Assignment: Installation of APACHE Server.

The cd /etc/yum.repos.d command allows you to access the directory where yum repository configurations are stored.

This directory contains repository configuration files for yum, which is a package manager used in CentOS and other Red Hat-based distributions. Each .repo file in this directory defines a software repository that yum can use to install packages.

```
[root@localhost /]# cd /etc/yum.repos.d
[root@localhost yum.repos.d]#
```

rm -rf local.repo

- rm: This command is used to remove files or directories.
- -r: This option stands for "recursive," which means it will delete directories and their contents recursively.
- -f: This option stands for "force," which means it will ignore non-existent files and won't prompt for confirmation.
- local.repo: This is the name of the file or directory you want to remove.

What It Does:

Running rm -rf local.repo will:

• Forcefully and recursively delete the local repo directory (or file) and all its contents without any confirmation prompt.

ls: This command lists the contents of the current directory.

```
[root@localhost yum.repos.d]# rm -rf local.repo
[root@localhost yum.repos.d]# ls
centos-addons.repo centos.repo redhat.repo
[root@localhost yum.repos.d]#
```

The command vi local.repo is used to open or create a file named local.repo using the vi text editor in a Linux terminal

```
[root@localhost yum.repos.d] # vi local.repo

[dvd1]
name=AppStream
baseurl=file:///mnt/AppStream
gpgcheck=0

[dvd2]
name=BaseOS
baseurl=file:///mnt/BaseOS
gpgcheck=0
```

The command yum clean all is used in CentOS and other Red Hat-based Linux distributions to clean up the local cache and metadata related to the yum package manager. Here's a breakdown of what it does:

Purpose of yum clean all

- 1. Clear Cached Packages:
- 2. Remove Metadata:
- 3. Free Up Disk Space:

```
[root@localhost yum.repos.d]# 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.
21 files removed
[root@localhost yum.repos.d]#
```

The command yum repolist all is used in CentOS and other Red Hat-based distributions to display a list of all configured YUM repositories, including both enabled and disabled ones. Here's a breakdown of the command:

Purpose of yum repolist all

- 1. List All Repositories:
- 2. Check Repository Status:
- 3. **Debugging and Configuration**:

```
[root@localhost yum.repos.d]# yum repolist all
Updating Subscription Management repositories.
Unable to read consumer identity
This system is not registered with an entitlement server. You can use "rhc" or "subsc
ion-manager" to register.
repo id
                          repo name
                                                                        status
appstream
                          CentOS Stream 9 - AppStream
                          CentOS Stream 9 - AppStream - Debug
appstream-debuginfo
                          CentOS Stream 9 - AppStream - Source
appstream-source
                          CentOS Stream 9 - BaseOS
baseos
                          CentOS Stream 9 - BaseOS - Debug
baseos-debuginfo
                          CentOS Stream 9 - BaseOS - Source
baseos-source
crb
                          CentOS Stream 9 - CRB
crb-debuginfo
                          CentOS Stream 9 - CRB - Debug
crb-source
                          CentOS Stream 9 - CRB - Source
dvd1
                          AppStream
dvd2
                           Base0S
extras-common
                          CentOS Stream 9 - Extras packages
```

The command yum install httpd* -y is used to install packages related to the Apache HTTP Server on a CentOS or Red Hat-based system. Here's a breakdown of its components and what it does:

Breakdown of the Command

- 1. **yum**:
 - This is the package manager used in CentOS and other Red Hat-based distributions to manage software packages.
- 2. install:
 - This is the action that tells yum you want to install a package or packages.
- 3. **httpd***:
 - The httpd* syntax uses a wildcard (*), which means "install any package that starts with httpd." This will typically include:
 - httpd: The main Apache HTTP server package.
 - httpd-tools: Utilities for managing the Apache server.
 - Any other packages that start with httpd.
- 4. **-y**:
- This option automatically answers "yes" to any prompts during the installation process. It allows the installation to proceed without requiring user interaction, making it useful for scripting or when you want to install packages without interruption.

[root@localhost yum.repos.d]# yum install httpd* -y 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.					
CentOS Stream 9 - BaseOS		1.2	MB/s	8.3 MB	00:06
CentOS Stream 9 - AppStr	eam	2.6	MB/s	20 MB	00:08
CentOS Stream 9 - Extras	packages	16	kB/s	19 kB	00:01
Base0S		33	MB/s	2.0 MB	00:00
AppStream		60	MB/s	7.1 MB	00:00
Dependencies resolved.					
Package	Arch	Version		Repository	Siz
========== Installing:	=======	=========	======	=======	=======
httpd	x86_64	2.4.62-1.el9		appstream	47
httpd-core	x86_64	2.4.62-1.el9		appstream	1.5
httpd-devel	x86_64	2.4.62-1.el9		appstream	206
httpd-filesystem	noarch	2.4.62-1.el9		appstream	13
httpd-manual	noarch	2.4.62-1.el9		appstream	2.3
httpd-tools	x86_64	2.4.62-1.el9		appstream	82

cd /:

- **Purpose**: Change the current directory to the root directory (/).
- **Effect**: You move to the top level of the filesystem.

ls:

- **Purpose**: List the contents of the current directory.
- **Effect**: After executing this command while in the root directory, you will see a list of all top-level directories and files, such as bin, etc, home, var, etc.

cd /var/www/html:

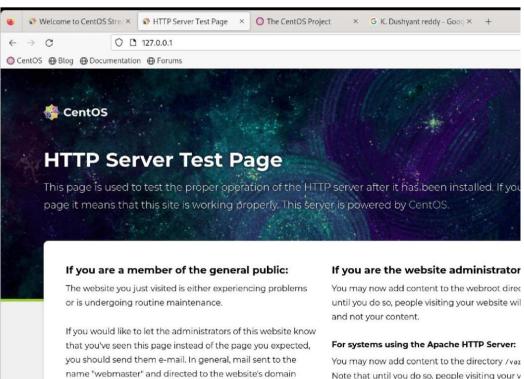
- **Purpose**: Change the current directory to /var/www/html.
- **Effect**: You navigate to the directory typically used as the web root for the Apache HTTP server, where website files are stored.

ls:

• **Purpose**: Again, this lists the contents of the current directory.

```
[root@localhost yum.repos.d]# cd /
[root@localhost /]# ls
afs boot etc lib media opt root sbin sys usr
bin dev home lib64 mnt proc run sry tmp var
[root@localhost /]# cd /var/www/html
[root@localhost html]# ls
[root@localhost html]#
```

```
[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:fea0:cef1 prefixlen 64 scopeid 0x20<link>
       ether 08:00:27:a0:ce:fl txqueuelen 1000 (Ethernet)
       RX packets 59822 bytes 87295229 (83.2 MiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 12359 bytes 1384862 (1.3 MiB)
       TX errors 0 droppdd 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 18 bytes 2112 (2.0 KiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 18 bytes 2112 (2.0 KiB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```



should reach the appropriate person.

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