

# UNIVERSIDAD TECNOLÓGICA DE TORREÓN

## SISTEMAS OPERATIVOS



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## INTRODUCCION:

En este documento llevare a cabo la explicación y documentación sobre los servidores FTP y HTTP respectivamente mediante descripciones e ilustraciones paso a paso de su respectiva configuración

## ¿QUE ES FTP?

Es un protocolo de transferencia estándar que utilizamos en un servidor para transferir datos dentro de una red

## INSTALACION DE UN SERVIDOR FTP

Descargando un servidor FTP en mi maquina virtual:

```
[applecider@10 ~]$ sudo yum install vsftpd
[sudo] password for applecider:
Sorry, try again.
[sudo] password for applecider:
Sorry, try again.
[sudo] password for applecider:
Rocky Linux 9 - BaseOS                10 kB/s | 4.1 kB      00:00
Rocky Linux 9 - BaseOS                3.3 MB/s | 2.2 MB      00:00
Rocky Linux 9 - AppStream              11 kB/s | 4.5 kB      00:00
Rocky Linux 9 - AppStream             3.5 MB/s | 7.9 MB      00:02
Rocky Linux 9 - Extras                 8.2 kB/s | 2.9 kB      00:00
Dependencies resolved.
=====
Package                Architecture  Version           Repository         Size
=====
Installing:
vsftpd                 x86_64       3.0.5-5.el9       appstream          157 k
Transaction Summary
=====
Install 1 Package
```

**vsftpd** en este caso

## Prendiendo e iniciando el servicio

```
Complete!
[applecider@10 ~]$
[applecider@10 ~]$
[applecider@10 ~]$
[applecider@10 ~]$
[applecider@10 ~]$ sudo systemctl enable vsftpd
Created symlink /etc/systemd/system/multi-user.target.wants/vsftpd.service → /usr/lib/systemd/system/vsftpd.service
[applecider@10 ~]$ sudo systemctl start vsftpd
[applecider@10 ~]$
```

## Verificando el estado del servidor:

```
[applecider@10 ~]$ sudo systemctl status vsftpd
● vsftpd.service - Vsftpd ftp daemon
   Loaded: loaded (/usr/lib/systemd/system/vsftpd.service; enabled; pre
   Active: active (running) since Tue 2024-06-04 13:36:19 CST; 6min ago
 Main PID: 3338 (vsftpd)
    Tasks: 1 (limit: 23034)
   Memory: 716.0K
      CPU: 3ms
   CGroup: /system.slice/vsftpd.service
           └─3338 /usr/sbin/vsftpd /etc/vsftpd/vsftpd.conf

Jun 04 13:36:19 10.0.2.15 systemd[1]: Starting Vsftpd ftp daemon...
Jun 04 13:36:19 10.0.2.15 systemd[1]: Started Vsftpd ftp daemon.
```

