



Laboratorio 2b

Administración de Redes

Sergio Sebastián Pezo Jimenez - 20224087G

Parte 1

Ejecutamos nuestra VM DEVASC.

Parte 2

Verificamos la versión de python ya instalada y el entorno local.

```
devasc@labvm: ~  
File Edit View Search Terminal Help  
devasc@labvm:~$ python3 -V  
Python 3.8.2  
devasc@labvm:~$ which python3  
/usr/bin/python3  
devasc@labvm:~$
```

Parte 3

Paso 1: Creamos un entorno virtual.

```
devasc@labvm: ~/labs/devnet-src/python
File Edit View Search Terminal Help
devasc@labvm:~$ ls
Desktop Documents Downloads labs snap
devasc@labvm:~$ cd labs
devasc@labvm:~/labs$ ls
devnet-src
devasc@labvm:~/labs$ cd devnet-src/
devasc@labvm:~/labs/devnet-src$ ls
ansible      jenkins      parsing      python       school-library  unittest
coding-basics  mapquest    ptna        sample-app  security        webex-teams
devasc@labvm:~/labs/devnet-src$ cd python/
devasc@labvm:~/labs/devnet-src/python$ python3 -m venv devfun
devasc@labvm:~/labs/devnet-src/python$
```

Paso 2: Activamos y probamos el entorno virtual.

```
devasc@labvm: ~/labs/devnet-src/python
File Edit View Search Terminal Help
devasc@labvm:~/labs/devnet-src/python$ source devfun/bin/activate
(devfun) devasc@labvm:~/labs/devnet-src/python$ pip3 freeze
(devfun) devasc@labvm:~/labs/devnet-src/python$ pip3 install requests
Collecting requests
  Downloading requests-2.32.3-py3-none-any.whl (64 kB)
    |████████████████████| 64 kB 1.4 MB/s
Collecting certifi>=2017.4.17
  Downloading certifi-2024.8.30-py3-none-any.whl (167 kB)
    |████████████████████| 167 kB 2.7 MB/s
Collecting charset-normalizer<4,>=2
  Downloading charset-normalizer-3.3.2-cp38-cp38-manylinux2014_x86_64.whl (141 kB)
    |████████████████████| 141 kB 15.5 MB/s
Collecting idna<4,>=2.5
  Downloading idna-3.8-py3-none-any.whl (66 kB)
    |████████████████████| 66 kB 10.8 MB/s
Collecting urllib3<3,>=1.21.1
  Downloading urllib3-2.2.2-py3-none-any.whl (121 kB)
    |████████████████████| 121 kB 11.7 MB/s
Installing collected packages: certifi, charset-normalizer, idna, urllib3, requests
Successfully installed certifi-2024.8.30 charset-normalizer-3.3.2 idna-3.8 requests-2.32.3 urllib3-2.2.2
(devfun) devasc@labvm:~/labs/devnet-src/python$ pip3 freeze
certifi==2024.8.30
charset-normalizer==3.3.2
idna==3.8
requests==2.32.3
urllib3==2.2.2
(devfun) devasc@labvm:~/labs/devnet-src/python$ deactivate
devasc@labvm:~/labs/devnet-src/python$
```

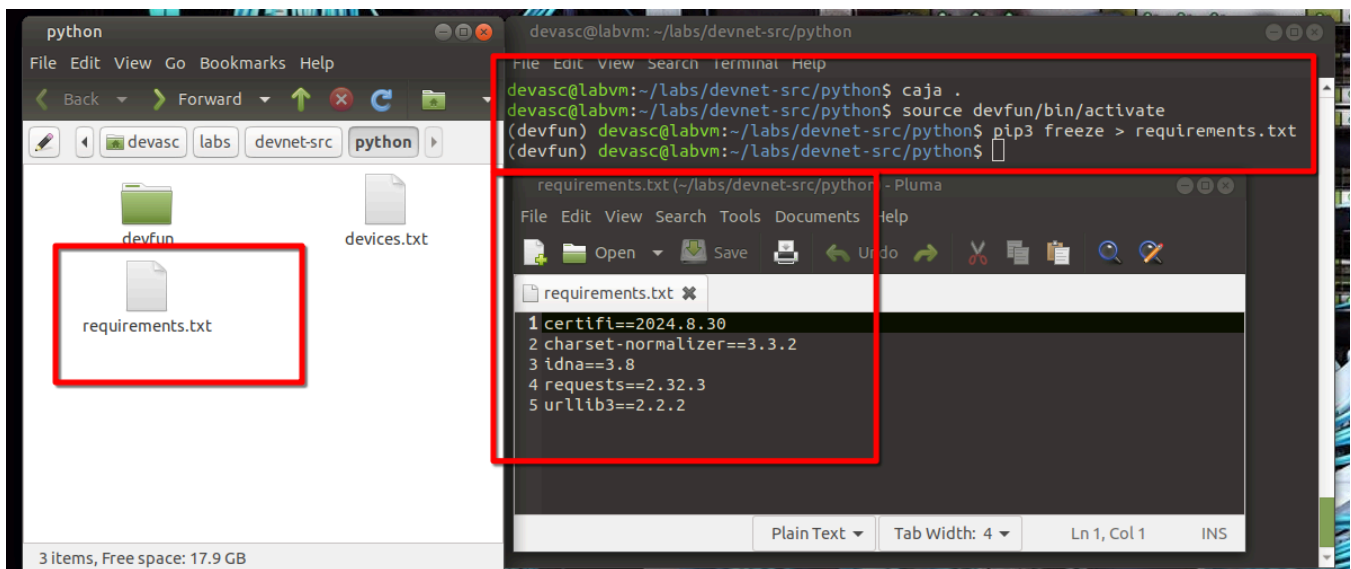
Paso 3: Comprobamos los paquetes actuales instalados en el entorno del sistema.

```
File Edit View Search Terminal Help
devasc@labvm:~/labs/devnet-src/python$ python3 -m pip freeze
aiohttp==3.6.2
ansible==2.9.9
apache-libcloud==2.8.0
appdirs==1.4.3
apturl==0.5.2
argcomplete==1.8.1
arrow==0.15.6
astroid==2.3.3
async-timeout==3.0.1
attrs==19.3.0
backports.ssl==0.0.9
bcrypt==3.1.7
binaryornot==0.4.4
blinker==1.4
Brlapi==0.7.0
cajarename==19.7.15
certifi==2019.11.28
cffi==1.14.0
chardet==3.0.4
click==7.1.2
command-not-found==0.3
configobj==5.0.6
cookiecutter==1.7.2
```

```
File Edit View Search Terminal Help
devasc@labvm:~/labs/devnet-src/python$ python3 -m pip freeze | grep requests
requests==2.22.0
requests-kerberos==0.12.0
requests-ntlm==1.1.0
requests-toolbelt==0.9.1
requests-unixsocket==0.2.0
devasc@labvm:~/labs/devnet-src/python$
```

Parte 4

Creamos el archivo de dependencias



Activamos un nuevo entorno virtual y descargamos las dependencias del *requirements.txt*, finalmente lo desactivamos.

