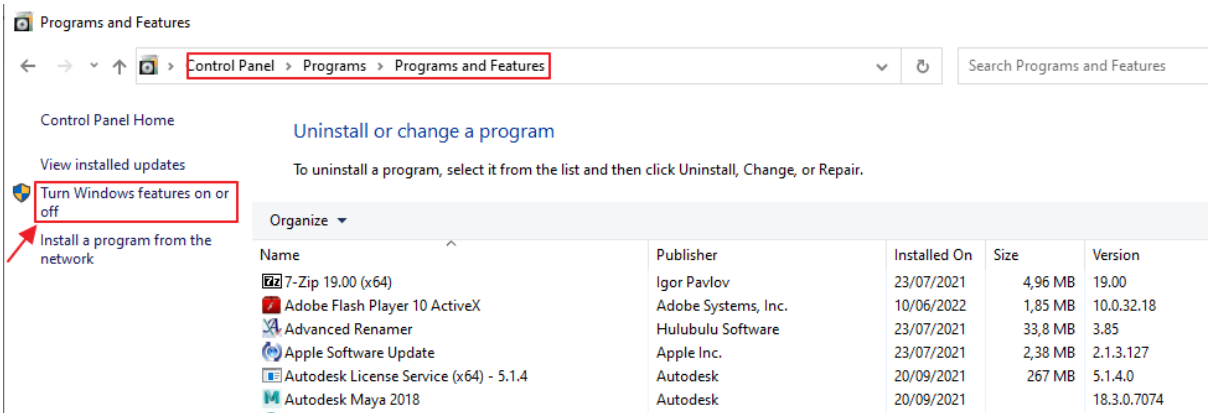
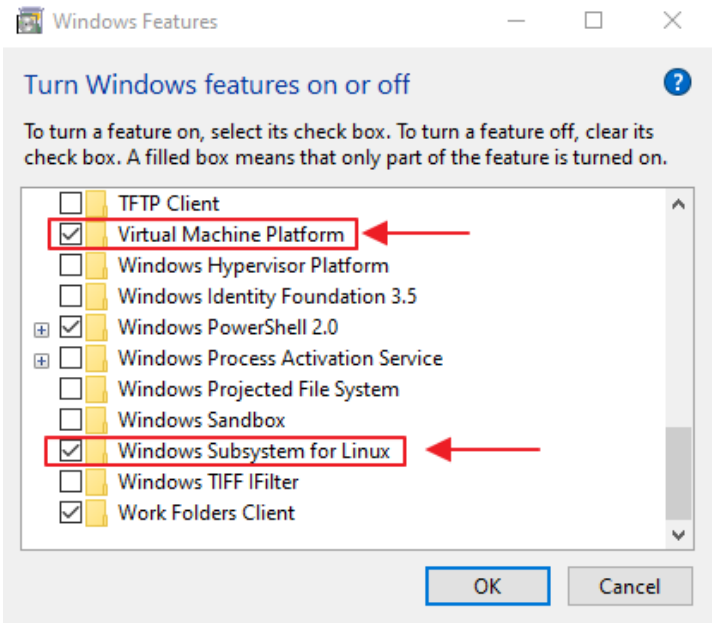
NICOLÁS ZABALA PÉREZ IT B-WATER BARCELONA 09/11/2022.

INSTRUCTIONS FOR INSTALLING WINDOWS SUBSYSTEM FOR LINUX WSL2

1-) Añadir las características Virtual Machine Platform y Windows Subsystem for Linux





