

**Cloud Server Project  
&  
Video Explainer**

***ICT171 Assignment 2***

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# GitHub Repository Link

<https://github.com/NEELLACHWANI/ICT171>

# Server Link

<http://3.27.234.91/>

# Instance Server Launch

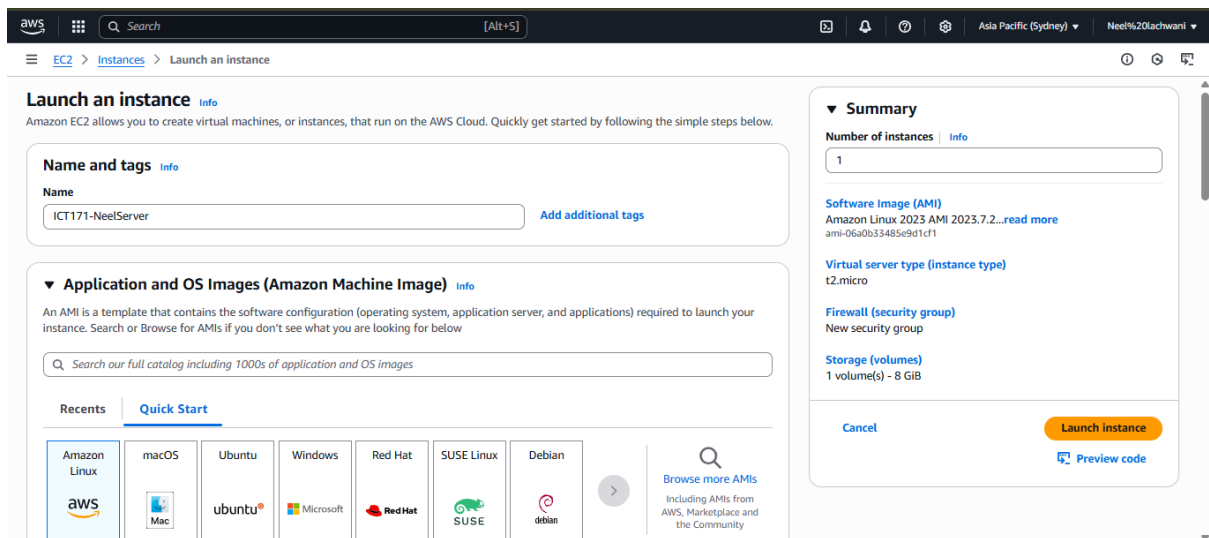


Figure 1: Instance configurations

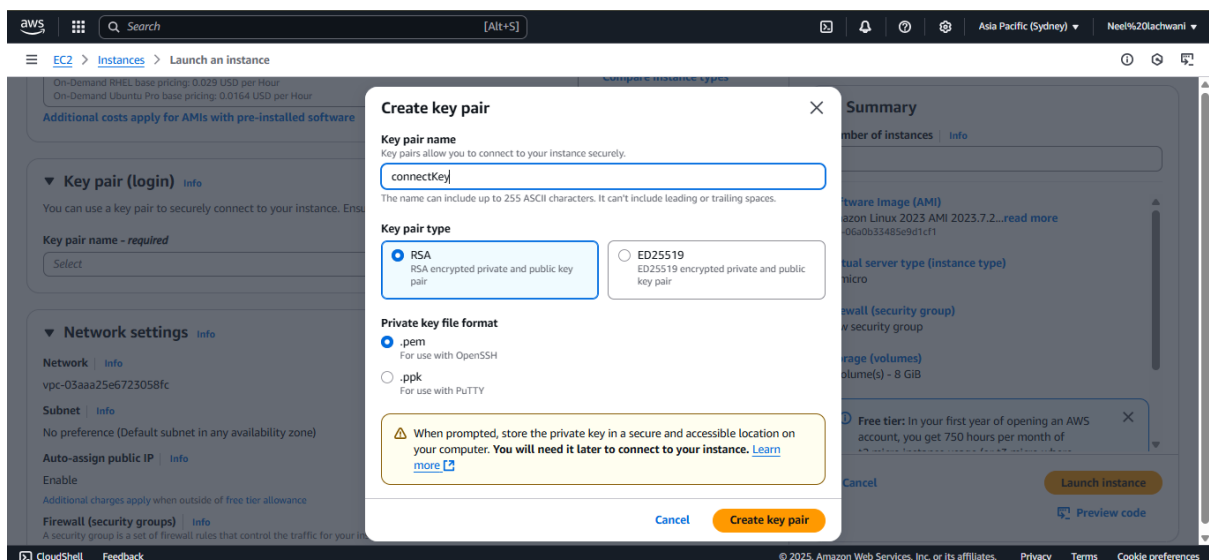


Figure 2: Key pair generation

