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C:\Windows\System32>dism.exe /online /enable-feature /featurename:Microsoft-Windows-Subsystem-Linux /all /norestart

Ferramenta de Gerenciamento e Manutenção de Imagens de Implantação
Versão: 10.0.22621.2792

Versão da Imagem: 10.0.22631.5335

Habilitando recurso(s)
[=====100.0%=====]
A operação foi concluída com êxito.

C:\Windows\System32>
C:\Windows\System32>wsl --install -d Ubuntu
Baixando: Ubuntu
Instalando: Ubuntu
Distribuição instalada com êxito. Ele pode ser iniciado por meio de 'wsl.exe -d Ubuntu'
Iniciando Ubuntu...
Provisioning the new WSL instance Ubuntu
This might take a while...
Create a default Unix user account: _murasaki-j
err: Please enter a username matching the regular expression
       configured via the NAME_REGEX configuration variable. Use the
       '--allow-bad-names' option to relax this check or reconfigure
       NAME_REGEX in configuration.
Failed to create user '_murasaki-j'. Please choose a different name.
Create a default Unix user account: murasaki-j
New password:
Retype new password:
passwd: password updated successfully
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

murasaki-j@LAPTOP-TNCOBVAV:/mnt/c/Windows/System32$ pwd
/mnt/c/Windows/System32
murasaki-j@LAPTOP-TNCOBVAV:/mnt/c/Windows/System32$ ls
@userprofile%
040%
07409496-a423-4a3e-b620-2cfb01a9318d_HyperV-ComputeNetwork.dll
0ae3b998-9a38-4b72-a4c4-06849441518d_Servicing-Stack.dll
4545ffe2-0dc4-4df4-9d02-299ef204635e_hvsocket.dll
69fe178f-26e7-43a9-aa7d-2b616b672dde_eventlogservice.dll
6bea57fb-8dfb-4177-9ae8-42e8b3529933_RuntimeDeviceInstall.dll
@AdvancedKeySettingsNotification.png
@AppHelpToast.png
@AudioToastIcon.png
@BackgroundAccessToastIcon.png

```

Linux virtual machine created successfully!

After that I logged into ubuntu and ran the commands as requested.

```

murasaki-j@LAPTOP-TNCOBVAV:~$ pwd
/home/murasaki-j
murasaki-j@LAPTOP-TNCOBVAV:~$ ls
murasaki-j@LAPTOP-TNCOBVAV:~$ alias ls='ls -ltraphi'
murasaki-j@LAPTOP-TNCOBVAV:~$ ls
total 24K
24577 drwxr-xr-x 3 root      root      4.0K May 30 13:45 ./
1234  -rw-r--r-- 1 murasaki-j murasaki-j 220 May 30 13:45 .bash_logout
46413 -rw-r--r-- 1 murasaki-j murasaki-j 807 May 30 13:45 .profile
46416 -rw-r--r-- 1 murasaki-j murasaki-j 3.7K May 30 13:45 .bashrc
46407 drwx----- 2 murasaki-j murasaki-j 4.0K May 30 13:46 .cache/
46418 -rw-rw-r-- 1 murasaki-j murasaki-j 0 May 30 13:46 .motd_shown
688  drwxr-x--- 3 murasaki-j murasaki-j 4.0K May 30 13:46 ./
murasaki-j@LAPTOP-TNCOBVAV:~$ ifconfig
Command 'ifconfig' not found, but can be installed with:
sudo apt install net-tools
murasaki-j@LAPTOP-TNCOBVAV:~$ ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet 10.255.255.254/32 brd 10.255.255.254 scope global lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1492 qdisc mq state UP group default qlen 1000
    link/ether 00:15:5d:ce:7c:8d brd ff:ff:ff:ff:ff:ff
    inet 172.24.202.52/20 brd 172.24.207.255 scope global eth0
        valid_lft forever preferred_lft forever
    inet6 fe80::215:5dff:fece:7c8d/64 scope link
        valid_lft forever preferred_lft forever
murasaki-j@LAPTOP-TNCOBVAV:~$ whoami
murasaki-j
murasaki-j@LAPTOP-TNCOBVAV:~$ |

```

pwd showed the directory where I was.

I was a little confused with the alias command but I believe I understood it. alias ls='ls -ltraphi' is giving meaning to "ls" which becomes the same as 'ls -ltraphi'. This, in turn, according to GPT means: "List everything, including hidden files, with details, readable sizes, inode, identify folders, order by date and in reverse order."

ls lists the files and folders in the current folder.

When I tried to use ifconfig it didn't work, so as suggested I used "ip addr". This in turn, showed the network settings and status.

whoami shows which user is logged into the system.

```
murasaki-j@LAPTOP-TNCOBVAV:~$ whoami
murasaki-j
murasaki-j@LAPTOP-TNCOBVAV:~$ mkdir lab1
murasaki-j@LAPTOP-TNCOBVAV:~$ cd lab1
murasaki-j@LAPTOP-TNCOBVAV:~/lab1$ cd ..
murasaki-j@LAPTOP-TNCOBVAV:~$ touch teste.txt
murasaki-j@LAPTOP-TNCOBVAV:~$ echo "texto" > teste.txt
murasaki-j@LAPTOP-TNCOBVAV:~$ cat teste.txt
texto
murasaki-j@LAPTOP-TNCOBVAV:~$ rm teste.txt
murasaki-j@LAPTOP-TNCOBVAV:~$ rmdir lab1
murasaki-j@LAPTOP-TNCOBVAV:~$ history
  1  pwd
  2  ls
  3  ifconfig
  4  ip addr
  5  whoami
  6  mkdir lab1
  7  cd lab1
  8  cd ..
  9  touch teste.txt
 10  echo "texto" > teste.txt
 11  cat teste.txt
 12  rm teste.txt
 13  rmdir lab1
 14  history
murasaki-j@LAPTOP-TNCOBVAV:~$
```

mkdir lab1 created a folder called lab1

cd lab1 entered the lab1 folder

cd .. returned to the previous directory

touch text.txt created a file called test.txt

echo "texto" > test.txt created a text file inside test.txt

cat text.txt displayed the contents of this file

rm text.txt deleted the text.txt folder

rm lab1 deleted the lab1 folder

history showed all given commands

clear clears the terminal screen

exit closes the terminal