2-) Descargar WSL2 y ejecutarlo

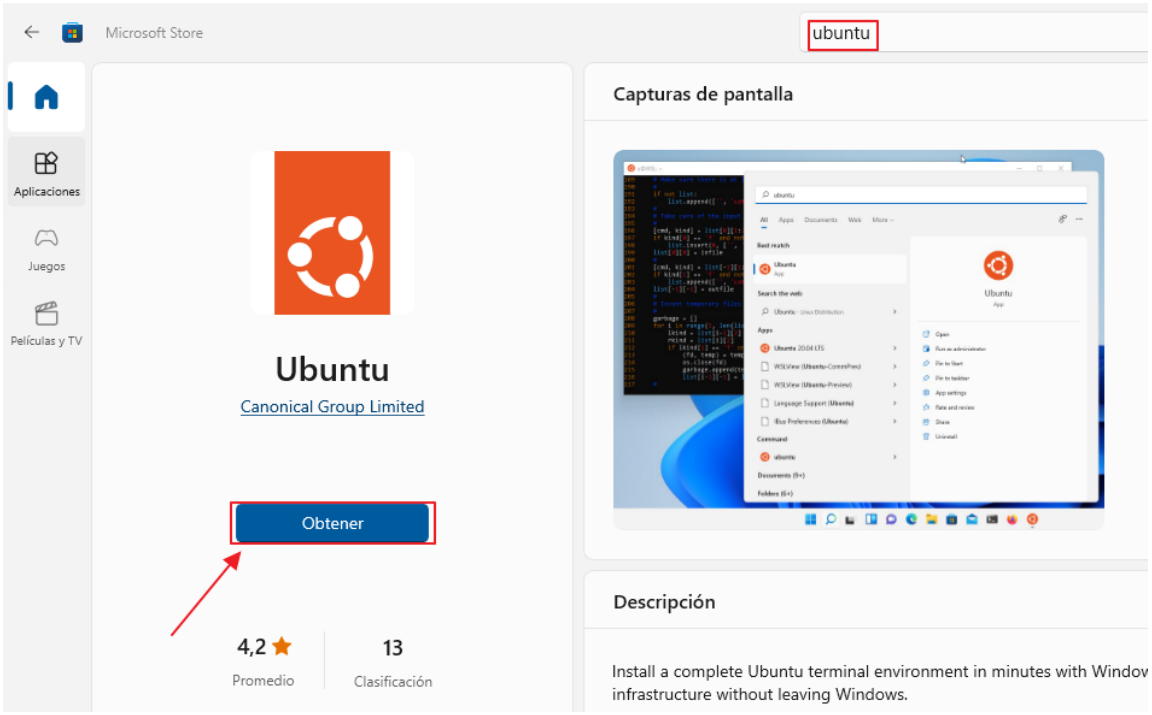
https://wslstorestorage.blob.core.windows.net/wslblob/wsl_update_x64.msi

3-) Configuramos WSL2 por defecto

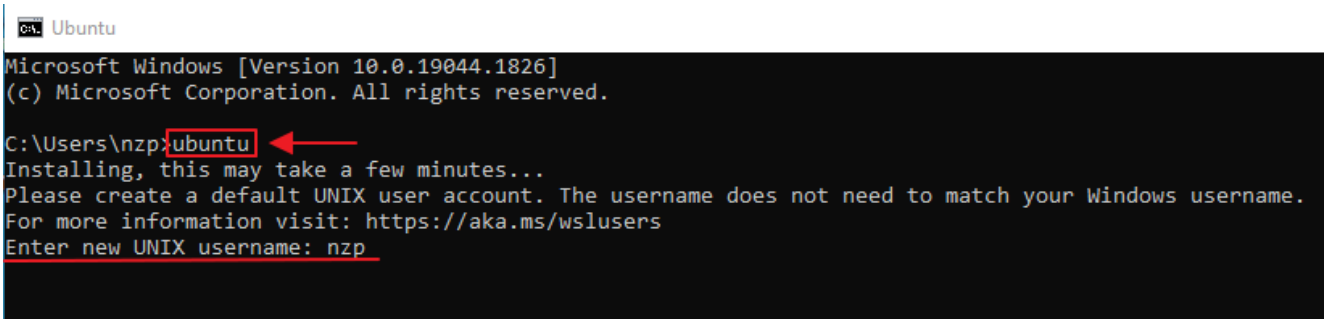
Ejecutamos en PowerShell el comando:

wsl --set-default-version 2

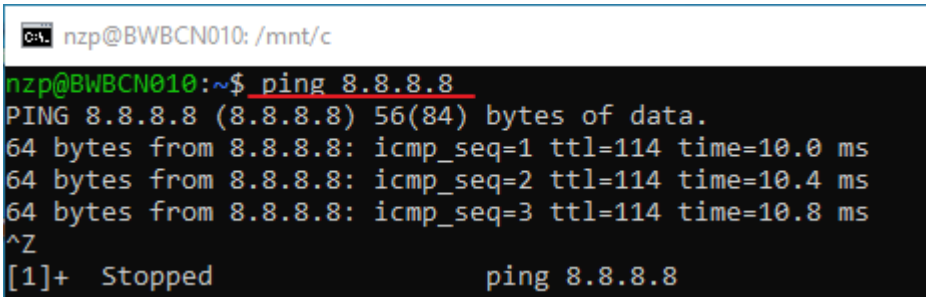
4-) Instalamos la versión de Linux que vayamos a utilizar desde Microsoft Store



5-) Ejecutamos Ubuntu desde cmd y creamos nuevo usuario y contraseña



6-) Comprobamos que tenemos conexión y acceso a nuestra C:\ desde Ubuntu



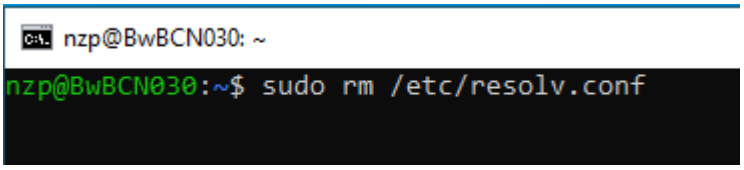
PREPARE ENVIRONMENT TO INSTALL ANSIBLE

7-) Crear fichero /etc/wsl.conf:

[network]
generateResolvConf = false

7.1-) Borrar fichero /etc/resolv.conf:

rm /etc/resolv.conf



7.2-) Crear y editar fichero /etc/resolv.conf:

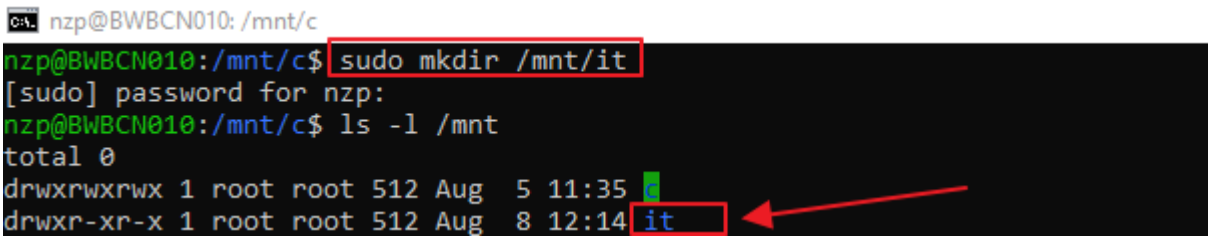
search bwaterbcn.local
nameserver 192.168.1.206