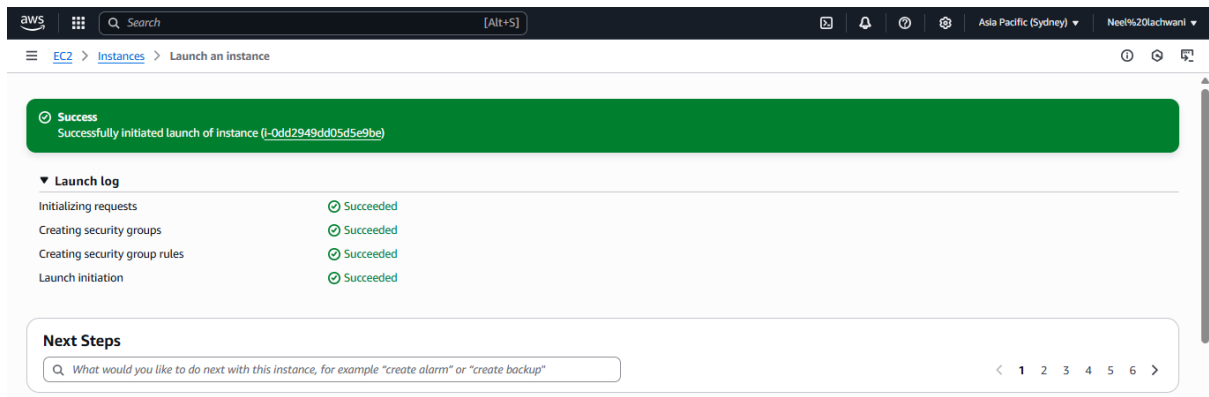


Figure 3: Instance launched

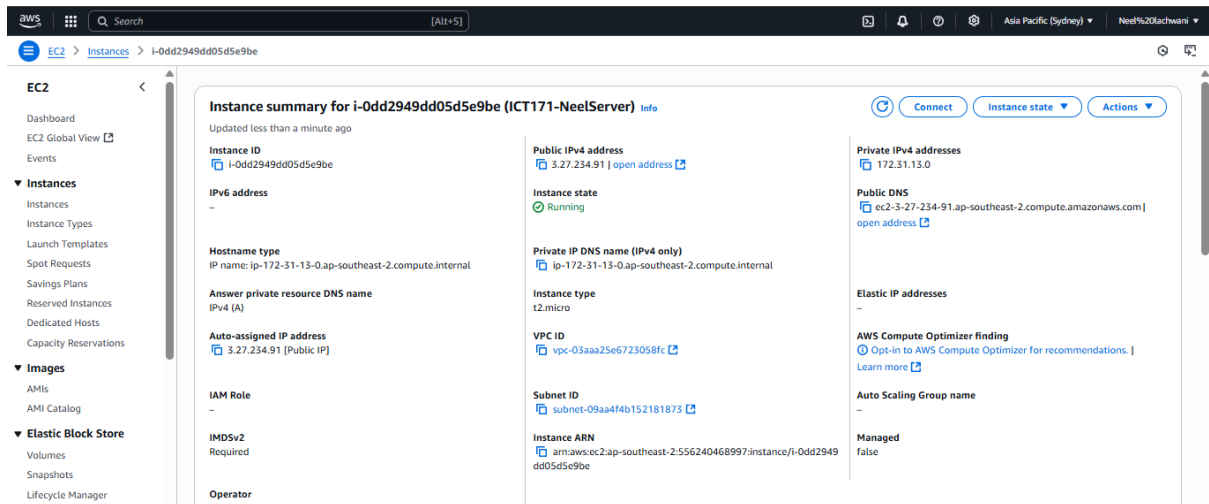


Figure 4: Instance summary

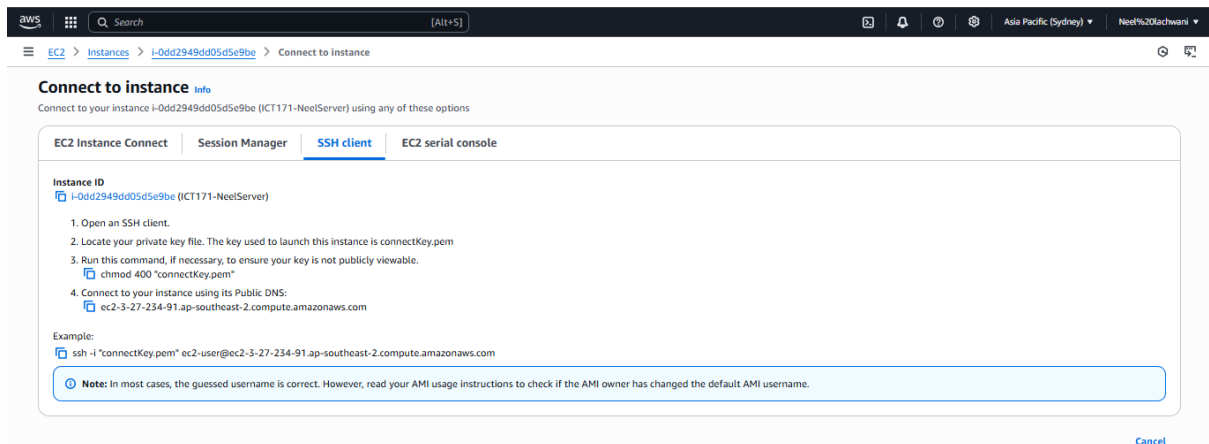


Figure 5: SSH Connect client option

## SSH Connect client

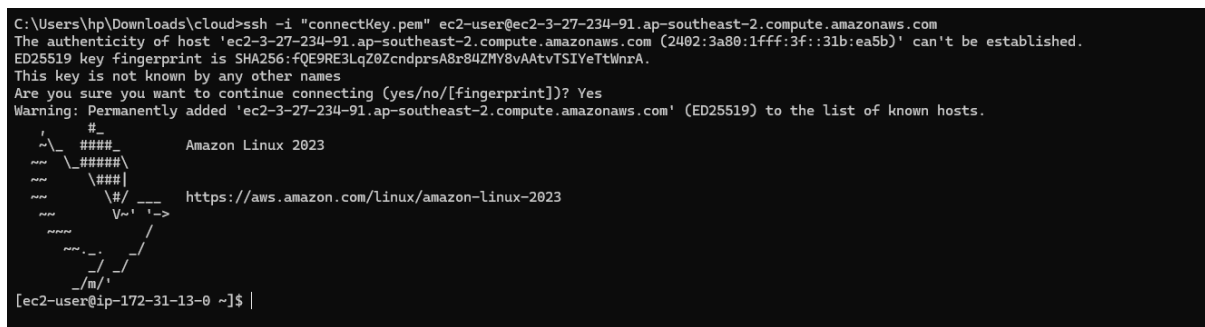


Figure 6: Connected to SSH Server

**Command:**

```
“ssh -i "connectKey.pem" ec2-user@ec2-3-27-234-91.ap-southeast-2.compute.amazonaws.com”
```

**Description:**

It allows you to safely access an AWS EC2 instance via this SSH command. The private key file is given to `-i` in this flag such as `connectKey.pem`. By default, a user named `ec2-user` will be created on Amazon Linux. The hostname is a short form that takes you to the public DNS of the target EC2 in the Asia Pacific (Sydney) region. Using this method, communication is protected using keys, eliminating the need for passwords.

