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Prof. Chang

CS453

1/27/2021

Title: HW1

1. Setup Ubuntu

a.

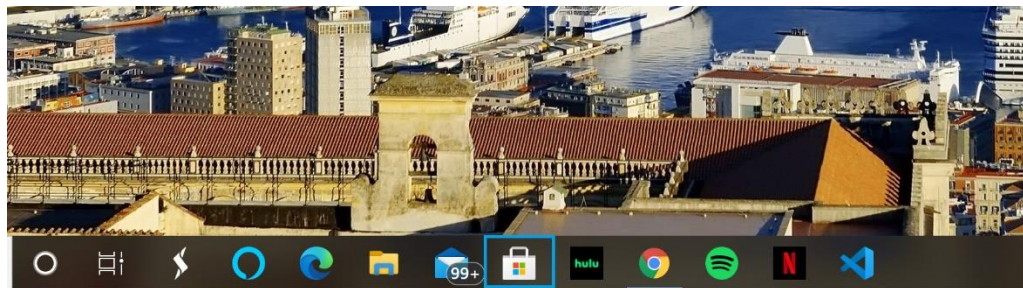


Fig.1 windows store

- Find a windows store(it can be in your task bar (or) search in widows menue)
- Launch Windows Store

b.

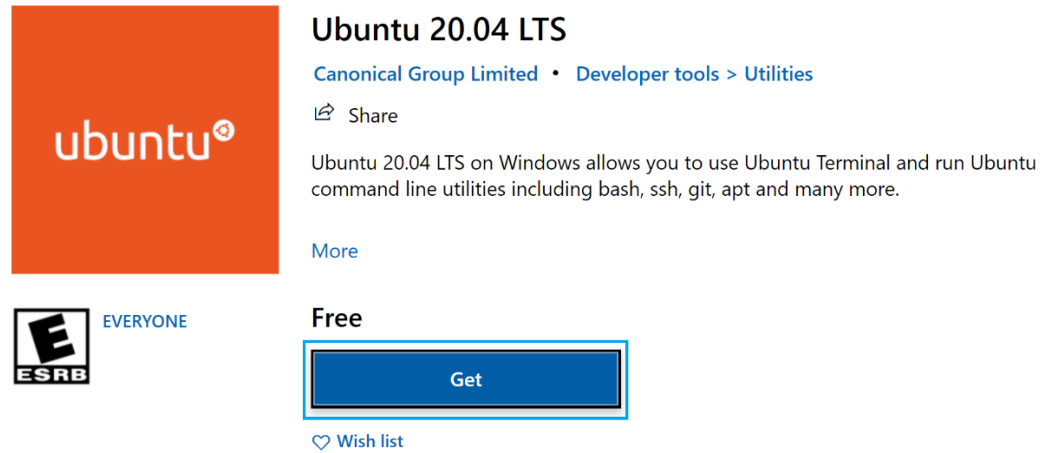


Fig2. Ubuntu on Windows store

- Search ubuntu on windows store search bar
- You can see the upper one application.
- Click get button for install.
- Installation takes several times.

c.

```

patrick@PATRICKWUSA5C: ~
patrick@PATRICKWUSA5C:~$ wslfetch

./+00SSSS00+/-..
'+SSSSSSSSSSSSSSSSSSSS+:`
-+SSSSSSSSSSSSSSSSSSSSyySSSS+-
.OSSSSSSSSSSSSSSSSSSSSdMMMMNySSSSO.
/SSSSSSSSSSSShdmNNmmyNMMMMhSSSSSS/
+SSSSSSSShmydMMMMMMNdddySSSSSSSS+
/SSSSSSShNMMMyhhyyyhNMMMMhSSSSSSS/
.SSSSSSSdMMNhhSSSSSSSSShNMMMdSSSSSSS.
+SSShhhyNMMNySSSSSSSSSSyNMMMySSSSSS+
oSSyNMMMyMMhSSSSSSSSSSShmmhSSSSSSSO
oSSyNMMMyMMhSSSSSSSSSSShmmhSSSSSSSO
+SSShhhyNMMNySSSSSSSSSSyNMMMySSSSSS+
.SSSSSSSdMMNhhSSSSSSSSShNMMMdSSSSSSS.
/SSSSSSShNMMMyhhyyyhNMMMMhSSSSSSS/
+SSSSSSSSdmydMMMMMMNdddySSSSSSSS+
/SSSSSSSSShdmNNmmyNMMMMhSSSSSSS/
.OSSSSSSSSSSSSSSSSSSSSdMMMMNySSSSO.
-+SSSSSSSSSSSSSSSSSSSSyySSSS+-
'+SSSSSSSSSSSSSSSSSSSS+:`
./+00SSSS00+/-..

Windows Subsystem for Linux (WSL1)
patrick@PATRICKWUSA5C
Build: 18363
Branch: 19h1_release
Release: Ubuntu 20.04 LTS
Kernel: Linux 4.4.0-18362-Microsoft
Uptime: 0d 5h 32m

patrick@PATRICKWUSA5C:~$ _

```

Fig3: WSL Ubuntu

- After Installation complete you can see the screen as show upon upper
- If you get an error, there is a few things you need to do.
- I can show you one main thing that you need to do.