Comandos de control WSL

wsl --list --verbose
wsl --shutdown

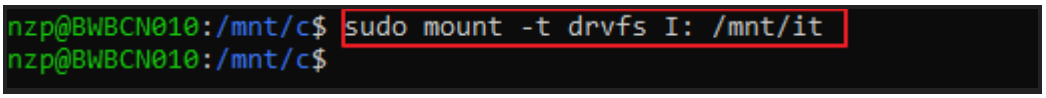
Mount network drives

8) Crear directorio donde se montará la unidad de red en Ubuntu

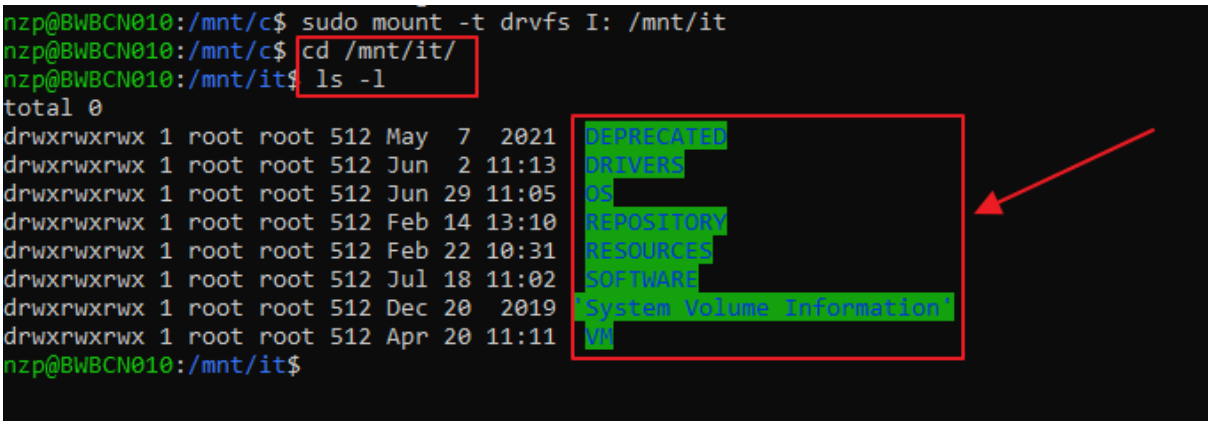


7.1-) Montar unidad de red en Ubuntu

Ejecutamos en terminal:
sudo mount -t drvfs (letra:) (directorio donde montamos la unidad)



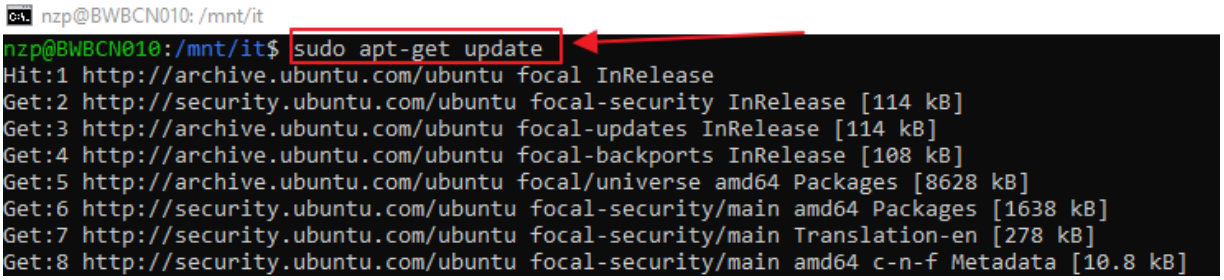
7.2-) Comprobamos que podemos acceder a la Unidad de red montada y podemos ver los archivos



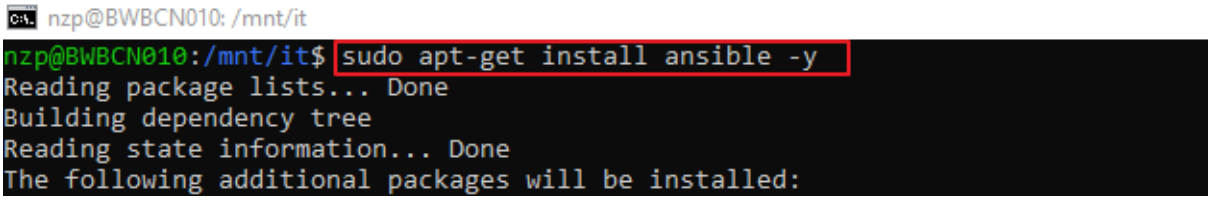
ANSIBLE INSTALLATION AND CONFIGURATION

8.1-) Actualizar paquetes y instalar Ansible

Ejecutamos update para coger la última versión de los paquetes:
sudo apt-get update



