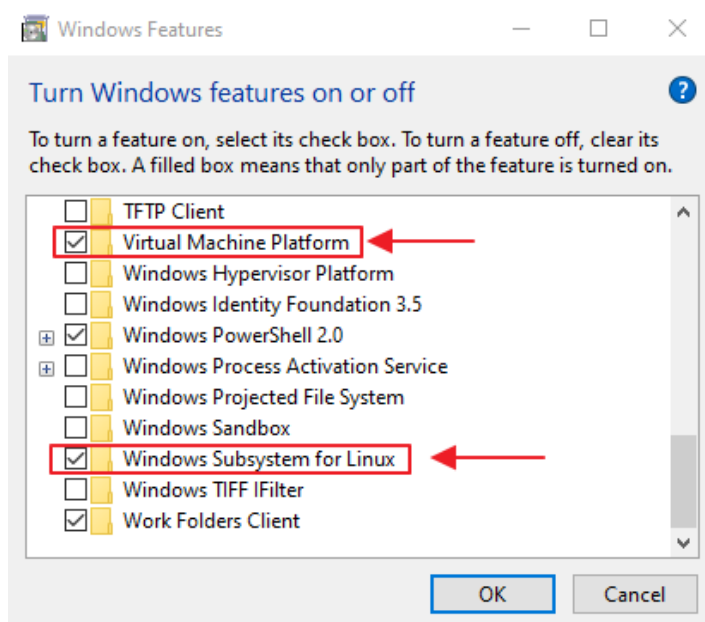
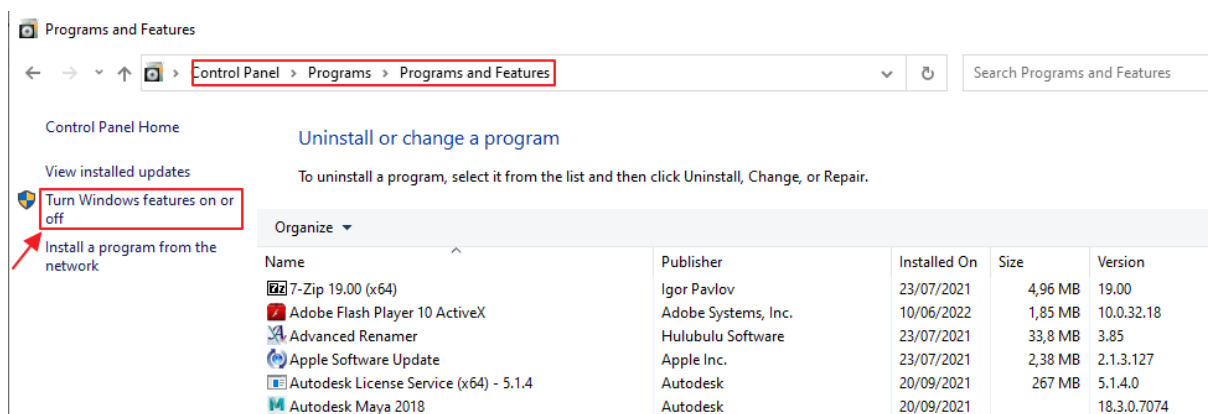


