# Web Server

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**Bước 1:** Cài đặt dịch vụ httpd

```
yum install httpd
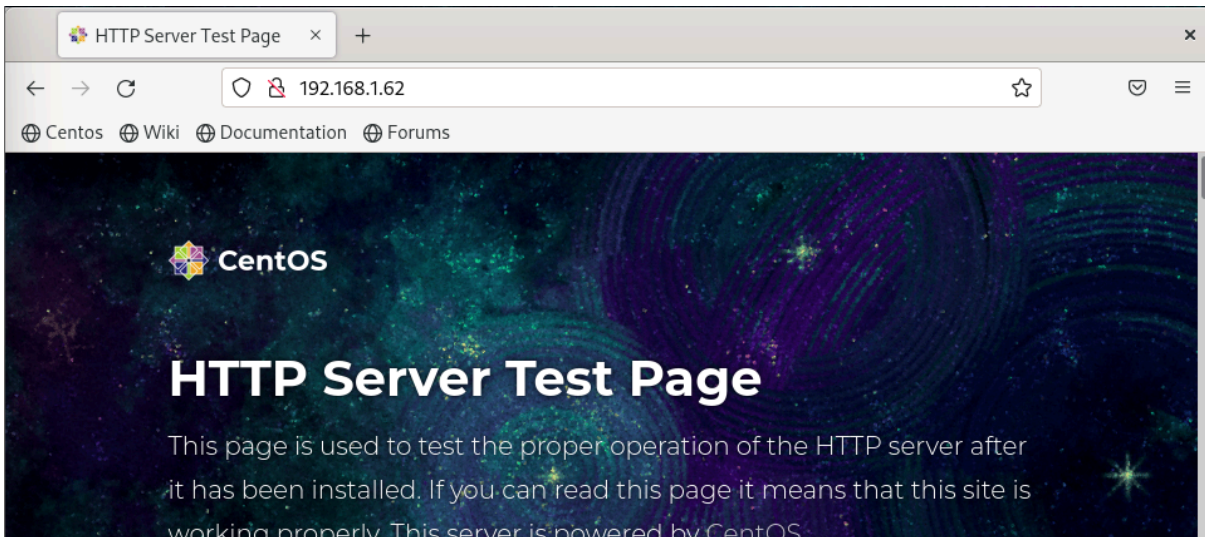```



**Bước 2:** Khởi chạy dịch vụ

```
systemctl start httpd
```



**Bước 3:** Vào trình duyệt firefox, nhập https:<IP Server>/

**Bước 4:** Khởi tạo Virtual Hosts

mkdir -p /var/www/doankimhan.com/html

mkdir -p /var/www/doankimhan.com/log

```
[doankimhan@doankimhan ~]$ sudo mkdir -p /var/www/doankimhan.com/html
[sudo] password for doankimhan:
[doankimhan@doankimhan ~]$ sudo mkdir -p /var/www/doankimhan.com/log
```

chown -R $USER:$USER /var/www/doankimhan.com/html

chmod -R 755 /var/www

```
[doankimhan@doankimhan ~]$ sudo chown -R $USER:$USER /var/www/doankimhan.com/html
[doankimhan@doankimhan ~]$ sudo chmod -R 755 /var/www
```

**Bước 5:** Ghi nội dung web vào file index.html

echo "<h1>My Web Server</h1>" >
/var/www/doankimhan.com/html/index.html

```
[doankimhan@doankimhan ~]$ echo "<h1>My Web Server</h1>" > /var/www/doankimhan.com/html/index.html
[doankimhan@doankimhan ~]$
```

**Bước 6:** Cấu hình /etc/httpd/conf/httpd.conf

vi /etc/httpd/conf/httpd.conf

```
# Supplemental configuration
#
# Load config files in the "/etc/httpd/conf.d" directory, if any.
IncludeOptional conf.d/*.conf
IncludeOptional sites-enabled/*.conf
```

**Bước 7:** Tạo thư mục cấu hình Virtual Hosts

 mkdir /etc/httpd/sites-available

mkdir /etc/httpd/sites-enabled

```
[doankimhan@doankimhan ~]$ sudo mkdir /etc/httpd/sites-available
[doankimhan@doankimhan ~]$ sudo mkdir /etc/httpd/sites-enabled
[doankimhan@doankimhan ~]$
```

**Bước 8:** Cấu hình Virtual Hosts

```
doankimhan@doankimhan:~ — /usr/bin/vim /etc/httpd/sites-available/doankimhan.com.conf