## Cambiando la dirección IP dentro del rango de mi red local

**Edit Connection**

Profile name `applecider`  
Device `enp0s3 (08:00:27:41:AF:A1)`

= ETHERNET <Show>  
= 802.1X SECURITY <Show>

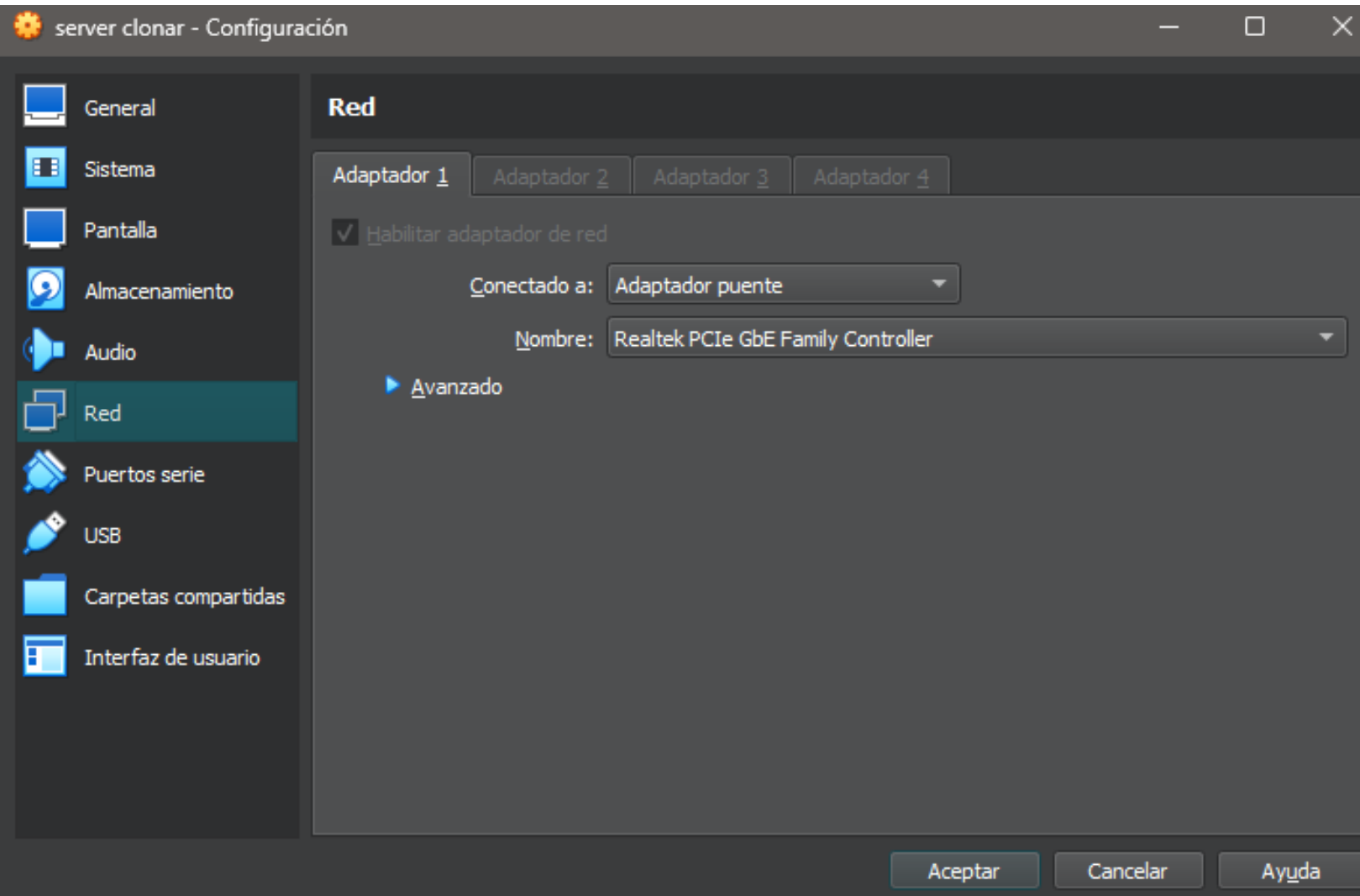
= IPv4 CONFIGURATION <Manual> <Hide>  
Addresses `192.168.1.101/24` <Remove>  
          <Add...>  
Gateway   
DNS servers <Add...>  
Search domains <Add...>

Routing (No custom routes) <Edit...>  
☐ Never use this network for default route  
☐ Ignore automatically obtained routes  
☐ Ignore automatically obtained DNS parameters  
☐ Require IPv4 addressing for this connection

= IPv6 CONFIGURATION <Automatic> <Show>  
☒ Automatically connect  
☒ Available to all users

<Cancel> <OK>

## CAMBIANDO EL TIPO DE ADAPTADOR A PUENTE



## CONECTANDOME AL SERVIDOR FTP MEDIANTE UN CLIENTE

Host: sftp://192.168.1.101 Username: applecider Password: ..... Port: 22 Quickconnect ▼

Status: Waiting to retry...  
Error: Connection attempt interrupted by user  
Status: Connecting to 192.168.1.101...  
Status: Using username "applecider".  
Status: Connected to 192.168.1.101  
Status: Retrieving directory listing...  
Status: Directory listing of "/home/applecider" successful

Local site: C:\Users\pycar\OneDrive\Programing\Respaldo AWEB\html 01-06-24\

- html 01-06-24
- Untitled Folder
- WEBSITE
- videos
- Pictures
- PrintHood
- Recent
- Saved Games
- Searches
- SendTo
- Start Menu

## QUE ES UN SERVIDOR HTTP

Es un tipo de servidor que sirve contenido web a los usuarios, recibe solicitudes de clientes web como navegadores, respondiendo recursos solicitados

