

Installing web server on CentOS9 and also configuring YUM Package manager

Step 1 - First we will mount the iso file to VMware.

Then we have to mount that iso file to a directory.

```
mount /dev/sr0 /mnt
```

Step 2: Configure the YUM Repository

```
cd /etc/yum.repos.d/
```

Create two new repository configuration file

```
vim local-baseos.repo
```

```
[BaseOS]
name=Local BaseOS Repository
baseurl=file:///mnt/BaseOS
enabled=1
gpgcheck=0
```

```
vim local-appstream.repo
```

```
[AppStream]
name=Local AppStream Repository
baseurl=file:///mnt/AppStream
enabled=1
gpgcheck=0
```

Step 3: Verify the Repositories

```
yum clean all
```

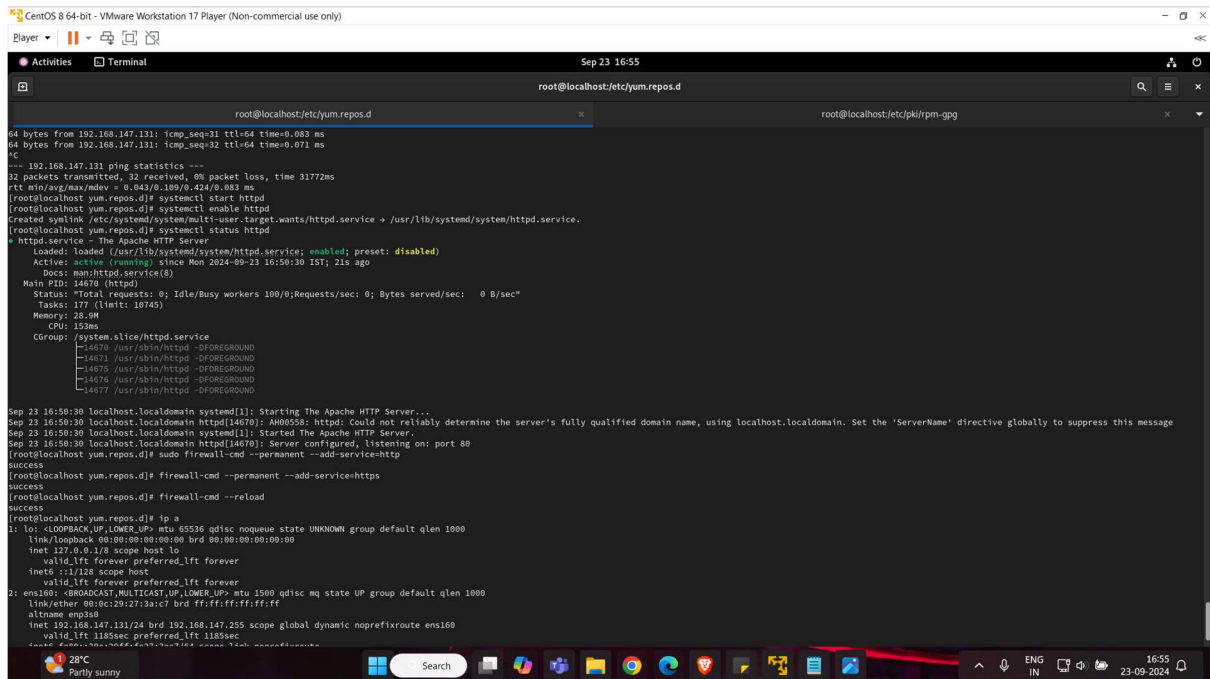
```
yum repolist
```


Step 6: Configure the Firewall

firewall-cmd --permanent --add-service=http

firewall-cmd --permanent --add-service=https

firewall-cmd --reload



```
CentOS 8 64-bit - VMware Workstation 17 Player (Non-commercial use only)
Sep 23 16:55
root@localhost:/etc/yum.repos.d
64 bytes from 192.168.147.131: icmp_seq=31 ttl=64 time=0.083 ms
64 bytes from 192.168.147.131: icmp_seq=32 ttl=64 time=0.071 ms
--- 192.168.147.131 ping statistics ---
32 packets transmitted, 32 received, 0% packet loss, time 31772ms
rtt min/avg/max/mdev = 0.043/0.109/0.424/0.083 ms
[root@localhost yum.repos.d]# systemctl start httpd
[root@localhost yum.repos.d]# systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
[root@localhost yum.repos.d]# 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 2024-09-23 16:50:30 IST; 21s ago
     Docs: man:httpd.service(8)
  Main PID: 14670 (httpd)
    Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served/sec: 0 B/sec"
    Tasks: 177 (limit: 10745)
   Memory: 28.0M
      CPU: 153ms