# INSTRUCTIONS FOR INSTALLING WINDOWS SUBSYSTEM FOR LINUX WSL2

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



## 2-) Descargar WSL2 y ejecutarlo

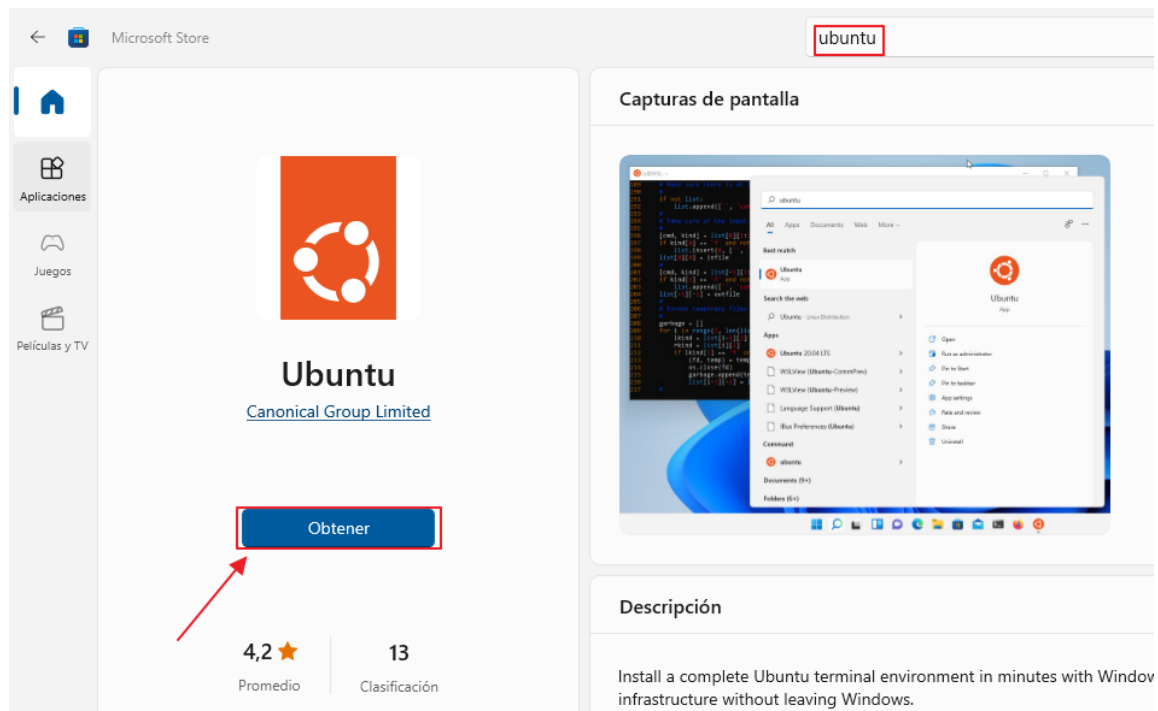
[https://wslstorestorage.blob.core.windows.net/wslblob/wsl\\_update\\_x64.msi](https://wslstorestorage.blob.core.windows.net/wslblob/wsl_update_x64.msi)

## 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**

```
C:\> Ubuntu

Microsoft Windows [Version 10.0.19044.1826]
(c) Microsoft Corporation. All rights reserved.

C:\Users\nzp>ubuntu
Installing, this may take a few minutes...
Please create a default UNIX user account. The username does not need to match your Windows username.
For more information visit: https://aka.ms/wslusers
Enter new UNIX username: nzp
```

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

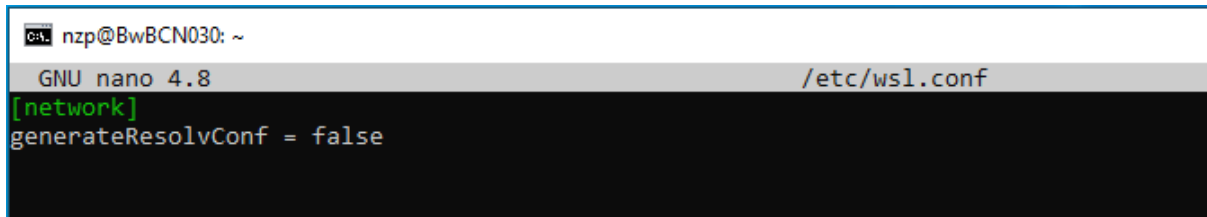
```
C:\> nzp@BWBCN010: /mnt/c

nzp@BWBCN010:~$ ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=114 time=10.0 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=114 time=10.4 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=114 time=10.8 ms
^Z
[1]+  Stopped                  ping 8.8.8.8
```

# PREPARE ENVIRONMENT TO INSTALL ANSIBLE

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

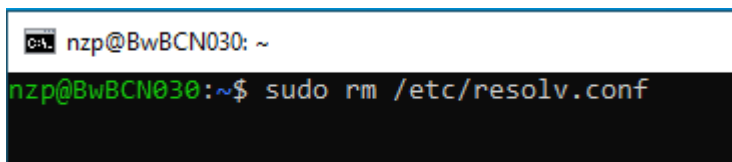
```
[network]
generateResolvConf = false
```



```
nzp@BwBCN030: ~
GNU nano 4.8 /etc/wsl.conf
[network]
generateResolvConf = false
```

