**Practical 1: Hadoop Setup**
**Step 1: WSL installation and Ubuntu setup.**
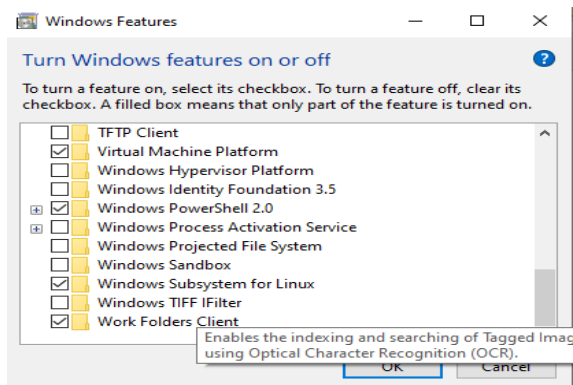


**Step 2: wsl--install -d Ubuntu 20.04**
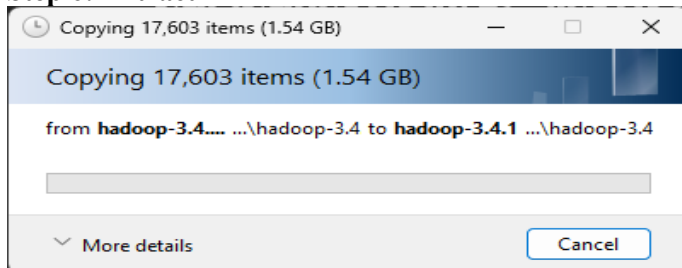


**Step 3: Reboot/Restart the system**
**Step 4: Set Username:** Bhavans **Password:**SYCS
**Step 5**: we get "http.xyz.tar."
**Step 6: Extract**

```
sycs5@DESKTOP-1EDQQTQ: $ wget https://downloads.apache.org/hadoop/common/hadoop-3.4.1/hadoop-3.4.1.tar.gz
--2025-01-20 21:10:18--  https://downloads.apache.org/hadoop/common/hadoop-3.4.1/hadoop-3.4.1.tar.gz
Resolving downloads.apache.org (downloads.apache.org)... 135.181.214.104, 88.99.208.237, 2a01:4f8:10a:39da::2, ...
Connecting to downloads.apache.org (downloads.apache.org)|135.181.214.104|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 974002355 (929M) [application/x-gzip]
Saving to: 'hadoop-3.4.1.tar.gz'
```

```
sycs5@DESKTOP-1EDQQTQ: $ tar -xzf hadoop-3.4.1.tar.gz
sycs5@DESKTOP-1EDQQTQ: $ nano ~/hadoop-3.4.1/etc/hadoop/hadoop-env.ssh
sycs5@DESKTOP-1EDQQTQ:~$ nano ~/hadoop-3.4.1/etc/hadoop/core-site.xml
```

```
sycs5@DESKTOP-1EDQQTQ:~$ which java
/usr/bin/java
```

```
sycs5@DESKTOP-1EDQQTQ: $ ls
hadoop-3.4.1  hadoop-3.4.1.tar.gz
sycs5@DESKTOP-1EDQQTQ: $ cd hadoop-3.4.1
sycs5@DESKTOP-1EDQQTQ:~/hadoop-3.4.1$ ls
LICENSE-binary  LICENSE.txt  NOTICE-binary  NOTICE.txt  README.txt  bin  etc  include  lib  libexec  licenses-binary  sbin  share
```

```
-wsl --shutdown
```