

## Análisis de Vulnerabilidades

“Actividad 1.5 - PRACTICA 1: Instalar servidor web y crear  
página web con React”



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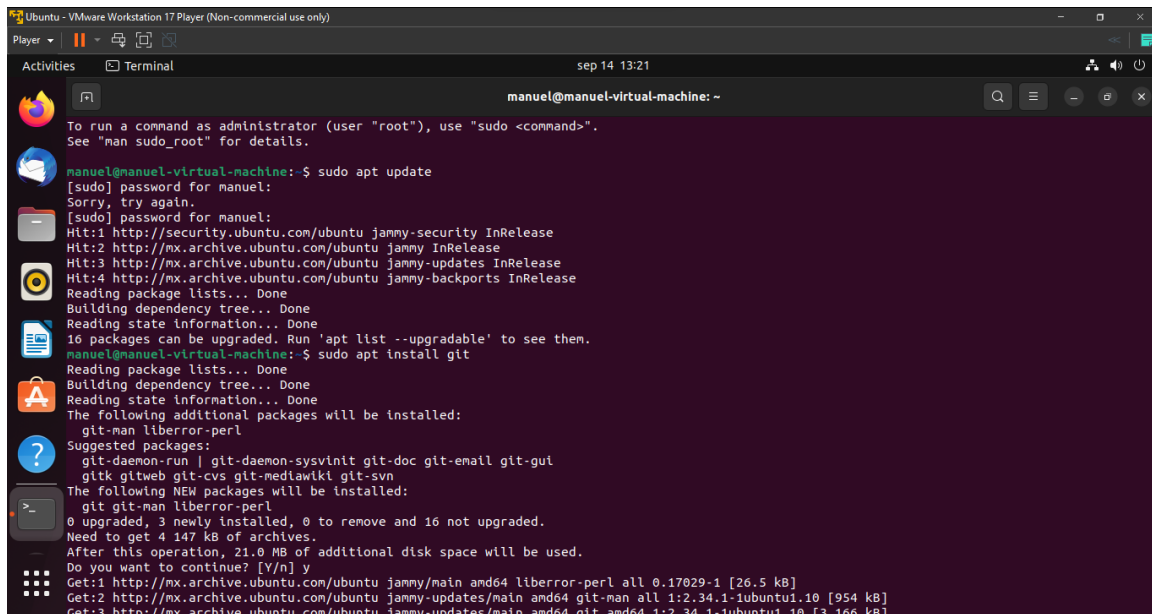
## Comandos para la descarga e instalación de dependencias en Ubuntu

git:

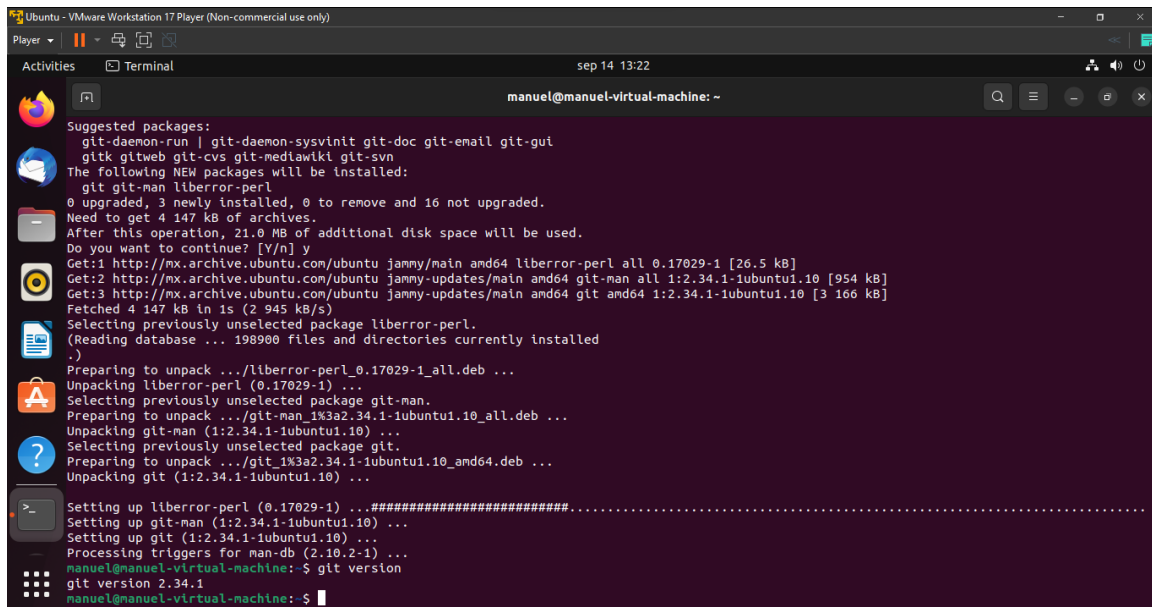
sudo apt update

sudo apt install git

git --version



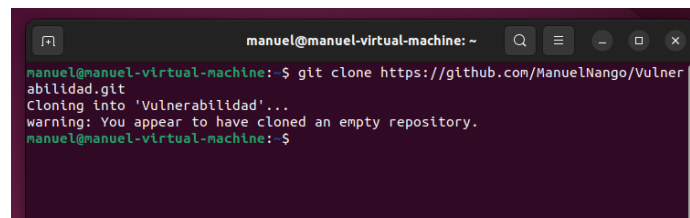
```
manuel@manuel-virtual-machine: ~  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
manuel@manuel-virtual-machine:~$ sudo apt update  
[sudo] password for manuel:  
Sorry, try again.  
[sudo] password for manuel:  
Hit:1 http://security.ubuntu.com/ubuntu jammy-security InRelease  
Hit:2 http://mx.archive.ubuntu.com/ubuntu jammy InRelease  
Hit:3 http://mx.archive.ubuntu.com/ubuntu jammy-updates InRelease  
Hit:4 http://mx.archive.ubuntu.com/ubuntu jammy-backports InRelease  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
16 packages can be upgraded. Run 'apt list --upgradable' to see them.  
manuel@manuel-virtual-machine:~$ sudo apt install git  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following additional packages will be installed:  
  git-man liberror-perl  
Suggested packages:  
  git-daemon-run | git-daemon-sysvinit git-doc git-email git-gui  
  gitk gitweb git-cvs git-mediawiki git-svn  
The following NEW packages will be installed:  
  git git-man liberror-perl  
0 upgraded, 3 newly installed, 0 to remove and 16 not upgraded.  
Need to get 4 147 kB of archives.  
After this operation, 21.0 MB of additional disk space will be used.  
Do you want to continue? [Y/n] y  
Get:1 http://mx.archive.ubuntu.com/ubuntu jammy/main amd64 liberror-perl all 0.17029-1 [26.5 kB]  
Get:2 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 git-man all 1:2.34.1-1ubuntu1.10 [954 kB]  
Get:3 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 git amd64 1:2.34.1-1ubuntu1.10 [3 166 kB]
```



```
Get:1 http://mx.archive.ubuntu.com/ubuntu jammy/main amd64 liberror-perl all 0.17029-1 [26.5 kB]  
Get:2 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 git-man all 1:2.34.1-1ubuntu1.10 [954 kB]  
Get:3 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 git amd64 1:2.34.1-1ubuntu1.10 [3 166 kB]  
Fetched 4 147 kB in 1s (2 945 kB/s)  
Selecting previously unselected package liberror-perl.  
(Reading database ... 198900 files and directories currently installed.)  
Preparing to unpack .../liberror-perl_0.17029-1_all.deb ...  
Unpacking liberror-perl (0.17029-1) ...  
Selecting previously unselected package git-man.  
Preparing to unpack .../git-man_1:2.34.1-1ubuntu1.10_all.deb ...  
Unpacking git-man (1:2.34.1-1ubuntu1.10) ...  
Selecting previously unselected package git.  
Preparing to unpack .../git_1:2.34.1-1ubuntu1.10_amd64.deb ...  
Unpacking git (1:2.34.1-1ubuntu1.10) ...  
Setting up liberror-perl (0.17029-1) ...  
Setting up git-man (1:2.34.1-1ubuntu1.10) ...  
Setting up git (1:2.34.1-1ubuntu1.10) ...  
Processing triggers for man-db (2.10.2-1) ...  
manuel@manuel-virtual-machine:~$ git version  
git version 2.34.1  
manuel@manuel-virtual-machine:~$
```