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

**Bước 9:** Tạo liên kết cấu hình

```
ln -s /etc/httpd/sites-available/doankimhan.com.conf
/etc/httpd/sitesenabled/doankimhan.com.conf
```

```
[doankimhan@doankimhan ~]$ sudo ln -s /etc/httpd/sites-available/doankimhan.com.conf
/etc/httpd/sites-enabled/doankimhan.com.conf
[doankimhan@doankimhan ~]$
```

**Bước 10**: Cấu hình Windows: C:\\windows\System32\drivers\etc\hosts

```
# localhost name resolution is handled within DNS itself.
#       127.0.0.1       localhost
#       ::1             localhost
192.168.1.62            doankimhan.com
```

**Bước 11**: Khởi chạy lại dịch vụ httpd

```
systemctl restart httpd
```

```
[root@doankimhan ~]# systemctl restart httpd
[root@doankimhan ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
    Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor preset: disabled)
    Active: active (running) since Thu 2024-11-14 23:53:49 +07; 1min 11s ago
      Docs: man:httpd.service(8)
  Main PID: 6429 (httpd)
    Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes served/sec:   0 B/s
     Tasks: 177 (limit: 10944)
    Memory: 21.7M
       CPU: 71ms
    CGroup: /system.slice/httpd.service
            ├─6429 /usr/sbin/httpd -DFOREGROUND
            ├─6431 /usr/sbin/httpd -DFOREGROUND
            ├─6432 /usr/sbin/httpd -DFOREGROUND
            ├─6433 /usr/sbin/httpd -DFOREGROUND
            └─6434 /usr/sbin/httpd -DFOREGROUND
```

**Bước 12:** Cấu hình tường lửa

```
firewall-cmd --permanent --add-service=http
firewall-cmd --permanent --add-service=https
firewall-cmd --reload
```

```
[root@doankimhan ~]# firewall-cmd --permanent --add-service=http
success
[root@doankimhan ~]# firewall-cmd --permanent --add-service=https
success
[root@doankimhan ~]# firewall-cmd --reload
success
```

```
firewall-cmd --zone=public --add-service=http
firewall-cmd --zone=public --add-service=https
firewall-cmd --reload
```

```
[root@doankimhan ~]# firewall-cmd --zone=public --permanent --add-service=http
Warning: ALREADY_ENABLED: http
success
[root@doankimhan ~]# firewall-cmd --zone=public --permanent --add-service=https
Warning: ALREADY_ENABLED: https
success
[root@doankimhan ~]# firewall-cmd --reload
success
```

```
[root@doankimhan ~]# firewall-cmd --list-all
public (active)
  target: default
  icmp-block-inversion: no
  interfaces: enp0s3
  sources:
  services: cockpit dhcpv6-client http https ssh
  ports:
  protocols:
  forward: yes
  masquerade: no
  forward-ports:
  source-ports:
  icmp-blocks:
  rich rules:
[root@doankimhan ~]#
```

**Bước 13:** Vào trình duyệt firefox, nhập doankimhan.com

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# My Web Server
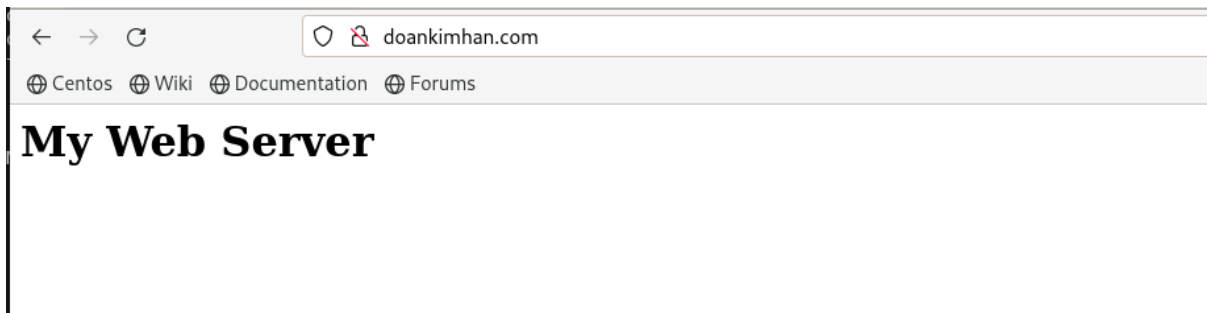
**Bước 14:** Vào trình duyệt trên window, nhập doankimhan.com

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