

**MATERIA: Graficos y visualización**

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Primero creamos una máquina virtual en azure.

Descargamos la clave, y pusimos la dirección en donde se guardó.

Finalmente, asumamos el comando 4. Para conectar la máquina virtual.



Ahora instalamos los servicios necesarios:

- npm create vite@latest
- [20:10]
- npm run build
- [20:10]
- cd dist
- [20:10]
- pwd
- [20:10]
- cd /etc/nginx/sites-available/ nano default



```
C:\Users\Usuario>ssh -i C:\Users\Usuario\Downloads\pucem1_key.pem azureuser@74.249.81.51
The authenticity of host '74.249.81.51 (74.249.81.51)' can't be established.
ED25519 key fingerprint is SHA256:g/7D/82lq+m6f4C9dC9sbMM6Xc1YTuu9xlwfaBjbXXg.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '74.249.81.51' (ED25519) to the list of known hosts.
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1038-azure x86_64)
```

```
* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/advantage
```

System information as of Wed May 31 22:36:59 UTC 2023

```
System load:  0.0      Processes:            102
Usage of /:   5.2% of 28.89GB   Users logged in:     0
Memory usage: 29%      IPv4 address for eth0: 10.0.0.4
Swap usage:   0%
```

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.  
See <https://ubuntu.com/esm> or run: `sudo pro status`

The list of available updates is more than a week old.

```
azureuser@pucem1:~$ sudo apt-get install -y nodejs
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  nodejs
0 upgraded, 1 newly installed, 0 to remove and 27 not upgraded.
Need to get 28.7 MB of archives.
After this operation, 187 MB of additional disk space will be used.
Get:1 https://deb.nodesource.com/node_18.x focal/main amd64 nodejs amd64 18.16.0-deb-1nodesource1 [28.7 MB]
Fetched 28.7 MB in 0s (70.3 MB/s)
Selecting previously unselected package nodejs.
(Reading database ... 58706 files and directories currently installed.)
Preparing to unpack .../nodejs_18.16.0-deb-1nodesource1_amd64.deb ...
Unpacking nodejs (18.16.0-deb-1nodesource1) ...
Setting up nodejs (18.16.0-deb-1nodesource1) ...
Processing triggers for man-db (2.9.1-1) ...
azureuser@pucem1:~$ sudo npm install -g npm@latest

removed 1 package, and changed 62 packages in 3s

27 packages are looking for funding
  run `npm fund` for details
azureuser@pucem1:~$ sudo apt update
Hit:1 http://azure.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu focal-updates InRelease
```



```

azureuser@pucem1: ~
Selecting previously unselected package nginx.
Preparing to unpack .../16-nginx_1.18.0-0ubuntu1.4_all.deb ...
Unpacking nginx (1.18.0-0ubuntu1.4) ...
Setting up libxpm4:amd64 (1:3.5.12-1ubuntu0.20.04.1) ...
Setting up nginx-common (1.18.0-0ubuntu1.4) ...
Created symlink /etc/systemd/system/multi-user.target.wants/nginx.serv
Setting up libjbig0:amd64 (2.1-3.1ubuntu0.20.04.1) ...
Setting up libnginx-mod-http-xslt-filter (1.18.0-0ubuntu1.4) ...
Setting up libwebp6:amd64 (0.6.1-2ubuntu0.20.04.2) ...
Setting up fonts-dejavu-core (2.37-1) ...
Setting up libjpeg-turbo8:amd64 (2.0.3-0ubuntu1.20.04.3) ...
Setting up libjpeg8:amd64 (8c-2ubuntu8) ...
Setting up libnginx-mod-mail (1.18.0-0ubuntu1.4) ...
Setting up fontconfig-config (2.13.1-2ubuntu3) ...
Setting up libnginx-mod-stream (1.18.0-0ubuntu1.4) ...
Setting up libtiff5:amd64 (4.1.0+git191117-2ubuntu0.20.04.8) ...
Setting up libfontconfig1:amd64 (2.13.1-2ubuntu3) ...
Setting up libgd3:amd64 (2.2.5-5.2ubuntu2.1) ...
Setting up libnginx-mod-http-image-filter (1.18.0-0ubuntu1.4) ...
Setting up nginx-core (1.18.0-0ubuntu1.4) ...
Setting up nginx (1.18.0-0ubuntu1.4) ...
Processing triggers for ufw (0.36-6ubuntu1) ...
Processing triggers for systemd (245.4-4ubuntu3.21) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
azureuser@pucem1:~$ npm create vite@latest
Need to install the following packages:
  create-vite@4.3.2
Ok to proceed? (y) y
? Project name: > azure01

