Demo - Add Domain Names to the Application

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Introduction

- In the previous demos, we deployed two HTML applications on one EC2 machine. One application is served on port 80, while the other one is served on port 81.

- Instead of serving the applications using the IP address of the machine, and different ports, we will use domain names, and both applications will be served on port 80.

- Application1 will be served using domain name: `myfirstapp.com`

- Application2 will be served using domain name: `mysecondapp.com`

Solution

Application1 Virtualhost

- Modify the virtualhost of Application1: `sudo nano /etc/apache2/sites-available/myfirstapp.conf`

- Include the domain name:

```
<VirtualHost *:80>
    ServerName myfirstapp.com
    DocumentRoot /var/www/myfirstapp
    ErrorLog /var/log/myfirstapp/error.log
```

```
    CustomLog /var/log/myfirstapp/requests.log combined
</VirtualHost>
```

Application2 Virtualhost

- Modify the virtualhost of Application2: `sudo nano /etc/apache2/sites-available/mysecondapp.conf`

- Include the domain name:

```
<VirtualHost *:80>
    ServerName mysecondapp.com
    DocumentRoot /var/www/mysecondapp
    ErrorLog /var/log/mysecondapp/error.log
    CustomLog /var/log/mysecondapp/requests.log combined
</VirtualHost>
```

- Restart Apache: `sudo service apache2 restart`

Hosts File Modification

- Add the following record to the local machine's host file: (MAC or Linux: `sudo nano /etc/hosts`)

```
<SERVER IP> myfirstapp.com mysecondapp.com
```

Application Testing

Query the first application `myfirstapp.com`:

I have no idea what I'm doing.

Query the second application `mysecondapp.com`:

Neither do I.