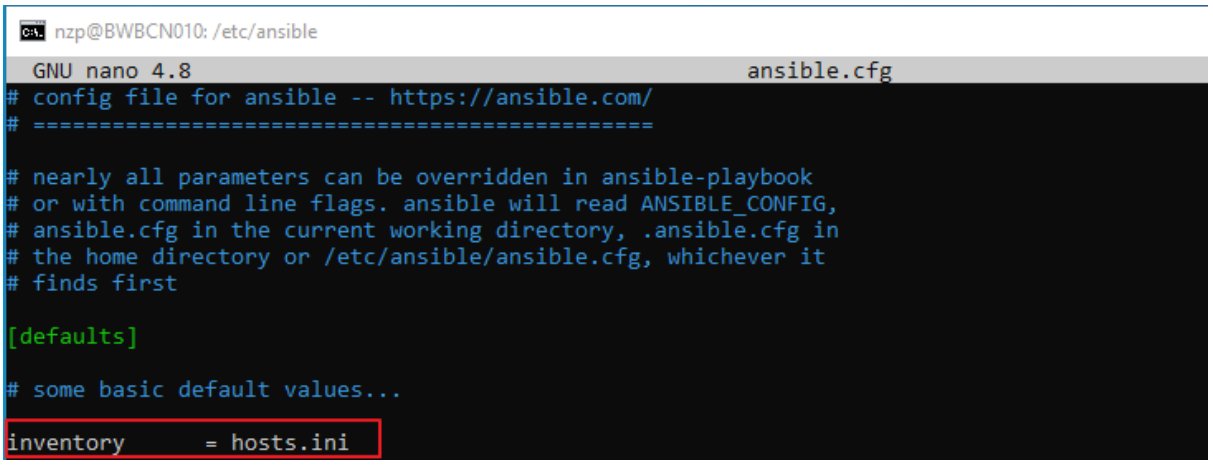
Ejecutamos el comando para instalar ansible:
sudo apt-get install ansible -y



8.2-)Editar fichero de configuración ansible.cfg

Establecer un fichero de inventario personalizado.

sudo nano ansible.cfgcd /ect/



Inhabilitar comprobación de claves SSH:

```
Select nzp@BWBCN010: /etc/ansible
  GNU nano 4.8                                          ansible.cfg
#roles_path    = /etc/ansible/roles

# uncomment this to disable SSH key host checking
host_key_checking = False

# change the default callback, you can only have one 'stdout' type  enabled at a time.
#stdout_callback = skippy
```

Inhabilitar advertencias

```
nzp@BWBCN010: /etc/ansible
  GNU nano 4.8                                          ansible.cfg

# by default (as of 1.4), Ansible may display deprecation warnings for language
# features that should no longer be used and will be removed in future versions.
# to disable these warnings, set the following value to False:
deprecation_warnings = False
```

8.3-) Crear fichero de inventario hosts.ini

```
nzp@BwBCN030: /etc/ansible
  GNU nano 4.8                                                hosts

# Ex 3: A collection of database servers in the 'dbservers' group

#[dbservers]
#
#db01.intranet.mydomain.net
#db02.intranet.mydomain.net
#10.25.1.56
#10.25.1.57

# Here's another example of host ranges, this time there are no
# leading 0s:

#db-[99:101]-node.example.com

[windows]
192.168.1.10

[windows:vars]
ansible_user=bwadmin
ansible_password=snowFl@ke64
ansible_connection=ssh
ansible_shell_type=cmd
```

9-) Instalamos sshpass

```
nzp@BWBCN010:/etc/ansible$ sudo apt-get install sshpass -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  sshpass
0 upgraded, 1 newly installed, 0 to remove and 112 not upgraded.
Need to get 10.5 kB of archives.
```

10-) Probamos a hacer pings al grupo de máquinas asignadas al grupo windows_wks

```
nzp@BWBCN010:/etc/ansible$ ansible windows_wks -m ping
```

11-) Comandos para buscar archivos en carpetas compartidas y contarlos.