## Añadir el proyecto:

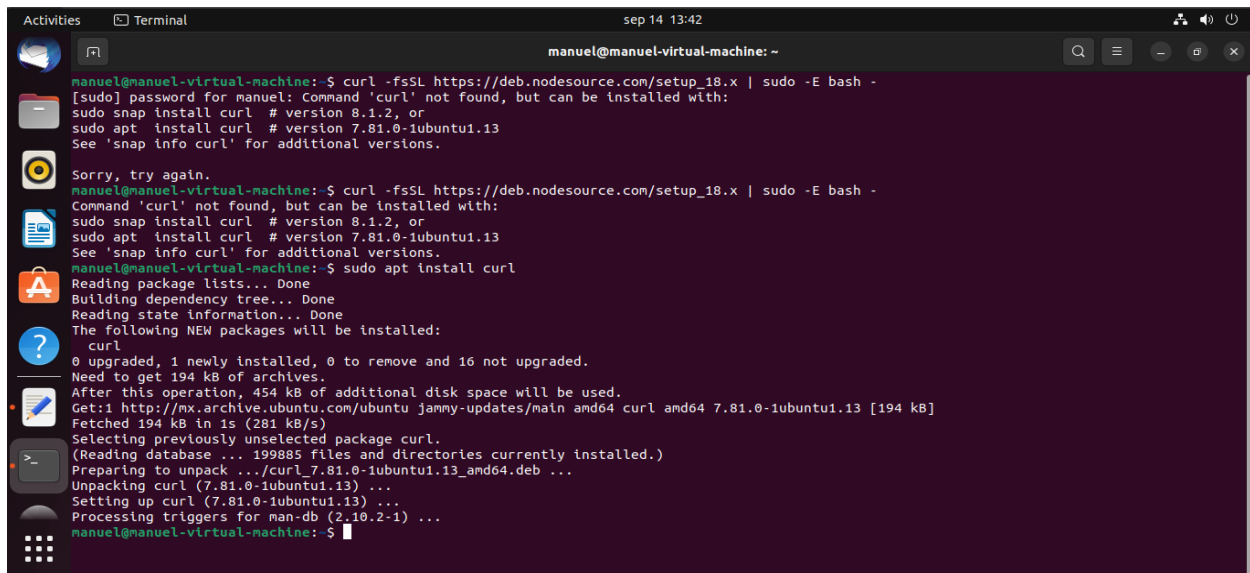
git clone <https://github.com/ManuelNango/Vulnerabilidad.git>



```
manuel@manuel-virtual-machine: ~  
manuel@manuel-virtual-machine:~$ git clone https://github.com/ManuelNango/Vulnerabilidad.git  
Cloning into 'Vulnerabilidad'...  
warning: You appear to have cloned an empty repository.  
manuel@manuel-virtual-machine:~$
```

## Instalar CURL (En caso de no tenerlo, para poder instalar Node JS, si no marca el siguiente error):

sudo apt install curl



```
manuel@manuel-virtual-machine:~$ curl -fsSL https://deb.nodesource.com/setup_18.x | sudo -E bash -  
[sudo] password for manuel: Command 'curl' not found, but can be installed with:  
sudo snap install curl # version 8.1.2, or  
sudo apt install curl # version 7.81.0-1ubuntu1.13  
See 'snap info curl' for additional versions.  
Sorry, try again.  
manuel@manuel-virtual-machine:~$ curl -fsSL https://deb.nodesource.com/setup_18.x | sudo -E bash -  
Command 'curl' not found, but can be installed with:  
sudo snap install curl # version 8.1.2, or  
sudo apt install curl # version 7.81.0-1ubuntu1.13  
See 'snap info curl' for additional versions.  
manuel@manuel-virtual-machine:~$ sudo apt install curl  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following NEW packages will be installed:  
  curl  
0 upgraded, 1 newly installed, 0 to remove and 16 not upgraded.  
Need to get 194 kB of archives.  
After this operation, 454 kB of additional disk space will be used.  
Get:1 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 curl amd64 7.81.0-1ubuntu1.13 [194 kB]  
Fetched 194 kB in 1s (281 kB/s)  
Selecting previously unselected package curl.  
(Reading database ... 199885 files and directories currently installed.)  
Preparing to unpack .../curl_7.81.0-1ubuntu1.13_amd64.deb ...  
Unpacking curl (7.81.0-1ubuntu1.13) ...  
Setting up curl (7.81.0-1ubuntu1.13) ...  
Processing triggers for man-db (2.10.2-1) ...  
manuel@manuel-virtual-machine:~$
```

