

Host Multiple Websites On One Apache Server On Ubuntu

1. Install Apache Web Server

If you don't have an Apache server installed refer to post: [How To Install Apache On Ubuntu 20.04](#).

2. Create the Directory Structure

First, create a document root directory for both websites by commands:

```
1 sudo mkdir /var/www/html/example.com
```

```
1 sudo mkdir /var/www/html/example1.com
```

Next, create an **index.html** page to be track the results.

Create an **index.html** page for site `example.com`.

```
1 sudo nano /var/www/html/example.com/index.html
```

Copy and paste below content to file.

```
1 <html>
2 <head>
3   <title>example.com</title>
4 </head>
5 <body>
6   <h1>Welcome to example.com website</h1>
7 </body>
8 </html>
```

Next, create an **index.html** page for site `example1.com`.

```
1 sudo nano /var/www/html/example1.com/index.html
```

Copy and paste below content to file.

```
1 <html>
2 <head>
3   <title>example1.com</title>
4 </head>
5 <body>
6   <h1>Welcome to example1.com website</h1>
7 </body>
8 </html>
```

3. Grant Permissions

Grant permissions of `example.com` and `example1.com` directory by commands:

```
1 chown -R www-data:www-data /var/www/html/example.com
```

```
1 chown -R www-data:www-data /var/www/html/example1.com
```

4. Create a Virtual Host Configuration File

Create an Apache virtual host configuration file for `example.com`:

```
1 sudo nano /etc/apache2/sites-available/example.com.conf
```

Add the following lines:

```
1 <VirtualHost *:80>
2   ServerAdmin webmaster@localhost
3   ServerName example.com
4   ServerAlias www.example.com
5   DocumentRoot /var/www/html/example.com
6   ErrorLog ${APACHE_LOG_DIR}/error.log
7   CustomLog ${APACHE_LOG_DIR}/access.log combined
8 </VirtualHost>
```

Create an Apache virtual host configuration file for `example1.com`:

```
1 sudo nano /etc/apache2/sites-available/example1.com.conf
```

And add the following lines:

```
1
2
3
4
5
6
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8
<VirtualHost *:80>
  ServerAdmin webmaster@localhost
  ServerName example1.com
  ServerAlias www.example1.com
  DocumentRoot /var/www/html/example1.com
  ErrorLog ${APACHE_LOG_DIR}/error.log
  CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>
```

Then, enable the virtual host configuration file with the following commands:

```
1 sudo a2ensite example.com.conf
```

```
1 sudo a2ensite example1.com.conf
```

Restart Apache for the changes to take effect.

```
1 sudo systemctl restart apache2
```

5. Test your Results

Visit the website with the path `http://example.com` you will see results like this:

Result of example
Result to focus on type unknown

And visit the website with the path `http://example1.com` you will see results like this:

Result of example1
Result to focus on type unknown

Thank you for reading!