Assignment: HTTP Server

Steps:

1. Update Your System

Before installing any packages, it's a good idea to update your system to ensure everything is up-to-date.

sudo yum update

2.Install Apache (httpd)

Use the yum package manager to install the Apache HTTP server.

sudo yum update –y

Run mount command:

```
-500, imode-400, unetper-udisks2)
[root@localhost ~]# mount /dev/sr0 /mnt
mount: /mnt: WARNING: source write-protected, mounted read-only.
[root@localbost ~]# cd /etc/vum repo d/
```

Check mount:

```
[root@localhost -]# mount
proc on /proc type proc (rw,nosuid,nodev,noexec,relatime)
sysfs on /sys type sysfs (rw,nosuid,nodev,noexec,relatime,seclabel)
devtmpfs on /dev type devtmpfs (rw,nosuid,sodev,noexec,relatime,seclabel)
devtmpfs on /dev type devtmpfs (rw,nosuid,sodev,seclabel,size=a096k,nr_inodes+a48139,mode=755,inode64)
securityfs on /sys/kernel/security type securityfs (rw,nosuid,nodev,noexec,relatime)
tmpfs on /dev/pst type devtps (rw,nosuid,nodev,seclabel,inde5,mode96)
tmpfs on /dev/pst type devtps (rw,nosuid,nodev,seclabel,inde5,mode=620,ptmxmode=000)
tmpfs on /run type tmpfs (rw,nosuid,nodev,seclabel,size=728624k,nr_inodes=819200,mode=755,inode64)
depts on /sys/fs/pstory type group (rw,nosuid,nodev,noexec,relatime,seclabel)
psf on /sys/fs/psf type psf (rw,nosuid,nodev,noexec,relatime,seclabel)
psf on /sys/fs/psf type psf (rw,nosuid,nodev,noexec,relatime,seclabel)
/dev/sda2 on / type xfs (rw,relatime,seclabel,attr2,inode64,logbufs=8,logbsize=32k,noquota)
selinuxfs on /sys/fs/splintation type selinuxfs (rw,nosuid,nodev,noexec,relatime)
systemd-1 on /proc/sys/fs/binfat_misc type autofs (rw,relatime,fd=29,gprp=1,timeout=0,minproto=5,maxproto=5,direct,pipe_ino=18991)
hugetlbfs on /dev/hugepage type hugetlbfs (rw,relatime,seclabel),pagesize=2M)
mqueue on /dev/mqueue type mqueue (rw,nosuid,nodev,noexec,relatime,seclabel)
debugfs on /sys/kernel/tracing type tracefs (rw,nosuid,nodev,noexec,relatime,seclabel)
debugfs on /sys/kernel/tracing type tracefs (rw,nosuid,nodev,noexec,relatime,seclabel)
fusection /sys/fs/fuseconnections type fusect (rw,nosuid,nodev,noexec,relatime)
configfs on /sys/kernel/tracing type tracefs (rw,nosuid,nodev,noexec,relatime,seclabel)
fusection /sys/fs/fuseconnections type fusect (type ramfs (ro,nosuid,nodev,noexec,relatime,seclabel,mode=780)
none on /run/credentials/systemd-tmpfiles-setup-dev.service type ramfs (ro,nosuid,nodev,noexec,relatime,seclabel,mode=780)
none on /run/credentials/systemd-tmpfiles-setup-dev.service type ramfs (ro,nosuid,nodev,noexec,relatime,seclabel,mode=780)
```

Create local.repo and rum yum clean all command:

```
[root@localhost ~]# vi local.repo
[root@localhost ~]# yum clean all
Updating Subscription Management repositories.
Unable to read consumer identity
This system is not registered with an entitlement server. You can use "rhc" or "subscription-manager" to register.
O files removed
```

Rum yum repolist to check for repo:

Install httpd and check for http server :

```
[root@localhost ~]# cd /var/www/html
[root@localhost html]# cd ~
[root@localhost ~]# systemctl status httpd
o httpd.service - The Apache HTTP Server
    Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
    Active: inactive (dead)
    Docs: man:httpd.service(8)
[root@localhost ~]#
```

Check machine ip:

```
[root@localhost ~]# ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
       inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
       inet6 fe80::a00:27ff:fe51:f41 prefixlen 64 scopeid 0x20<link>
       ether 08:00:27:51:0f:41 txqueuelen 1000 (Ethernet)
       RX packets 44845 bytes 66010230 (62.9 MiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 9959 bytes 619123 (604.6 KiB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
       inet 127.0.0.1 netmask 255.0.0.0
       inet6 ::1 prefixlen 128 scopeid 0x10<host>
       loop txqueuelen 1000 (Local Loopback)
       RX packets 61 bytes 5076 (4.9 KiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 61 bytes 5076 (4.9 KiB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

Activate Firewall and check system status:

Output on browser:

