

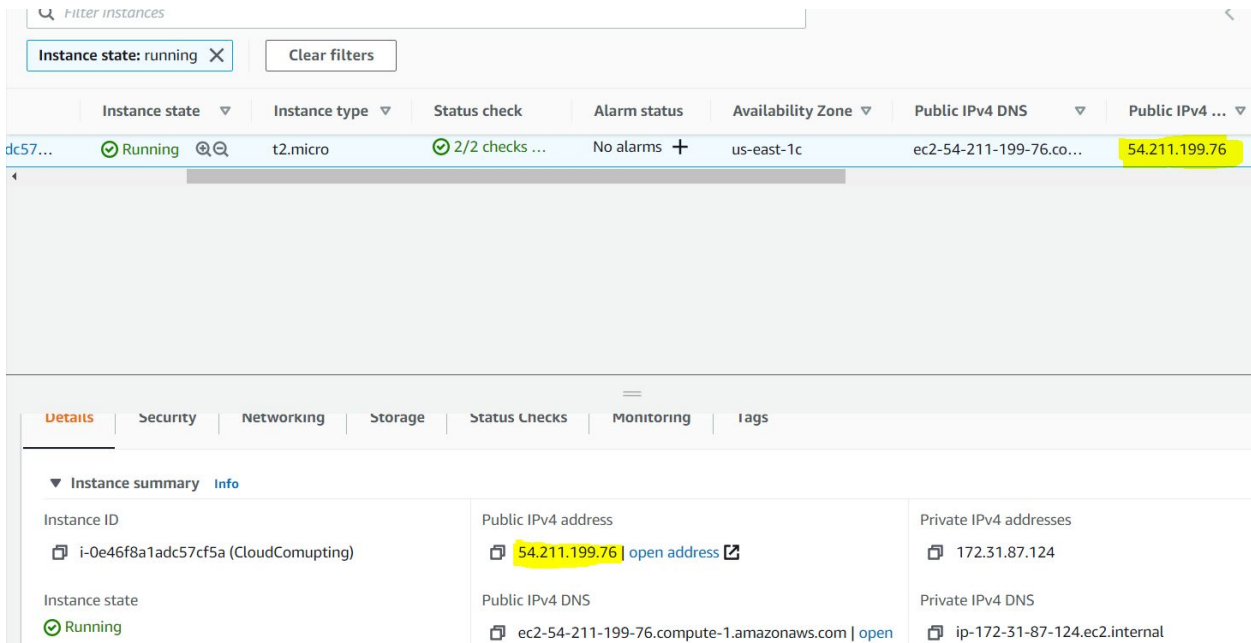
## For Linux/Mac OS users to connect to the EC2 Instance

### Prerequisite:

- Make sure you have set up MyIP in your instance's inbound security group.

For Linux/Mac systems, **you don't need to convert your .pem file to a .ppk file.**

1. Now, open your EC2 dashboard and select your instance. Copy your **'Public IPv4 address'** information as shown in the screenshot.



The screenshot displays the AWS Management Console interface. At the top, there's a search bar and a filter for 'Instance state: running'. Below this is a table of EC2 instances. The first instance, 'dc57...', is highlighted. Its details are shown in the 'Details' tab below the table. The 'Public IPv4 address' is '54.211.199.76', which is highlighted in yellow. Other details include the Instance ID 'i-0e46f8a1adc57cf5a', Instance state 'Running', Public IPv4 DNS 'ec2-54-211-199-76.compute-1.amazonaws.com', and Private IPv4 addresses '172.31.87.124'.

2. Open **'Terminal'** on your system and go to the location where you downloaded the .pem file.
  - Let's say that your **.pem** file was downloaded in the 'Downloads' folder.
  - You need to first change your current working directory to the 'Downloads' directory.
  - To do that, use the following **'cd'** command: `cd Downloads/`
3. Next, run the **'ls'** command, which lists all the files in a given Linux directory. Verify that your .pem file exists in the given directory.
4. Change the permissions of the **.pem** file to **400**, which gives the user read permission and removes all other permissions.

The command is shown below. (**upgrad-siben.pem** is the filename in our case)

```
chmod 400 upgrad-siben.pem
```

In case you have not changed your directory to which the **.pem** file was downloaded, you can specify the path of the **.pem** file. The command will then be as shown below:

```
chmod 400 Downloads/upgrad-siben.pem
```

After **chmod 400** you need to specify the path to the **.pem** file.

5. Next, if you are working from the directory in which you have downloaded the **.pem** file, you need to enter the following command:

```
ssh -i ec2-user@public_dns_name upgrad-siben.pem
```

- Replace the **public\_dns\_name** with your instances Public IPv4 address.
- Also, before running this command, ensure that you are present in the directory in which your **.pem** file is present.

If have not changed your directory to the directory where the **.pem** file is present then you can enter the following command to login:

```
ssh -i ec2-user@public_dns_name <path to your .pem file>
```

- Replace the **public\_dns\_name** with your instances Public IPv4 address.
- Also, the value **<path to your .pem file>** will depend on the location where you have saved this file.

6. When prompted enter **yes** on the **Terminal**.

```
~ 🐙 ssh ec2-user@34.229.137.45 -i Downloads/upgrad-siben.pem
The authenticity of host '34.229.137.45 (34.229.137.45)' can't be established.
ECDSA key fingerprint is SHA256:TwHvhYvzRkAEX4kHhUp5dbRnp9hgE5RAs9M9nGXgzBo.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '34.229.137.45' (ECDSA) to the list of known hosts.
█
```