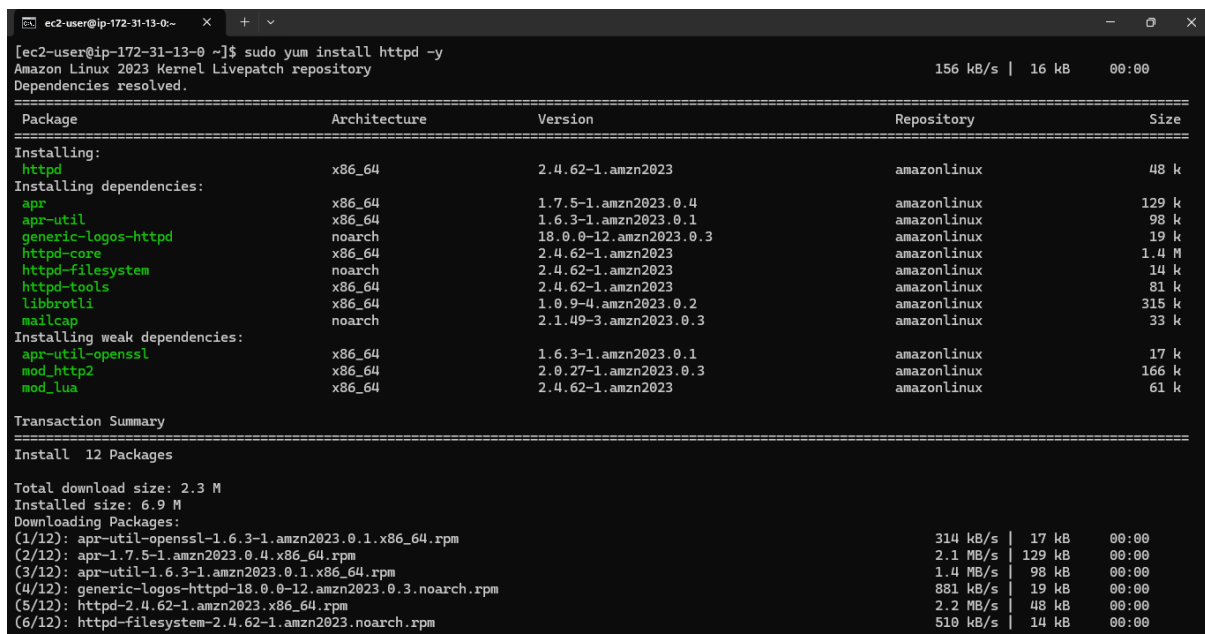
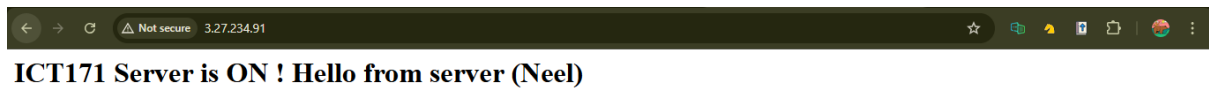


Figure 7: Download Apache service on EC2 Server





*Figure 11: Public IP webhosting and hello from server*

The screenshot proves, deploying a web server on an AWS EC2 instance completed successfully. You set up a virtual machine by using Amazon EC2 and manually accessed it through SSH with your private key. Once inside the server, you installed Apache HTTP server by using the command ``sudo yum install httpd -y`` which permitted the server to provide web content. Then, you launched and enabled the Apache service, so it starts together with your system. You should then edit the default web page, ``/var/www/html/index.html`` and write your custom message "ICT171 Server is ON!" Greetings from server (Neel)" Besides, you allowed HTTP traffic on port 80 in the EC2 security group which lets the web page be seen from any browser because message is showing in the browser, you know that your server is running successfully.