    CGroup: /system.slice/httpd.service
            └─14670 /usr/sbin/httpd -DFOREGROUND
              └─14671 /usr/sbin/httpd -DFOREGROUND
                └─14675 /usr/sbin/httpd -DFOREGROUND
                  └─14676 /usr/sbin/httpd -DFOREGROUND
                    └─14677 /usr/sbin/httpd -DFOREGROUND

Sep 23 16:50:30 localhost.localdomain systemd[1]: Starting The Apache HTTP Server...
Sep 23 16:50:30 localhost.localdomain httpd[14670]: AH00558: httpd: could not reliably determine the server's fully qualified domain name, using localhost.localdomain. Set the 'ServerName' directive globally to suppress this message
Sep 23 16:50:30 localhost.localdomain systemd[1]: Started The Apache HTTP Server.
Sep 23 16:50:30 localhost.localdomain httpd[14670]: Server configured, listening on: port 80
[root@localhost yum.repos.d]# sudo firewall-cmd --permanent --add-service=http
success
[root@localhost yum.repos.d]# firewall-cmd --permanent --add-service=https
success
[root@localhost yum.repos.d]# firewall-cmd --reload
success
[root@localhost yum.repos.d]# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: ens160: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 00:0c:29:27:3a1c7 brd ff:ff:ff:ff:ff:ff
    altname enp3s0
    inet 192.168.147.131/24 brd 192.168.147.255 scope global dynamic noprefixroute ens160
        valid_lft 1185sec preferred_lft 1185sec
```

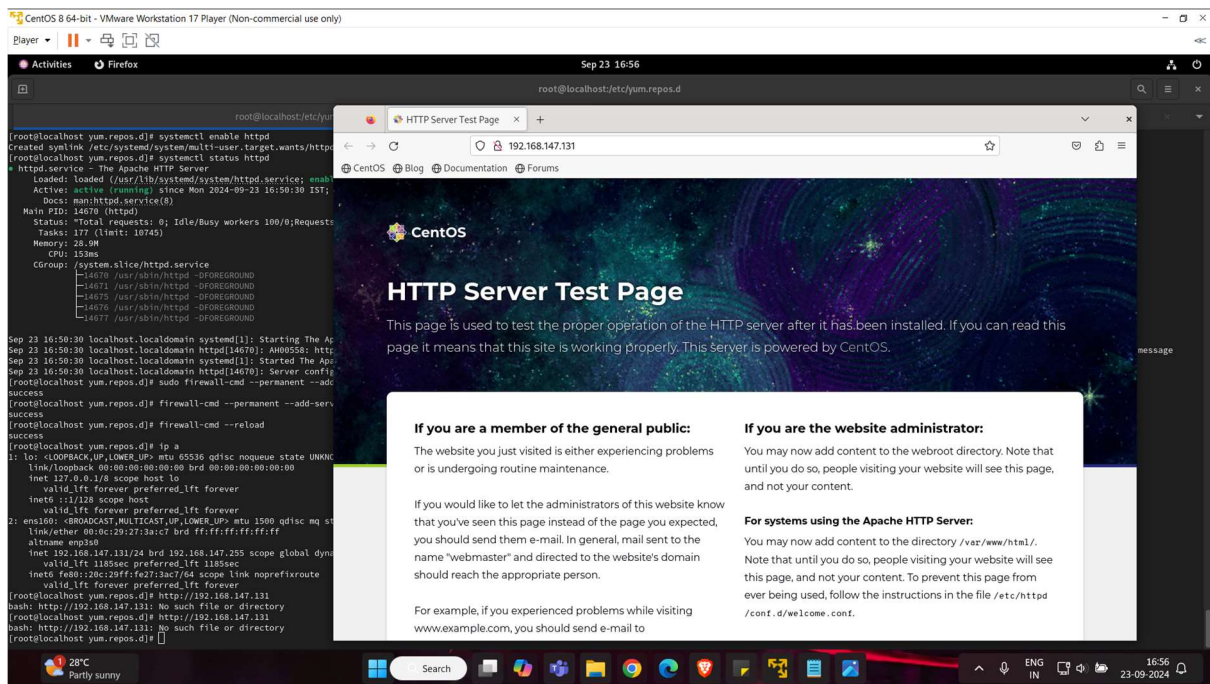
Step 7: Test Apache in Your Browser

Find the IP address of your CentOS virtual machine:

ip a

Access the Apache web server:

http://<Your ip>



Optional

Step 8: Configure Apache's Document Root

vi /var/www/html/index.html

Add html content.

Save and exit the file.

Restart Apache to load your changes:

systemctl restart httpd