## INSTALACION DEL SERVIDOR HTTP

```
[applecider@10 ~]$ sudo yum install httpd
Last metadata expiration check: 0:06:12 ago on Tue 04 Jun 2024 01:33:05 PM CST.
Dependencies resolved.
=====
Package                                Architecture                          Version
=====
Installing:
httpd                                   x86_64                                2.4.57-8.el9
Installing dependencies:
apr                                     x86_64                                1.7.0-12.el9_3
apr-util                               x86_64                                1.6.1-23.el9
apr-util-bdb                           x86_64                                1.6.1-23.el9
httpd-core                             x86_64                                2.4.57-8.el9
httpd-filesystem                       noarch                                2.4.57-8.el9
httpd-tools                            x86_64                                2.4.57-8.el9
rocky-logos-httpd                     noarch                                90.15-2.el9
Installing weak dependencies:
apr-util-openssl                       x86_64                                1.6.1-23.el9
mod_http2                              x86_64                                2.0.26-2.el9_4
mod_lua                                x86_64                                2.4.57-8.el9
Transaction Summary
=====
Install 11 Packages

Total download size: 2.0 M
Installed size: 6.0 M
Is this ok [y/N]: y
```



## PRENDIENDO EL SERVIDOR HTTP

```
[applecider@10 ~]$ sudo systemctl enable httpd.service
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service
[applecider@10 ~]$ sudo systemctl start httpd.service
[applecider@10 ~]$ sudo systemctl status httpd.service
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: d
   Active: active (running) since Tue 2024-06-04 13:41:22 CST; 11s ago
     Docs: man:httpd.service(8)
  Main PID: 3859 (httpd)
    Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Byte
      Tasks: 177 (limit: 23034)
     Memory: 30.4M
        CPU: 72ms
    CGroup: /system.slice/httpd.service
            └─3859 /usr/sbin/httpd -DFOREGROUND
              └─3860 /usr/sbin/httpd -DFOREGROUND
                └─3861 /usr/sbin/httpd -DFOREGROUND
                  └─3862 /usr/sbin/httpd -DFOREGROUND
                    └─3863 /usr/sbin/httpd -DFOREGROUND

Jun 04 13:41:22 10.0.2.15 systemd[1]: Starting The Apache HTTP Server...
Jun 04 13:41:22 10.0.2.15 httpd[3859]: Server configured, listening on: port 8
Jun 04 13:41:22 10.0.2.15 systemd[1]: Started The Apache HTTP Server.
[applecider@10 ~]$
```

## COMPROBANDO EL ESTADO DEL SERVIDOR HTTP



Activities Firefox Jun 4 13:45

HTTP Server Test Page power x Firefox Privacy Notice — 1 x +

127.0.0.1 80% ☆

Rocky Linux Rocky Wiki Rocky Forums Rocky Mattermost Rocky Reddit

### HTTP Server Test Page

This page is used to test the proper operation of an HTTP server after it has been installed on a Rocky Linux system. If you can read this page, it means that the software is working correctly.

#### Just visiting?

This website you are visiting is either experiencing problems or could be going through maintenance.

If you would like the let the administrators of this website know that you've seen this page instead of the page you've expected, you should send them an email. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.

The most common email address to send to is:  
**"webmaster@example.com"**

#### Note:

The Rocky Linux distribution is a stable and reproduceable platform based on the sources of Red Hat Enterprise Linux (RHEL). With this in mind, please understand that:

- Neither the **Rocky Linux Project** nor the **Rocky Enterprise Software Foundation** have anything to do with this website or its content.
- The Rocky Linux Project nor the **RESF** have "hacked" this webserver: This test page is included with the distribution.

For more information about Rocky Linux, please visit the [Rocky Linux website](#).

#### I am the admin, what do I do?

You may now add content to the webroot directory for your software.

**For systems using the Apache Webserver:** You can add content to the directory `/var/www/html/`. Until you do so, people visiting your website will see this page. If you would like this page to not be shown, follow the instructions in: `/etc/httpd/conf./welcome.conf`.

**For systems using Nginx:** You can add your content in a location of your choice and edit the `root` configuration directive in `/etc/nginx/nginx.conf`.

POWERED BY ROCKY LINUX

POWERED BY APACHE

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Nginx™ is a registered trademark of F5 Networks, Inc.



DANDO LOS PERMISOS NECESARIOS A LA CARPETA DEL SERVIDOR

```
@2806-101e-000d-a802-0a00-27ff-fe41-afa1 ~]$ cd ../../
@2806-101e-000d-a802-0a00-27ff-fe41-afa1 /]$ ls
etc  lib  media  opt  root  sbin  sys  usr
home lib64 mnt  proc  run  srv  tmp  var
@2806-101e-000d-a802-0a00-27ff-fe41-afa1 /]$ cd var
@2806-101e-000d-a802-0a00-27ff-fe41-afa1 var]$ cd www/
@2806-101e-000d-a802-0a00-27ff-fe41-afa1 www]$ ls
ml
@2806-101e-000d-a802-0a00-27ff-fe41-afa1 www]$ sudo chmod -R 777 html/
word for applecider: 
```

TRANFIRIENDO MI PROYECTO WEB MEDIANTE FTP

Remote site: /home/applecider

?

