

HTTP Server Configuration

1. Install [http](#) packages & dependencies as shown below-

```
[root@rhel9-server html]#  
[root@rhel9-server html]# yum install http* -y
```

2. Start & enable [httpd](#) service-

```
[root@rhel9-server ~]# systemctl enable --now httpd  
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.  
[root@rhel9-server ~]#
```

3. Check the service status-

```
[root@rhel9-server html]# systemctl status httpd.service  
● httpd.service - The Apache HTTP Server  
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)  
   Active: active (running) since Sun 2022-11-06 06:51:45 IST; 26min ago  
     Docs: man:httpd.service(8)  
  Main PID: 3696 (httpd)  
    Status: "Total requests: 20; Idle/Busy workers 100/0;Requests/sec: 0.0127; Bytes served/sec: 9 B/sec"  
    Tasks: 213 (limit: 10953)  
   Memory: 27.7M  
      CPU: 953ms  
   CGroup: /system.slice/httpd.service  
           └─3696 /usr/sbin/httpd -DFOREGROUND  
             └─3697 /usr/sbin/httpd -DFOREGROUND  
               └─3698 /usr/sbin/httpd -DFOREGROUND  
                 └─3699 /usr/sbin/httpd -DFOREGROUND  
                   └─3700 /usr/sbin/httpd -DFOREGROUND  
  
Nov 06 06:51:44 rhel9-server.cricbuzz.com systemd[1]: Starting The Apache HTTP Server...  
Nov 06 06:51:45 rhel9-server.cricbuzz.com systemd[1]: Started The Apache HTTP Server.  
Nov 06 06:51:45 rhel9-server.cricbuzz.com httpd[3696]: Server configured, listening on: port 80  
[root@rhel9-server html]#
```

4. Add [http](#) & [https](#) service in firewall-

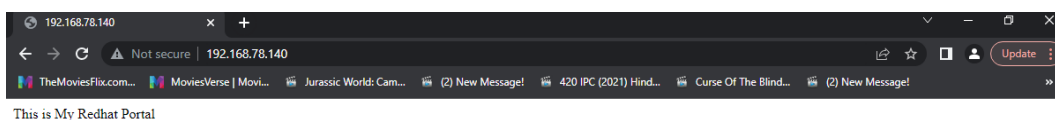
```
[root@rhel9-server html]# firewall-cmd --permanent --add-service=http --zone=public  
success  
[root@rhel9-server html]# firewall-cmd --permanent --add-service=https --zone=public  
success  
[root@rhel9-server html]# firewall-cmd --reload  
success
```

5. Now create (If not any) & edit [index.html](#) file in [/var/www/html](#) directory-

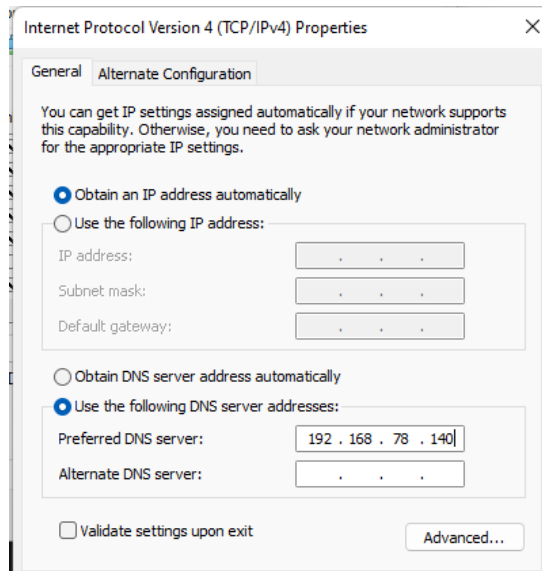
```
[root@rhel9-server ~]# cd /var/www/html/  
[root@rhel9-server html]# ls  
[root@rhel9-server html]# vim index.html
```

```
[root@rhel9-server html]# cat index.html  
This is My Redhat Portal  
[root@rhel9-server html]#
```

6. Go to client machine & open website with this server's IP first-



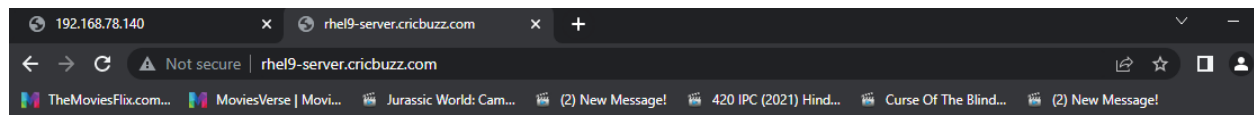
7. To access it using Fully qualified domain name, DNS server must be setup at server side & add DNS server IP in client's DNS-



8. Check server FQDN using `hostnamectl`-

```
[root@rhel9-server html]# hostnamectl
Static hostname: rhel9-server.cricbuzz.com
```

8. Now access website using name in place of IP-



This is My Redhat Portal