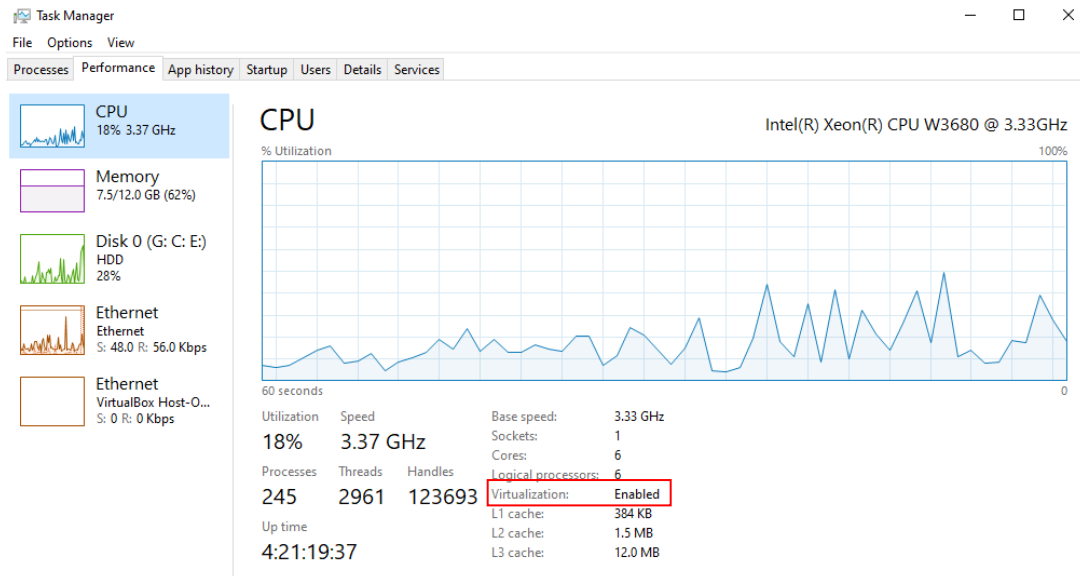


INCOIS-RIMES Training Course on  
"Customization of Ocean State Forecast Products" (May 20-24, 2024)

## PyFerret installation instructions

### Checking the status of Virtualization and WSL in Windows PC:

status of virtualization in performance Tab.



If virtualization is disabled in your PC follow the below instructions to enable.

For Dell PC follow the instructions below link:

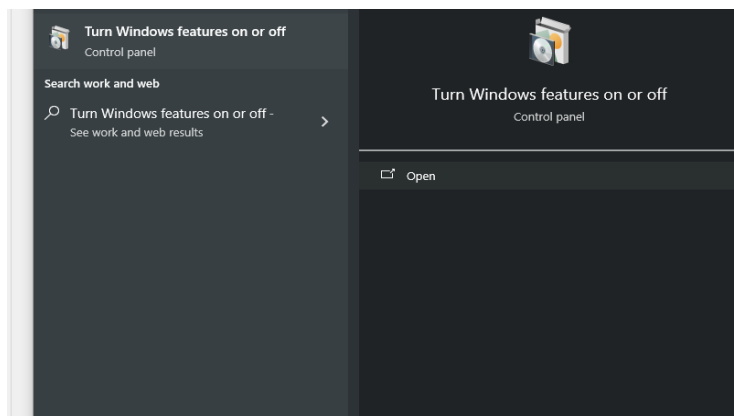
<https://www.dell.com/support/kbdoc/en-in/000195978/how-to-enable-or-disable-hardware-virtualization-on-dell-systems>

For HP PC follow the instructions below link:

[https://support.hp.com/us-en/document/ish\\_5637142-5637191-16](https://support.hp.com/us-en/document/ish_5637142-5637191-16)

