

Setting Up an Apache Container

One of the amazing things about the **Docker** ecosystem is that there are tens of standard containers that you can easily download and use.

In the following example, we will instantiate an **Apache 2.4** container named **tecmint-web**, detached from the current terminal. We will use an image called **httpd:2.4** from [Docker Hub](#).

Our plan is to have requests made to our public IP address on port **8080** be redirected to port **80** on the container. Also, instead of serving content from the container itself, we will serve a simple web page from **/home/user/website**.

We do this by mapping **/home/user/website/** on the **/usr/local/apache2/htdocs/** on the container. Note that you will need to use **sudo** or login as **root** to proceed, and do not omit the forward slashes at the end of each directory.

```
$ sudo docker run -dit --name tecmint-web -p 8080:80 -v /home/user/website:/usr/local/apache2/htdocs/ httpd:2.4
```

```
root@tecmint:~# docker run -dit --name tecmint-web -p 8080:80 -v /home/user/website/
Unable to find image 'httpd:2.4' locally
2.4: Pulling from library/httpd
e5ae68f74026: Pull complete
bc36ee1127ec: Pull complete
d3576f2b6317: Pull complete
f1aa5f54b226: Pull complete
aa379c0cedc2: Pull complete
Digest: sha256:fba8a9f4290180ceee5c74638bb85ff21fd15961e6fdfa4def48e18820512bb1
Status: Downloaded newer image for httpd:2.4
d217a487a197ae3c17f9979122dd71c7914db3a2f26391da48a7ea764634bf46
```

Pull Docker Apache Container

At this point, our **Apache** container should be up and running.

```
$ sudo docker ps
```

```
user@tecmint:~$ sudo docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
0c4ef1536877	httpd:2.4	"httpd-foreground"	About a minute ago	Up About a minute	0.0.0.0:8080->80

```
user@tecmint:~$
```

Check Apache Docker Container

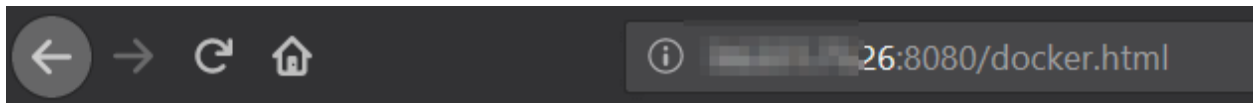
Now let's create a simple web page named **docker.html** inside the **/home/user/website** directory.

```
$ sudo gedit /home/user/website/docker.html
```

Add the following sample HTML content to the file.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Learn Docker at Tecmint.com</title>
</head>
<body>
  <h1>Learn Docker With Us</h1>
</body>
</html>
```

Next, point your browser to **Server-IP:8080/docker.html** (where **Server-IP** is your host's public IP address). You should be presented with the page we created previously.



Learn Docker With Us

Check Apache Page

If you wish, you can now stop the container.

```
$ sudo docker stop tecmint-web
```

and remove it:

```
$ sudo docker rm tecmint-web
```

To finish cleaning up, you may want to delete the image that was used in the container (omit this step if you're planning on creating other **Apache 2.4** containers soon).

```
$ sudo docker image remove httpd:2.4
```

Note that in all the above steps we never had to install the webserver on our host.