NAME: ATUL SHARMA

UID: 2021700060

Batch: d4

Date: 24/02/23

AIM: To install and use apache2 server

Apache is the most commonly used Web server on Linux systems. Web servers are used to serve Web pages requested by client computers. Clients typically request and view Web pages using Web browser applications such as Firefox, Opera, Chromium, or Internet Explorer.

Users enter a Uniform Resource Locator (URL) to point to a Web server by means of its Fully Qualified Domain Name (FQDN) and a path to the required resource.

Apache Web Servers are often used in combination with the MySQL database engine, the HyperText Preprocessor (PHP) scripting language, and other popular scripting languages such as Python and Perl. This configuration is termed LAMP (Linux, Apache, MySQL and Perl/Python/PHP) and forms a powerful and robust platform for the development and deployment of Web-based applications.

remove if already apache2 is install

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cntab404@cntab404-Veriton-M200-H110:-

File Edit View Search Terminal Help

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ceading package lists... Done

suilding dependency tree

Reading state infornation... Done

Note, selecting 'apache2-scl-dev' for glob 'apache2*'

Note, selecting 'apache2-scweec-pristine' for glob 'apache2*'

Note, selecting 'apache2-suewec-pristine' for glob 'apache2*'

Note, selecting 'apache2-suewec-pristine' for glob 'apache2*'

Note, selecting 'apache2-suewec-pristine' for glob 'apache2*'

Note, selecting 'apache2-suewec' for glob 'apache2*'

Note, selecting 'apache2-dev' for glob 'apache2*'

Note, selecting 'apache2-doc' for glob 'apa
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Collab404@collab404-Veriton-M200-H110: ~

File Edit View Search Terminal Help
Do you want to continue? [Y/n] y
(Reading database ... 180955 files and directories currently installed.)
Removing apache2 - bin (2.4.29-lubuntu4.26) ...
Removing apache2-bin (2.4.29-lubuntu4.26) ...
dpkg: warning: while removing apache2-bin, directory '/var/lib/apache2' not empty so not removed
Removing apache2-data (2.4.29-lubuntu4.26) ...
Removing apache2-data (2.4.29-lubuntu4.26) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for ufw (0.36-0ubuntu0.18.04.2) ...
cnlab404@cnlab404-Veriton-M200-H110:-$ sudo apt remove --purge apache2
Reading package lists. .. Done
Building dependency tree
Reading package lists. .. Done
The following packages were automatically installed and are no longer required:
    libaprillibaprutill libaprutil-dbd-sqlite3 libaprutil-ldap
Use 'sudo apt autoremove' to remove then.

The following packages will be REMOVED:
    apache2*

9 upgraded, 0 newly installed, 1 to remove and 1 not upgraded.
Affer this operation, 0 8 of additional disk space will be used.
Do you want to continue? [Y/n] y
(Reading database ... 180452 files and directories currently installed.)
Purging configuration files for apache2 (2.4.29-lubuntu4.26) ...
dpkg: warning: while removing apache2, directory '/var/www/html' not empty so not removed
Processing triggers for ureadahead (0.100.0-21) ...
Processing triggers for systemd (237-3ubuntu10.56) ...
Processing triggers for ufw (0.36-0ubuntu0.18.04.2) ...
```

## Installation

The Apache2 web server is available in Ubuntu Linux. To install Apache2:

At a terminal prompt enter the following command:

sudo apt install apache2

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cnlab404@cnlab404-Veriton-M200-H110:- Sudo apt install apache2
Reading package lists... Done
Reading package lists... Done
Reading state information... Done
The following additional packages will be installed:
    apache2-bin apache2-data apache2-utils
Suggested packages:
    apache2-doc apache2-suexec-pristine | apache2-suexec-custom
The following NEW packages will be installed:
    apache2-bin apache2-bin apache2-data apache2-utils
    upraded, 4 newly installed, 0 to renove and 1 not upgraded.
Need to get 1,410 kB of archives.
After this operation, 5,803 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu bionic-updates/main and04 apache2-bin and04 2.4.29-1ubuntu4.26 [1,072 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu bionic-updates/main and04 apache2-utils and04 2.4.29-1ubuntu4.26 [18]
Get:3 http://in.archive.ubuntu.com/ubuntu bionic-updates/main and04 apache2-utils and04 2.4.29-1ubuntu4.26 [18]
Get:4 http://in.archive.ubuntu.com/ubuntu bionic-updates/main and04 apache2-data all 2.4.29-1ubuntu4.26 [18]
Get:4 http://in.archive.ubuntu.com/ubuntu bionic-updates/main and04 apache2-data all 2.4.29-1ubuntu4.26 [18]
Get:4 http://in.archive.ubuntu.com/ubuntu bionic-updates/main and04 apache2-utils and04 2.4.29-1ubuntu4.26 [18]
Get:4 http://in.archive.ubuntu.com/ubuntu bionic-updates/main and04 apache2-utils and04 2.4.29-1ubuntu4.26 [18]
Get:4 http://in.archive.ubuntu.com/ubuntub tonic-updates/main and04 apache2-and04 2.4.29-1ubuntu4.26 [18]
Get:4 http://in.archive.ubuntu.com/ubuntub tonic-updates/main and04 apache2-and04 2.4.29-1ubuntu4.26 [18]
Get:4 http://in.archive.ubuntu-com/ubuntub tonic-updates/main and04 apache2-utils [18]
Get:4 http://in.archive.ubuntu4.26 in 2.2-1ubuntu4.26 [18]
Get:4 http://in.archive.ubuntu4.26 in 2.2-1ubuntu4.26 [18]
Get:4 http://in.archive.ubuntu4.26 in 2.2-1ubuntu4.26 in
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cnlab404@cnlab404-Veriton-M200-H110:-

File Edit View Search Terminal Help

Unpackting apache2 data (2.4.29 inbuntu4.26) ...

selecting previously unselected package apache2.

reparing to unpack ... / lapache2 2.4.29 inbuntu4.26 and64.deb ...

Unpackting apache2 (2.4.29 inbuntu4.26) ...

setting up apache2-bin (2.4.29 inbuntu4.26) ...

setting up apache2-bin (2.4.29 inbuntu4.26) ...

setting up apache2 data (2.4.29 inbuntu4.26) ...

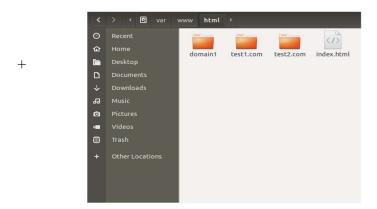
setting
```