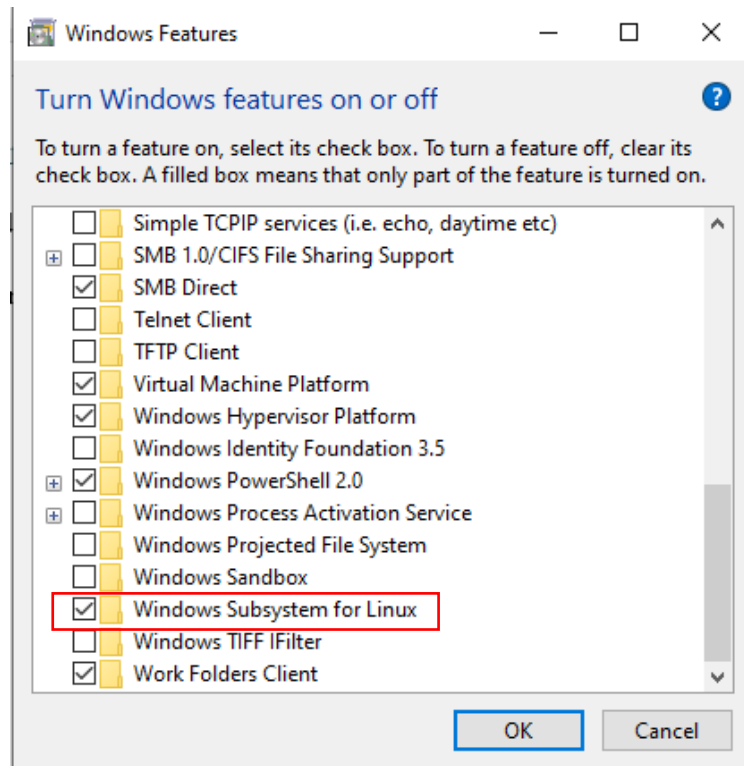
Next, enable Windows Subsystem for Linux in Windows features.

Type “**Turn Windows features on or off**” in start menu search and click on open.



# INCOIS-RIMES Training Course on "Customization of Ocean State Forecast Products" (May 20-24, 2024)

Tick on Windows Subsystem for Linux and click ok.



## Installing WSL Ubuntu-20.04, miniconda and PyFerret:

Open Windows terminal and type

```
wsl -d Ubuntu-20.04 --install
```

When prompted give username and password

After successful installation type **wsl --list** and the prompt will display the installed Ubuntu distribution.

```
C:\Users\incois>wsl --list
Windows Subsystem for Linux Distributions:
Ubuntu-20.04
```

Activate wsl ubuntu by typing **wsl -d Ubuntu-20.04**

```
C:\Users\incois>wsl -d Ubuntu-20.04
chandrsekhar@INC-CHANDRASEKHAR:/mnt/c/Users/incois$
```

## INCOIS-RIMES Training Course on "Customization of Ocean State Forecast Products" (May 20-24, 2024)

Now install miniconda by executing the following commands


```
mkdir -p ~/miniconda3
```

```
wget https://repo.anaconda.com/miniconda/Miniconda3-latest-Linux-x86\_64.sh -O ~/miniconda3/miniconda.sh
```

```
bash ~/miniconda3/miniconda.sh -b -u -p ~/miniconda3
```

```
~/miniconda3/bin/conda init bash
```

After installation check the conda version by giving the command **conda --version**

A terminal window screenshot showing the command 'conda --version' being executed. The output is 'conda 24.1.2'. The terminal prompt is 'chandrsekhar@INC-CHANDRASEKHAR:/mnt/c/Users/incois\$'.

```
chandrsekhar@INC-CHANDRASEKHAR:/mnt/c/Users/incois$ conda --version
conda 24.1.2
chandrsekhar@INC-CHANDRASEKHAR:/mnt/c/Users/incois$
```

Now Execute the following command on the terminal to install pyferret as well as ferret\_datasets

```
conda create -n FERRET -c conda-forge pyferret ferret_datasets --yes
```

activate the ferret environment by executing the command

```
conda activate FERRET
```