 /

?

 home

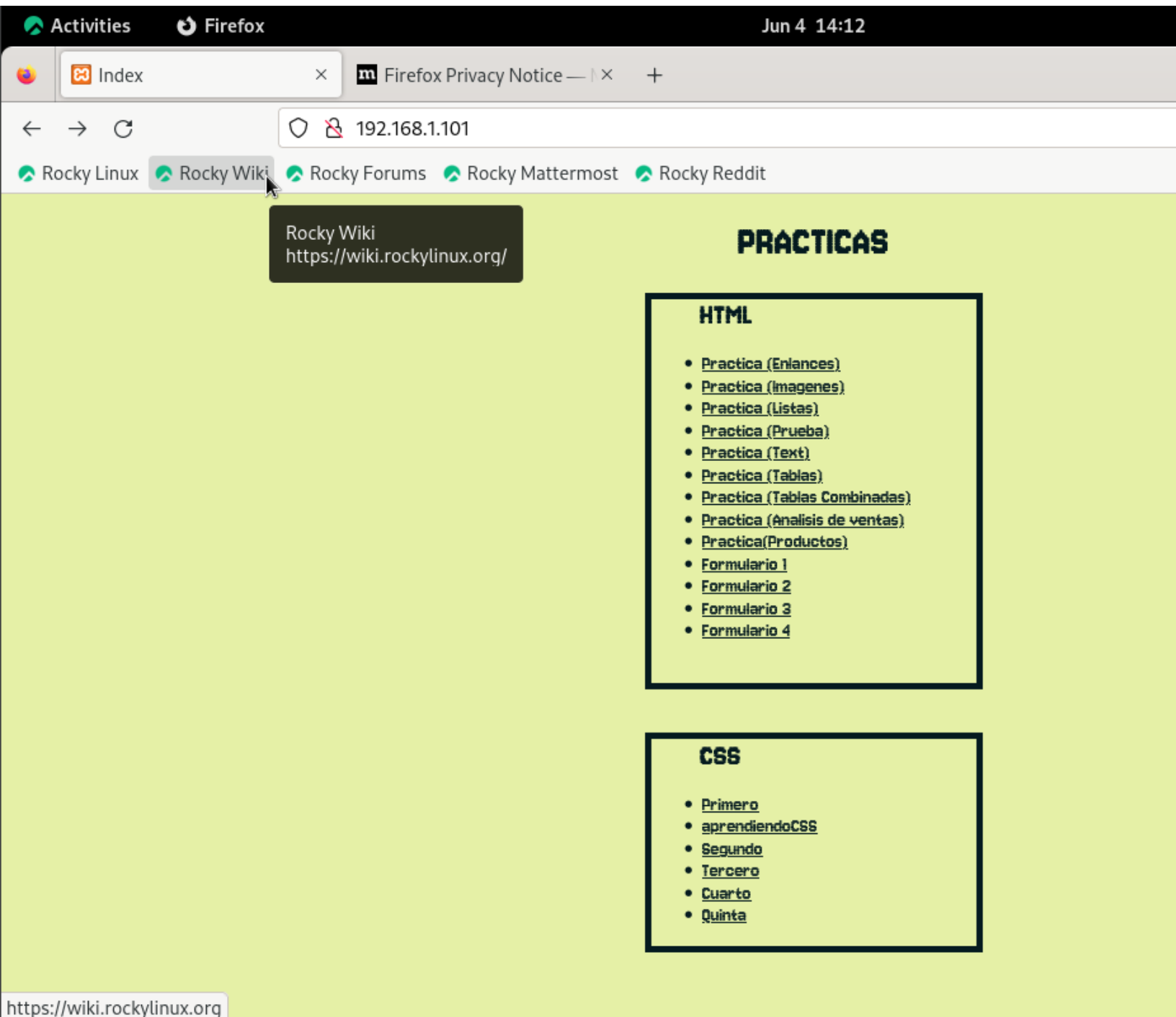
+

 applecider

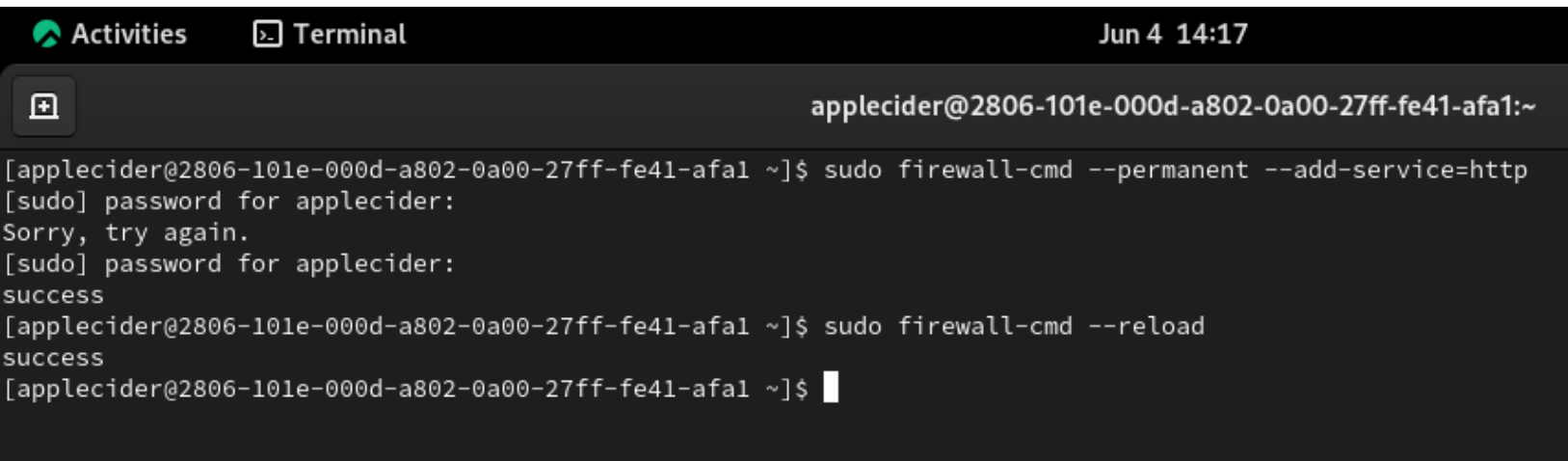
Filename	Filesize	Filetype	Last modified	Permissions	Owner/Group
..					
.cache		File folder	04/06/2024 01:...	drwx-----	applecider a...
.config		File folder	24/05/2024 12:...	drwx-----	applecider a...
.local		File folder	22/05/2024 06:...	drwx-----	applecider a...
.mozilla		File folder	04/06/2024 01:...	drwxr-xr-x	applecider a...
Desktop		File folder	22/05/2024 06:...	drwxr-xr-x	applecider a...
Documents		File folder	22/05/2024 06:...	drwxr-xr-x	applecider a...
Downloads		File folder	22/05/2024 06:...	drwxr-xr-x	applecider a...
Music		File folder	22/05/2024 06:...	drwxr-xr-x	applecider a...
Pictures		File folder	22/05/2024 06:...	drwxr-xr-x	applecider a...
Public		File folder	22/05/2024 06:...	drwxr-xr-x	applecider a...
