

▼ 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*

Select



[Create new key pair](#)

Create key pair



Key pair name

Key pairs allow you to connect to your instance securely.

Linux-Key

The name can include up to 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

Private key file format



.pem

For use with OpenSSH



.ppk

For use with PuTTY



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](#)

[Cancel](#)

Create key pair

▼ Network settings [Info](#)

Network [Info](#)

vpc-0ecf1ace11d69281

Subnet [Info](#)

No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)

Enable

Additional charges apply when outside of free tier allowance

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

We'll create a new security group called 'launch-wizard-2' with the following rules:



Allow SSH traffic from

Helps you connect to your instance

Anywhere



Allow HTTPS traffic from the internet

To set up an endpoint, for example when creating a web server



Allow HTTP traffic from the internet

To set up an endpoint, for example when creating a web server



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.

[Edit](#)

▼ Summary

Number of instances [Info](#)

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.6.2...[read more](#)
ami-0c614dee691cbbf57

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

[Cancel](#)

Launch instance

[Preview code](#)

🔍 What would you like to do next with this instance, for ex

To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.

Once your instance is running, log into it from your local computer.

Configure the connection between an EC2 instance and a database to allow traffic flow between them.

Create a policy that automates the creation, retention, and deletion of EBS snapshots


ec2-3-88-130-123.compute-1.amazonaws.com | [open address](#)



Connect to instance [Info](#)

Connect to your instance i-02f4f1c67aa0b5fe7 (2211CS010547-Linux) using any of these options


EC2 Instance Connect Session Manager **SSH client** EC2 serial console


Instance ID

 i-02f4f1c67aa0b5fe7 (2211CS010547-Linux)

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is Linux-Key.pem
3. Run this command, if necessary, to ensure your key is not publicly viewable.
 `chmod 400 "Linux-Key.pem"`
4. Connect to your instance using its Public DNS:
 `ec2-3-88-130-123.compute-1.amazonaws.com`

Example:

 `ssh -i "Linux-Key.pem" ec2-user@ec2-3-88-130-123.compute-1.amazonaws.com`

 **Note:** In most cases, the guessed username is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

[Cancel](#)

```
C:\Windows\System32\cmd.e  X  +  v
Microsoft Windows [Version 10.0.26100.3837]
(c) Microsoft Corporation. All rights reserved.

C:\Engineering Third Year\Semester 6\Cloud Computing\2211CS010547>ssh -i "Linux-Key.pem" ec2-user@ec2-3-88-130-123.compute-1.amazonaws.com
The authenticity of host 'ec2-3-88-130-123.compute-1.amazonaws.com (3.88.130.123)' can't be established.
ED25519 key fingerprint is SHA256:YLQy+9HRgsvE9MKDLd+tP8nUL6yHj0J1Stgt22wFIL4.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes|
```

```
~\  #####      Amazon Linux 2023
~~ \#####\
~~  \#####|
~~   \#/      https://aws.amazon.com/linux/amazon-linux-2023
~~    V~' ' ->
~~
~~
~~
~~
~~
[ec2-user@ip-172-31-89-200 ~]$
```

```
~\  #####      Amazon Linux 2023
~~ \#####\
~~  \#####|
~~   \#/      https://aws.amazon.com/linux/amazon-linux-2023
~~    V~' ' ->
~~
~~
~~
~~
~~
Last login: Fri Jan 31 05:52:25 2025 from 18.206.107.27
[ec2-user@ip-172-31-89-200 ~]$ uname
Linux
[ec2-user@ip-172-31-89-200 ~]$ ls
[ec2-user@ip-172-31-89-200 ~]$ df
Filesystem      1K-blocks    Used Available Use% Mounted on
devtmpfs         4096          0      4096   0% /dev
tmpfs            486128        0    486128   0% /dev/shm
tmpfs            194452        448    194004   1% /run
/dev/xvda1      8310764 1627780    6682984  20% /
tmpfs            486132        0    486132   0% /tmp
/dev/xvda128    10202        1310     8892  13% /boot/efi
tmpfs            97224         0     97224   0% /run/user/1000
[ec2-user@ip-172-31-89-200 ~]$ echo "Name:Subhapreet Patro | Roll No.: 2211CS010547 | Group: 3"
Name:Subhapreet Patro | Roll No.: 2211CS010547 | Group: 3
[ec2-user@ip-172-31-89-200 ~]$ cal
      January 2025
Su Mo Tu We Th Fr Sa
                1  2  3  4
 5  6  7  8  9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31
[ec2-user@ip-172-31-89-200 ~]$
```