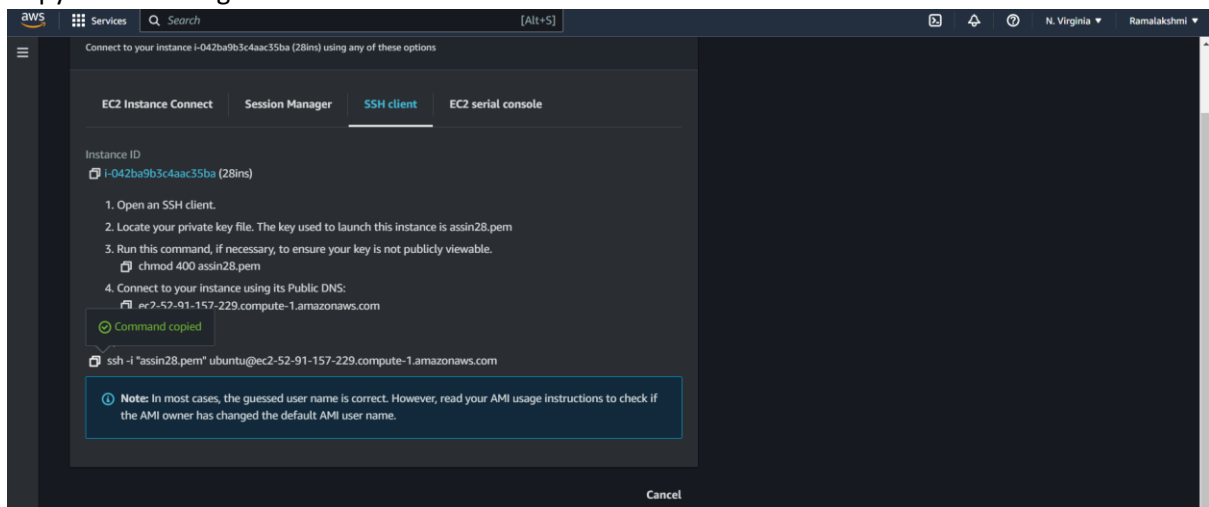
Instance created



Click on connect



Copy the following ssh id as shown below



Open command prompt and

Change to downloads using ->cd downloads

Copy paste id

```
C:\Users\RAMALAKSHMI>cd downloads

C:\Users\RAMALAKSHMI\Downloads>ssh -i "assin28.pem" ubuntu@ec2-52-91-157-229.compute-1.amazonaws.com
The authenticity of host 'ec2-52-91-157-229.compute-1.amazonaws.com (52.91.157.229)' can't be established.
ED25519 key fingerprint is SHA256:GNdEHLlWdBm0BcN7YFPISkAAE6PURkQE38L9wFnCeg.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added 'ec2-52-91-157-229.compute-1.amazonaws.com' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1028-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Thu Mar  2 13:48:01 UTC 2023

System load:  0.00244140625      Processes:            105
Usage of /:   19.8% of 7.57GB     Users logged in:      0
Memory usage: 19%                IPv4 address for eth0: 172.31.40.117
Swap usage:   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: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
```

Run command ->sudo apt update

```
ubuntu@ip-172-31-40-117:~$ sudo apt update
Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [107 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [680 kB]
Get:7 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [139 kB]
Get:8 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [8524 B]
Get:9 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [637 kB]
Get:10 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [99.7 kB]
Get:11 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [696 kB]
Get:12 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [111 kB]
Get:13 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [13.4 kB]
Get:14 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [4960 B]
Get:15 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [996 B]
Get:16 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [240 B]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [938 kB]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [203 kB]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [13.6 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [680 kB]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [106 kB]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [584 B]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [874 kB]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [171 kB]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [17.8 kB]
Get:31 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [9692 B]
Get:32 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [3260 B]
Get:33 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [444 B]
Get:34 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [40.7 kB]
Get:35 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [9800 B]
Get:36 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 c-n-f Metadata [392 B]
Get:37 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 c-n-f Metadata [116 B]
Get:38 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [19.5 kB]
Get:39 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [14.0 kB]
```

```
Get:40 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [392 B]
Get:41 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
Fetched 26.2 MB in 5s (5625 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
36 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-40-117:~$ |
```