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

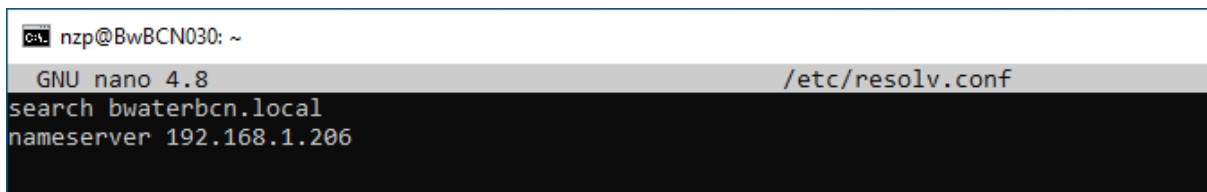
```
rm /etc/resolv.conf
```



```
nzp@BwBCN030: ~
nzp@BwBCN030:~$ sudo rm /etc/resolv.conf
```

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

```
search bwaterbcn.local
nameserver 192.168.1.206
```



```
nzp@BwBCN030: ~
GNU nano 4.8 /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

```
nzp@BWBCN010: /mnt/c
nzp@BWBCN010:/mnt/c$ sudo mkdir /mnt/it
[sudo] password for nzp:
nzp@BWBCN010:/mnt/c$ ls -l /mnt
total 0
drwxrwxrwx 1 root root 512 Aug  5 11:35
drwxr-xr-x 1 root root 512 Aug  8 12:14 it
```



### 7.1-) Montar unidad de red en Ubuntu

Ejecutamos en terminal:


`sudo mount -t drvfs (letra:) (directorio donde montamos la unidad)`

```
nzp@BWBCN010:/mnt/c$ sudo mount -t drvfs I: /mnt/it
nzp@BWBCN010:/mnt/c$
```

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

```
nzp@BWBCN010:/mnt/c$ sudo mount -t drvfs I: /mnt/it
nzp@BWBCN010:/mnt/c$ cd /mnt/it/
nzp@BWBCN010:/mnt/it$ ls -l
total 0
drwxrwxrwx 1 root root 512 May  7 2021
drwxrwxrwx 1 root root 512 Jun  2 11:13
drwxrwxrwx 1 root root 512 Jun 29 11:05
drwxrwxrwx 1 root root 512 Feb 14 13:10
drwxrwxrwx 1 root root 512 Feb 22 10:31
drwxrwxrwx 1 root root 512 Jul 18 11:02
drwxrwxrwx 1 root root 512 Dec 20 2019
drwxrwxrwx 1 root root 512 Apr 20 11:11
```

```
DEPRECATED
DRIVERS
OS
REPOSITORY
RESOURCES
SOFTWARE
'System Volume Information'
VM
```



# 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
```

```
nzp@BWBCN010: /mnt/it$ sudo apt-get update
Hit:1 http://archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:3 http://archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:4 http://archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:5 http://archive.ubuntu.com/ubuntu focal/universe amd64 Packages [8628 kB]
Get:6 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [1638 kB]
Get:7 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [278 kB]
Get:8 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [10.8 kB]
```

Ejecutamos el comando para instalar ansible:

```
sudo apt-get install ansible -y
```

```
nzp@BWBCN010: /mnt/it$ sudo apt-get install ansible -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
```

## 8.2-) Editar fichero de configuración ansible.cfg

Establecer un fichero de inventario personalizado.

```
sudo nano ansible.cfgcd /etc/
```

```
nzp@BWBCN010: /etc/ansible
GNU nano 4.8                                ansible.cfg
# config file for ansible -- https://ansible.com/
# =====

# nearly all parameters can be overridden in ansible-playbook
# or with command line flags. ansible will read ANSIBLE_CONFIG,
# ansible.cfg in the current working directory, .ansible.cfg in
# the home directory or /etc/ansible/ansible.cfg, whichever it
# finds first

[defaults]
# some basic default values...

inventory = hosts.ini
```

## Inhabilitar comprobación de claves SSH:

```
ca: 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

```
ca: 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

```
ca: 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#
```