

```
moe404@localhost:~  
[moe404@localhost ~]$ sudo dnf install httpd -y  
  
We trust you have received the usual lecture from the local System  
Administrator. It usually boils down to these three things:  
  
#1) Respect the privacy of others.  
#2) Think before you type.  
#3) With great power comes great responsibility.  
  
[sudo] password for moe404:  
CentOS Stream 9 - BaseOS                1.7 MB/s | 8.7 MB    00:05  
CentOS Stream 9 - AppStream             666 kB/s | 24 MB     00:36  
CentOS Stream 9 - Extras packages       4.0 kB/s | 19 kB     00:04  
Dependencies resolved.  
=====
```

Package	Architecture	Version	Repository	Size
Installing:				
httpd	x86_64	2.4.62-4.el9	appstream	47 k
Installing dependencies:				
apr	x86_64	1.7.0-12.el9	appstream	123 k
apr-util	x86_64	1.6.1-23.el9	appstream	95 k
apr-util-bdb	x86_64	1.6.1-23.el9	appstream	13 k
centos-logos-httpd	noarch	90.8-3.el9	appstream	1.5 M
httpd-core	x86_64	2.4.62-4.el9	appstream	1.5 M
httpd-filesystem	noarch	2.4.62-4.el9	appstream	13 k
httpd-tools	x86_64	2.4.62-4.el9	appstream	82 k

```
moe404@localhost:~  
[moe404@localhost ~]$ httpd -v  
Server version: Apache/2.4.62 (CentOS Stream)  
Server built:   Jan 29 2025 00:00:00  
[moe404@localhost ~]$ sudo systemctl start httpd  
[moe404@localhost ~]$ sudo systemctl enable httpd  
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/syst  
[moe404@localhost ~]$ sudo systemctl status httpd  
● httpd.service - The Apache HTTP Server  
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: disabled)  
   Active: active (running) since Mon 2025-05-26 15:46:06 EDT; 20s ago  
     Docs: man:httpd.service(8)  
  Main PID: 37538 (httpd)  
    Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes  
    Tasks: 177 (limit: 4284)  
   Memory: 26.2M  
      CPU: 78ms  
   CGroup: /system.slice/httpd.service  
           └─37538 /usr/sbin/httpd -DFOREGROUND  
             └─37539 /usr/sbin/httpd -DFOREGROUND  
               └─37543 /usr/sbin/httpd -DFOREGROUND  
                 └─37544 /usr/sbin/httpd -DFOREGROUND  
                   └─37545 /usr/sbin/httpd -DFOREGROUND  
  
May 26 15:46:06 localhost.localdomain systemd[1]: Starting The Apache HTTP Serv  
May 26 15:46:06 localhost.localdomain httpd[37538]: AH00558: httpd: Could not r  
May 26 15:46:06 localhost.localdomain systemd[1]: Started The Apache HTTP Serve  
May 26 15:46:06 localhost.localdomain httpd[37538]: Server configured, listenin
```

```
moe404@localhost:~  
└─3/545 /usr/sbin/httpd -DFOREGROUND  
May 26 15:46:06 localhost.localdomain systemd[1]: Starting The Apache HTTP Serv>  
May 26 15:46:06 localhost.localdomain httpd[37538]: AH00558: httpd: Could not r>  
May 26 15:46:06 localhost.localdomain systemd[1]: Started The Apache HTTP Serve>  
May 26 15:46:06 localhost.localdomain httpd[37538]: Server configured, listenin>  
[moe404@localhost ~]$ sudo firewall-cmd --permanent --add-service=http  
success  
[moe404@localhost ~]$ sudo firewall-cmd --permanent --add-service=https  
success  
[moe404@localhost ~]$ sudo firewall-cmd --reload  
success  
[moe404@localhost ~]$ sudo firewall-cmd --list-all  
public (active)  
  target: default  
  icmp-block-inversion: no  
  interfaces: ens33  
  sources:  
  services: cockpit dhcpv6-client http https ssh  
  ports:  
  protocols:  
  forward: yes  
  masquerade: no  
  forward-ports:  
  source-ports:  
  icmp-blocks:  
  rich rules:
```

```
[moe404@localhost ~]$ sudo mkdir -p /var/www/html/site1.com  
[sudo] password for moe404:  
[moe404@localhost ~]$ sudo mkdir -p /var/www/html/site2.com  
[moe404@localhost ~]$ sudo chown -R apache:apache /var/www/html/site1.com  
[moe404@localhost ~]$ sudo chown -R apache:apache /var/www/html/site2.com  
[moe404@localhost ~]$ sudo chmod -R 755 /var/www/html/  
[moe404@localhost ~]$ echo "Welcome to Site 1" | sudo tee /var/www/html/site1.com/index.html  
Welcome to Site 1  
[moe404@localhost ~]$ echo "Welcome to Site 2" | sudo tee /var/www/html/site2.com/index.html  
Welcome to Site 2  
[moe404@localhost ~]$ sudo vi /etc/httpd/conf.d/site1.com.conf  
[moe404@localhost ~]$ sudo vi /etc/httpd/conf.d/site2.com.conf  
[moe404@localhost ~]$ vim /etc/hosts  
[moe404@localhost ~]$ sudo vim /etc/hosts
```

```
moe404@localhost:~ — sudo vi /etc/httpd/conf.d/site1.com.conf  
<VirtualHost *:80>  
  ServerName site1.com  
  DocumentRoot /var/www/html/site1.com  
  ErrorLog /var/log/httpd/site1.com.error.log  
  CustomLog /var/log/httpd/site1.com.access.log combined  
</VirtualHost>
```

```
moe404@localhost:~ — vim /etc/hosts  
127.0.0.1    localhost localhost.localdomain localhost4 localhost4.localdomain4  
::1         localhost localhost.localdomain localhost6 localhost6.localdomain6  
  
127.0.0.1    site1.com  
127.0.0.1    site2.com  
~  
~
```

Syntax OK

```
[moe404@localhost ~]$ sudo systemctl restart httpd
```

```
[moe404@localhost ~]$ curl http://site1.com
```

Welcome to Site 1

```
[moe404@localhost ~]$ curl http://site2.com
```

Welcome to Site 2

```
[moe404@localhost ~]$
```