## Node JS

curl -fsSL [https://deb.nodesource.com/setup\\_18.x](https://deb.nodesource.com/setup_18.x) | sudo -E bash -

sudo apt-get install -y nodejs

node -v

Primero sale este aviso, pero luego comienza la instalación de Node JS

```
manuel@manuel-virtual-machine: ~  
  
This script, located at https://deb.nodesource.com/setup\_X, used to  
install Node.js is deprecated now and will eventually be made inactive.  
  
Please visit the NodeSource distributions Github and follow the  
instructions to migrate your repo.  
https://github.com/nodesource/distributions  
  
The NodeSource Node.js Linux distributions Github repository contains  
information about which versions of Node.js and which Linux distributions  
are supported and how to install it.  
https://github.com/nodesource/distributions  
  
===== SCRIPT DEPRECATION WARNING =====  
===== TO AVOID THIS WAIT MIGRATE THE SCRIPT =====  
Continuing in 60 seconds (press Ctrl-C to abort) ...
```

```
manuel@manuel-virtual-machine: ~  
===== TO AVOID THIS WAIT MIGRATE THE SCRIPT =====  
Continuing in 60 seconds (press Ctrl-C to abort) ...  
  
## Installing the NodeSource Node.js 18.x repo...  
  
## Populating apt-get cache...  
  
+ apt-get update  
Hit:1 http://mx.archive.ubuntu.com/ubuntu jammy InRelease  
Get:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]  
Get:3 http://mx.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]  
Hit:4 http://mx.archive.ubuntu.com/ubuntu jammy-backports InRelease  
Get:5 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main i386 Packages [485  
kB]  
Get:6 http://mx.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [973  
kB]  
Get:7 http://mx.archive.ubuntu.com/ubuntu jammy-updates/universe i386 Packages [853  
kB]  
Get:8 http://mx.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [981  
kB]  
Fetched 3 322 kB in 4s (761 kB/s)  
Reading package lists... Done  
  
## Confirming "jammy" is supported...  
  
+ curl -sLf -o /dev/null 'https://deb.nodesource.com/node_18.x/dists/jammy/Rele
```

```
manuel@manuel-virtual-machine: ~  
  
## Creating apt sources list file for the NodeSource Node.js 18.x repo...  
  
+ echo 'deb [signed-by=/usr/share/keyrings/nodesource.gpg] https://deb.nodesourc  
e.com/node_18.x jammy main' > /etc/apt/sources.list.d/nodesource.list  
+ echo 'deb-src [signed-by=/usr/share/keyrings/nodesource.gpg] https://deb.nodes  
ource.com/node_18.x jammy main' >> /etc/apt/sources.list.d/nodesource.list  
  
## Running 'apt-get update' for you...  
  
+ apt-get update  
Hit:1 http://mx.archive.ubuntu.com/ubuntu jammy InRelease  
Hit:2 http://mx.archive.ubuntu.com/ubuntu jammy-updates InRelease  
Hit:3 http://security.ubuntu.com/ubuntu jammy-security InRelease  
Hit:4 http://mx.archive.ubuntu.com/ubuntu jammy-backports InRelease  
Get:5 https://deb.nodesource.com/node_18.x jammy InRelease [4 563 B]  
Get:6 https://deb.nodesource.com/node_18.x jammy/main amd64 Packages [776 B]  
Fetched 5 339 B in 3s (1 753 B/s)  
Reading package lists... Done  
  
## Run 'sudo apt-get install -y nodejs' to install Node.js 18.x and npm  
## You may also need development tools to build native addons:  
sudo apt-get install gcc g++ make  
## To install the Yarn package manager, run:  
curl -sL https://dl.yarnpkg.com/debian/pubkey.gpg | gpg --dearmor | sudo tee  
/usr/share/keyrings/yarnkey.gpg >/dev/null  
echo "deb [signed-by=/usr/share/keyrings/yarnkey.gpg] https://dl.yarnpkg.co  
m/debian stable main" | sudo tee /etc/apt/sources.list.d/yarn.list  
sudo apt-get update && sudo apt-get install yarn  
  
manuel@manuel-virtual-machine: $
```

```
manuel@manuel-virtual-machine: ~  
  
sudo apt-get update && sudo apt-get install yarn  
  
manuel@manuel-virtual-machine:~$ sudo apt-get install -y nodejs  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following NEW packages will be installed:  
 nodejs  
0 upgraded, 1 newly installed, 0 to remove and 7 not upgraded.  
Need to get 28.9 MB of archives.  
After this operation, 188 MB of additional disk space will be used.  
Get:1 https://deb.nodesource.com/node_18.x jammy/main amd64 nodejs amd64 18.17.1  
-deb-1nodesource1 [28.9 MB]  
Fetched 28.9 MB in 3s (10.1 MB/s)  
Selecting previously unselected package nodejs.  
(Reading database ... 199892 files and directories currently installed.)  
Preparing to unpack .../nodejs_18.17.1-deb-1nodesource1_amd64.deb ...  
Unpacking nodejs (18.17.1-deb-1nodesource1) ...  
Setting up nodejs (18.17.1-deb-1nodesource1) ...  
Processing triggers for man-db (2.10.2-1) ...  
manuel@manuel-virtual-machine:~$ nodejs -v  
Command 'nodejs' not found, but can be installed with:  
sudo apt install nodejs  
manuel@manuel-virtual-machine:~$ node -v  
v18.17.1  
manuel@manuel-virtual-machine:~$
```