Comando para buscar carpetas:

```
root@BwTF100: /mnt/W/01_PRODUCTIONS/013_HAPPY
root@BwTF100:/mnt/W/01_PRODUCTIONS/013_HAPPY# ls -R /mnt/W/01_PRODUCTIONS/013_HAPPY/ | egrep "HP"
HP_GI_0001_prod_pipeline
HP_GI_0002_funnel_filter_departments
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/11_GI/HP_GI_0001_prod_pipeline:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/11_GI/HP_GI_0001_prod_pipeline/02_ANIMATION:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/11_GI/HP_GI_0001_prod_pipeline/02_ANIMATION/05_PREVIEWS:
HP_GI_0001_prod_pipeline_publish_v01.png
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/11_GI/HP_GI_0001_prod_pipeline/02_ANIMATION/v01:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/11_GI/HP_GI_0001_prod_pipeline/02_ANIMATION/v01/r001:
HP_GI_0001_prod_pipeline_publish_v01_r001.png
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/11_GI/HP_GI_0001_prod_pipeline/02_ANIMATION/v01/r001/w0001:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/11_GI/HP_GI_0002_funnel_filter_departments:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/11_GI/HP_GI_0002_funnel_filter_departments/02_ANIMATION:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/11_GI/HP_GI_0002_funnel_filter_departments/02_ANIMATION/05_PREVIEWS:
HP_GI_0002_funnel_filter_departments_publish_v01.png
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/11_GI/HP_GI_0002_funnel_filter_departments/02_ANIMATION/v01:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/11_GI/HP_GI_0002_funnel_filter_departments/02_ANIMATION/v01/r001:
HP_GI_0002_funnel_filter_departments_publish_v01_r001.png
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/11_GI/HP_GI_0002_funnel_filter_departments/02_ANIMATION/v01/r001/w0001:
HP_CH_0003_amy
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/1_CH/HP_CH_0003_amy:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/1_CH/HP_CH_0003_amy/01_BRIEFING:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/1_CH/HP_CH_0003_amy/01_CONCEPT:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/1_CH/HP_CH_0003_amy/01_CONCEPT/05_PREVIEWS:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/1_CH/HP_CH_0003_amy/03_COLOR_ART:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/1_CH/HP_CH_0003_amy/03_COLOR_ART/05_PREVIEWS:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/1_CH/HP_CH_0003_amy/05_TURN_AROUND:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/1_CH/HP_CH_0003_amy/05_TURN_AROUND/05_PREVIEWS:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/1_CH/HP_CH_0003_amy/06_ASSET_SHEET:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/1_CH/HP_CH_0003_amy/06_ASSET_SHEET/05_PREVIEWS:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/1_CH/HP_CH_0003_amy/08_MODEL:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/1_CH/HP_CH_0003_amy/08_MODEL/03_FEEDBACK:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/1_CH/HP_CH_0003_amy/08_MODEL/05_PREVIEWS:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/1_CH/HP_CH_0003_amy/08_MODEL/v01:
/mnt/W/01_PRODUCTIONS/013_HAPPY/1_PRE/1_CH/HP_CH_0003_amy/08_MODEL/v01/r001:
HP_CH_0003_amy_model_v01_r001.blend
```

Comando para contar las carpetas encontradas con el anterior comando:

```
root@BwTF100:/mnt/W/01_PRODUCTIONS/013_HAPPY# ls -R /mnt/W/01_PRODUCTIONS/013_HAPPY/ | egrep -c "HP"
70
root@BwTF100:/mnt/W/01_PRODUCTIONS/013_HAPPY#
```