# now make the file index.html in desktop

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rile Edit View Search Terminal Help
cnlab#04@cnlab#04-Veriton-M200-H110:-$ sudo rm index.html
[sudo] password for cnlab#04:
rm: cannot remove 'index.html': No such file or directory
cnlab#04@cnlab#04-Veriton-M200-H110:-$ sudo /var/www/html
sudo: /var/www/html: command not found
cnlab#04@cnlab#04-Veriton-M200-H110:-$ cd /var/www/html
cnlab#04@cnlab#04-Veriton-M200-H110:/var/www/html
cnlab#04@cnlab#04-Veriton-M200-H110:/var/www/html$ sudo rm index.html
cnlab#04@cnlab#04-Veriton-M200-H110:/var/www/html$ fconfig
enpis0: flags=103-UP,RROADCAST,RUNNING,MULITCAST> mtu 1500
inet 172.16.41.36 netmask 255.255.255.0 broadcast 172.16.41.255
inet6 fe80: fe24:adf5:13c5:da61 perfixlen 64 scopetd 0x20-link>
ether f4:4d:30:de:d6:62 txqueuelen 1000 (Ethernet)
RX packets 26054 bytes 9043042 (9.0 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 6111 bytes 971001 (971.0 KB)
TX errors 0 dropped overruns 0 frame 0
lo: flags=73-UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
loop txqueuelen 1000 (Local Loopback)
RX packets 359 bytes 34614 (34.6 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 359 bytes 34614 (34.6 KB)
TX errors 0 dropped 0 overruns 0 frame 0
TX packets 359 bytes 34614 (34.6 KB)
TX errors 0 dropped 0 overruns 0 frame 0
TX packets 359 bytes 34614 (34.6 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

nano index.html

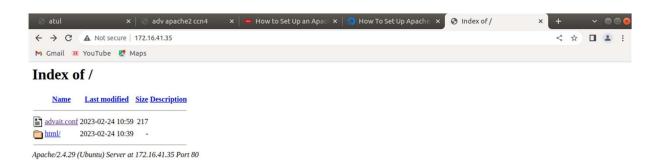
Now move the file from desktop to other locations/computer/var/www/html



on opening file



#### hlw ATUL



## Now making Atul.com file

rtk@rtk-VirtualBox:~/Desktop\$ sudo cp /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/vedanti.com.conf
[sudo] password for rtk: [sudo] password for rtk:

rtk@rtk-VirtualBox:-/Desktop\$ sudo nano /etc/apache2/sites-available/ritk.com.conf

rtk@rtk-VirtualBox:-/Desktop\$ sudo nano /etc/apache2/sites-available/rest.com.conf

rtk@rtk-VirtualBox:-/Desktop\$ sudo nano /etc/apache2/sites-available/test.com.conf

rtk@rtk-VirtualBox:-/Desktop\$ sudo nano /etc/apache2/sites-available/dest.com.conf

rtk@rtk-VirtualBox:-/Desktop\$ sudo nano /etc/apache2/sites-available/000-default.conf /etc/apache2/sites-available/rest.com.conf

rtk@rtk-VirtualBox:-/Desktop\$ sudo azensite vedanti.com.conf

Enabling site vedanti.com.

To activate the new configuration, you need to run:

systemctl reload apache2

rtk@rtk-VirtualBox:-/Desktop\$ sudo systemctl reload apache2

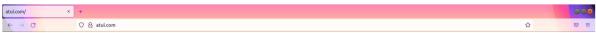
rtk@rtk-VirtualBox:-/Desktop\$ sudo azensite vedanti.com.conf

Site vedanti.com already enabled

rtk@rtk-VirtualBox:-/Desktop\$ sudo azdissite 000-default.conf

Site 000-default already disabled

rtk@rtk-VirtualBox:-/Desktop\$ sudo systemctl restart apache2



# Conclusion:-

I understand the concept of apache2 and able to know how to use commands and by using the IP address of other device I came to know about its html file text.