```

Ahora usamos

Los comandamos que nos aparecen a continuación:

cd azure 01 "Para acceder a la ruta"

npm install "para hacer la instalación"

npm run dev "para correr el servicio"

```

azureuser@pucem1:~$ npm create vite@latest
Need to install the following packages:
  create-vite@4.3.2
Ok to proceed? (y) y
✓ Project name: ... azure01
✓ Select a framework: > React
✓ Select a variant: > JavaScript + SWC

Scaffolding project in /home/azureuser/azure01...

Done. Now run:

  cd azure01
  npm install
  npm run dev

azureuser@pucem1:~$ cd azure01
azureuser@pucem1:~/azure01$ npm install
( [REDACTED] ) ! reify:swc/core-darwin-arm64: timing reifyNode:node_modules/@swc/core-darwin-x64 Completed in 54

```



```
azureuser@pucem1:~/azure01$ npm run build
```

```
> azure01@0.0.0 build
> vite build
```

```
vite v4.3.9 building for production...
```

```
✓ 34 modules transformed.
```

dist/index.html	0.45 kB		gzip: 0.30 kB
dist/assets/react-35ef61ed.svg	4.13 kB		gzip: 2.14 kB
dist/assets/index-d526a0c5.css	1.42 kB		gzip: 0.74 kB
dist/assets/index-e92ae01e.js	143.41 kB		gzip: 46.10 kB

```
✓ built in 2.03s
```

```
azureuser@pucem1:~/azure01$ |
```

Ahora ya tenemos los servicios levantados, y finalmente solo nos queda modificar un poco la página web para dejar marca que lo hicimos nosotros:

```
> azure01@0.0.0 build
> vite build
```

```
vite v4.3.9 building for production...
```

```
✓ 34 modules transformed.
```

dist/index.html	0.45 kB		gzip: 0.30 kB
dist/assets/react-35ef61ed.svg	4.13 kB		gzip: 2.14 kB
dist/assets/index-d526a0c5.css	1.42 kB		gzip: 0.74 kB
dist/assets/index-e92ae01e.js	143.41 kB		gzip: 46.10 kB

```
✓ built in 2.03s
```

```
azureuser@pucem1:~/azure01$ cd dist
```

```
azureuser@pucem1:~/azure01/dist$ pwd
```

```
/home/azureuser/azure01/dist
```

```
azureuser@pucem1:~/azure01/dist$ cd /etc/nginx/sites-available/
```

```
azureuser@pucem1:/etc/nginx/sites-available$ sudo nano default
```

```
azureuser@pucem1:/etc/nginx/sites-available$ sudo service nginx restart
```

```
azureuser@pucem1:/etc/nginx/sites-available$ sudo service nginx start
```

```
azureuser@pucem1:/etc/nginx/sites-available$ |
```

Ahora con las modificaciones hechas en el formato html, las guardamos, pusimos el comando “npm run build” y se aplicaron los cambios



## CHRISTIAN & JUAN JOSE

count is 0

Edit src/App.jsx and save to test HMR

PROYECTO AZURE01 c

Para realizar lo mismo, pero con “VUE”

