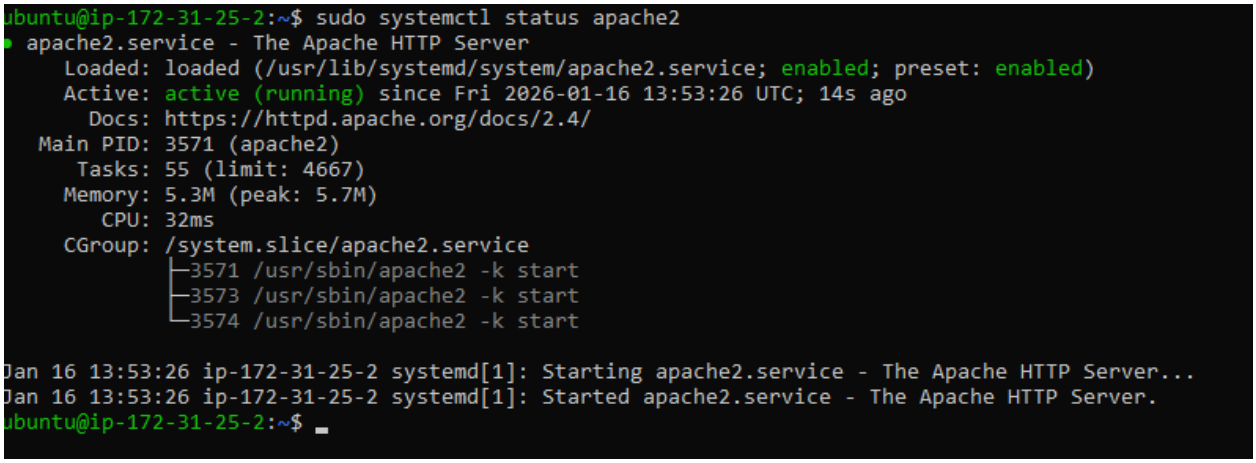
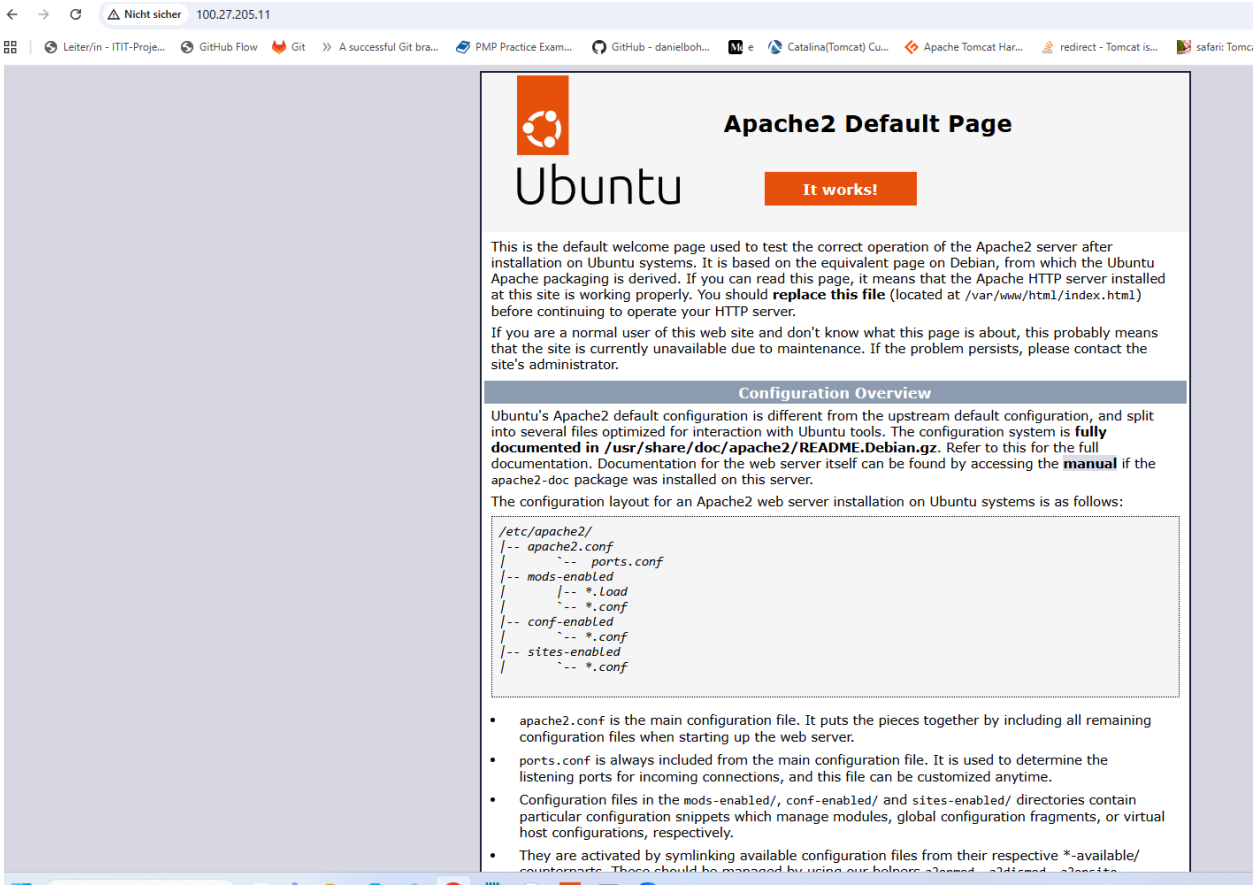
LAB: Apache Server on Ubuntu Virtual Machine.