para ver la versión de Node usar: **node -v** porque **nodejs -v** no funciona

## NPM

sudo apt install npm

npm -v

npm install @mui/material

npm install @emotion/styled

npm install @fontsource/roboto

npm install @mui/icons-material

npm install @mui/lab notistack

npm install @types/node -D

npm install react-material-ui-carousel --> website:  
<https://learus.github.io/react-material-ui-carousel/>

npm install pdfjs-dist@3.4.120

npm install @react-pdf-viewer/core

@react-pdf-viewer/default-layout

```
manuel@manuel-virtual-machine: ~  
manuel@manuel-virtual-machine:~$ sudo apt install npm  
[sudo] password for manuel:  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
Some packages could not be installed. This may mean that you have  
requested an impossible situation or if you are using the unstable  
distribution that some required packages have not yet been created  
or been moved out of Incoming.  
The following information may help to resolve the situation:  
  
The following packages have unmet dependencies:  
npm : Depends: node-agent-base but it is not going to be installed  
       Depends: node-aproba but it is not going to be installed  
       Depends: node-archy but it is not going to be installed  
       Depends: node-cacache but it is not going to be installed  
       Depends: node-chalk but it is not going to be installed  
       Depends: node-cli-table3  
       Depends: node-colors but it is not going to be installed  
       Depends: node-columnify but it is not going to be installed  
       Depends: node-debug but it is not going to be installed  
       Depends: node-emoji-regex  
       Depends: node-got but it is not going to be installed  
       Depends: node-graceful-fs but it is not going to be installed  
       Depends: node-gyp but it is not going to be installed  
       Depends: node-https-proxy-agent but it is not going to be installed  
       Depends: node-mkdirp but it is not going to be installed
```

```
manuel@manuel-virtual-machine: ~  
* (HEAD detached at FETCH_HEAD)  
master  
=> Compressing and cleaning up git repository  
  
=> Appending nvm source string to /home/manuel/.bashrc  
=> Appending bash_completion source string to /home/manuel/.bashrc  
=> Close and reopen your terminal to start using nvm or run the following to use it now:  
  
export NVM_DIR="$HOME/.nvm"  
[ -s "$NVM_DIR/nvm.sh" ] && \. "$NVM_DIR/nvm.sh" # This loads nvm  
[ -s "$NVM_DIR/bash_completion" ] && \. "$NVM_DIR/bash_completion" # This loads nvm bash_completion  
manuel@manuel-virtual-machine:~$ source ~/.bashrc o source ~/.zshrc  
manuel@manuel-virtual-machine:~$ nvm install --lts  
Installing latest LTS version.  
Downloading and installing node v18.17.1...  
Downloading https://nodejs.org/dist/v18.17.1/node-v18.17.1-linux-x64.tar.xz...  
##### 100.0%  
Computing checksum with sha256sum  
Checksums matched!  
Now using node v18.17.1 (npm v9.6.7)  
Creating default alias: default -> lts/* (-> v18.17.1)  
manuel@manuel-virtual-machine:~$ node -v  
v18.17.1  
manuel@manuel-virtual-machine:~$ npm -v  
9.6.7  
manuel@manuel-virtual-machine:~$
```