Realizamos todos los pasos anteriores,  
(incluyendo hacer una nueva máquina virtual y  
cambiar el nombre del archivo a “azure05”)  
pero a la hora de elegir con que servicio  
trabajar, elegimos Vue en vez de React.

```
sudo apt-get update && sudo apt-get install yarn

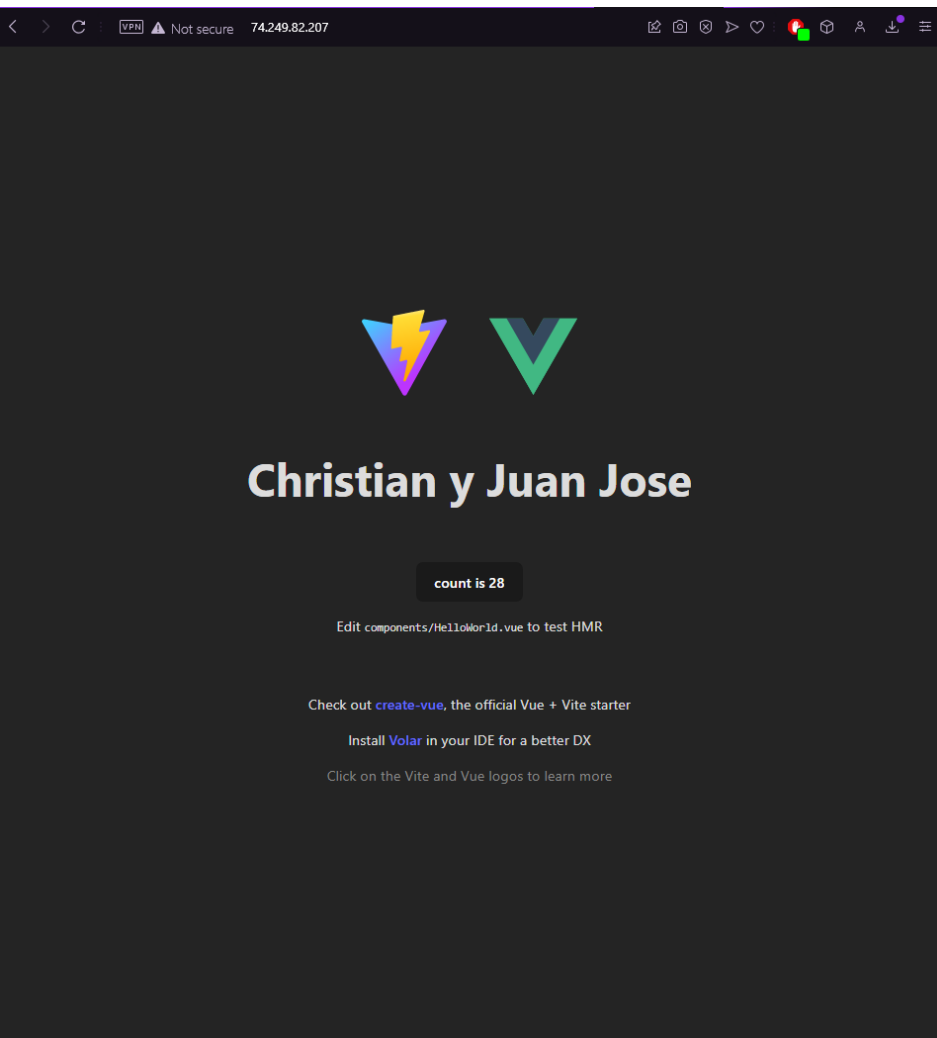
Project name: ... vite-project
? Select a framework: > - Use arrow-keys. Return to submit.
  Vanilla
  Vue
  React
  Preact
  Lit
  Svelte
  Others
```



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MANABÍ

Con el HTML modificado con los mismos pasos  
que hicimos anteriormente para React,  
quedaría algo así:



```
VITE v4.3.9 ready in 311 ms
  Local: http://localhost:5173/
  Network: use --host to expose
  press h to show help

Shortcuts
press r to restart the server
press u to show server url
press o to open in browser
press c to clear console
press q to quit
azureuser@azure05:~/azure05$ npm run build

> azure05@0.0.0 build
> vite build

vite v4.3.9 building for production...
  16 modules transformed.
  dist/index.html 0.45 kB | gzip: 0.30 kB
  dist/assets/vue-5532db34.svg 0.50 kB | gzip: 0.31 kB
  dist/assets/index-fc5f319f.css 1.30 kB | gzip: 0.67 kB
  dist/assets/index-d7bd537c.js 51.54 kB | gzip: 20.90 kB
  built in 1.63s
azureuser@azure05:~/azure05$ cd dist
azureuser@azure05:~/azure05/dist$ pwd
/home/azureuser/azure05/dist
azureuser@azure05:~/azure05/dist$ sudo nano default
azureuser@azure05:~/azure05/dist$ cd /etc/nginx/sites-available/
azureuser@azure05:/etc/nginx/sites-available$ sudo nano default
azureuser@azure05:/etc/nginx/sites-available$ sudo service nginx restart
azureuser@azure05:/etc/nginx/sites-available$ sudo service nginx start
azureuser@azure05:/etc/nginx/sites-available$ cd
azureuser@azure05:~$ ls
azure05
azureuser@azure05:~$ cd azure05
azureuser@azure05:~/azure05$ cd src
azureuser@azure05:~/azure05/src$ ls
App.vue assets components main.js style.css
azureuser@azure05:~/azure05/src$ main.js
main.js: command not found
azureuser@azure05:~/azure05/src$ main.js style.css
main.js: command not found
azureuser@azure05:~/azure05/src$ sudo nano App.view
azureuser@azure05:~/azure05/src$ sudo nano App.vue
azureuser@azure05:~/azure05/src$ npm run build

> azure05@0.0.0 build
> vite build

vite v4.3.9 building for production...
  16 modules transformed.
  dist/index.html 0.45 kB | gzip: 0.30 kB
  dist/assets/vue-5532db34.svg 0.50 kB | gzip: 0.31 kB
  dist/assets/index-47b9c1df.css 1.30 kB | gzip: 0.67 kB
  dist/assets/index-19a24e8b.js 51.55 kB | gzip: 20.92 kB
  built in 1.61s
azureuser@azure05:~/azure05/src$
```