3. Installing Apache



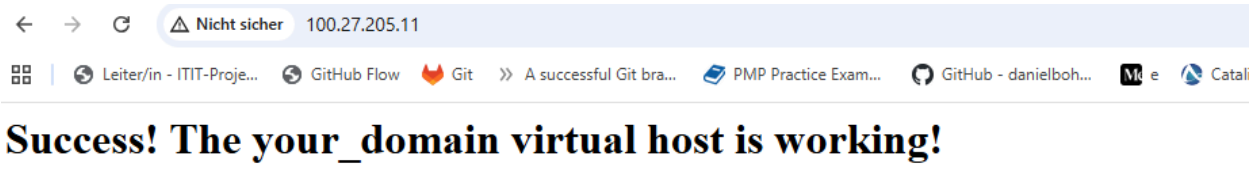


5.1 Creating a New Website Directory

```
buntu@ip-172-31-25-2:~$ sudo mkdir -p /var/www/your_domain
buntu@ip-172-31-25-2:~$ sudo chmod -R 755 /var/www/your_domain
buntu@ip-172-31-25-2:~$ sudo nano /var/www/your_domain/index.html
buntu@ip-172-31-25-2:~$ cat /var/www/your_domain/index.html
html>
    <head>
        <title>Welcome to Your Domain!</title>
    </head>
    <body>
        <h1>Success! The your_domain virtual host is working!</h1>
    </body>
/html>
buntu@ip-172-31-25-2:~$
```

```
ubuntu@ip-172-31-25-2:~$ sudo nano /etc/apache2/sites-available/your_domain.conf
ubuntu@ip-172-31-25-2:~$ cat /etc/apache2/sites-available/your_domain.conf
<VirtualHost *:80>
    ServerAdmin webmaster@localhost
    ServerName your_domain
    ServerAlias www.your_domain
    DocumentRoot /var/www/your_domain
    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>
ubuntu@ip-172-31-25-2:~$
```

5.4 Enabling the Virtual Host

```
ubuntu@ip-172-31-25-2:~$ sudo a2ensite your_domain.conf
Enabling site your_domain.
To activate the new configuration, you need to run:
  systemctl reload apache2
ubuntu@ip-172-31-25-2:~$ sudo a2dissite 000-default.conf
Site 000-default disabled.
To activate the new configuration, you need to run:
  systemctl reload apache2
ubuntu@ip-172-31-25-2:~$ sudo apache2ctl configtest
Syntax OK
ubuntu@ip-172-31-25-2:~$ sudo systemctl restart apache2
ubuntu@ip-172-31-25-2:~$
```

- Configuring and testing the virtual host.