Templates		File folder	22/05/2024 06:...	drwxr-xr-x	applecider a...
Videos		File folder	22/05/2024 06:...	drwxr-xr-x	applecider a...
.bash_history	1,868	BASH_HIST...	04/06/2024 01:...	-rw-----	applecider a...

6 files and 12 directories. Total size: 2,605 bytes

## VERIFICANDO MI PROYECTO WEB EN EL SERVIDOR LOCAL



## OTORGANDO LOS PERMISOS NECESARIOS PARA EL SERVIDOR HTTP SEA VISIBLE EN RED LOCAL



```
Activities Terminal Jun 4 14:17
applecider@2806-101e-000d-a802-0a00-27ff-fe41-afa1:~
[applecider@2806-101e-000d-a802-0a00-27ff-fe41-afa1 ~]$ sudo firewall-cmd --permanent --add-service=http
[sudo] password for applecider:
Sorry, try again.
[sudo] password for applecider:
success
[applecider@2806-101e-000d-a802-0a00-27ff-fe41-afa1 ~]$ sudo firewall-cmd --reload
success
[applecider@2806-101e-000d-a802-0a00-27ff-fe41-afa1 ~]$
```

## VERIFICANDO EN RED LOCAL MI PROYECTO WEB DESDE EL SERVIDOR