Solution No 1.

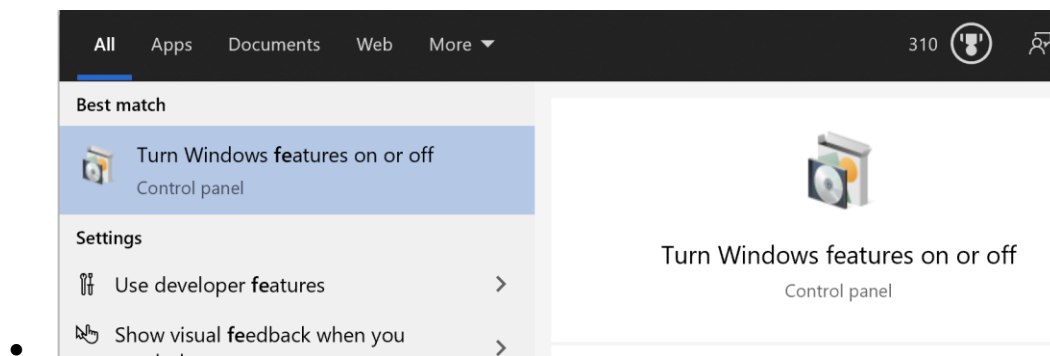


Fig 4: windows features.

- Search windows features on windows search bar
- You can see the upper one, click it on

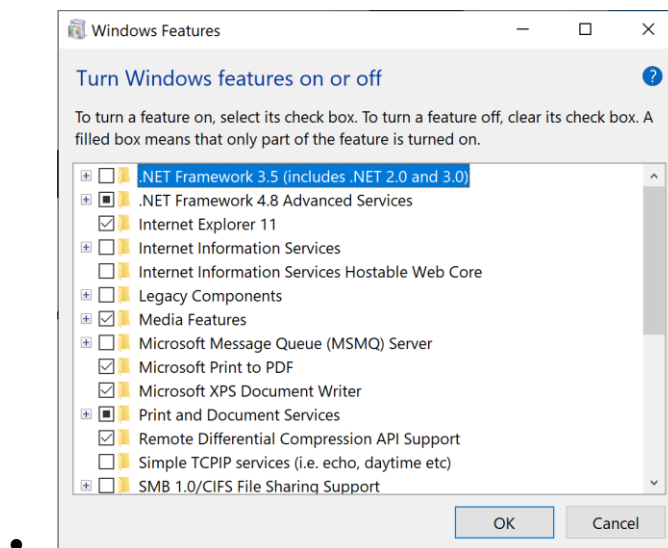


Fig 5 windows features.

- You can see the windows features function

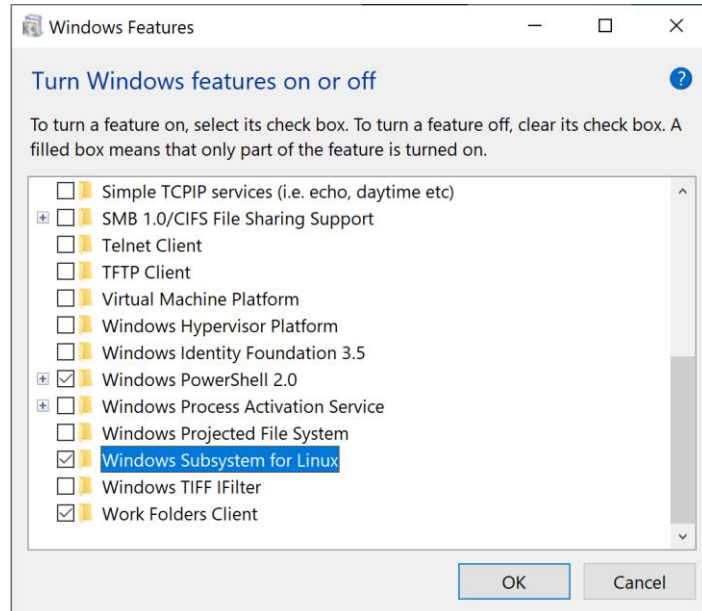


Fig 6 Windows Features.

- Scroll down, you can see the windows subsystem for Linux.
- By default, this feature is turn off so click on tick mark
- And click ok, and re open your ubuntu it's working now

2.

```
root@Jenish_Laptop:~# cd cs453
root@Jenish_Laptop:~/cs453# cat reciprocal.c
#include <stdio.h>
#include <stdlib.h>
#include <assert.h>
double reciprocal (int i)
{
    // I should be non-zero.
    assert (i != 0);
    return 1.0/i;
}
int main (int argc, char **argv)
{
    int i;
    i = atoi (argv[1]);
    printf("The reciprocal of %d is %g\n", i, reciprocal (i));
    return 0;
}
```

Output:

```
root@Jenish_Laptop:~/cs453# ./a 5
The reciprocal of 5 is 0.2
```