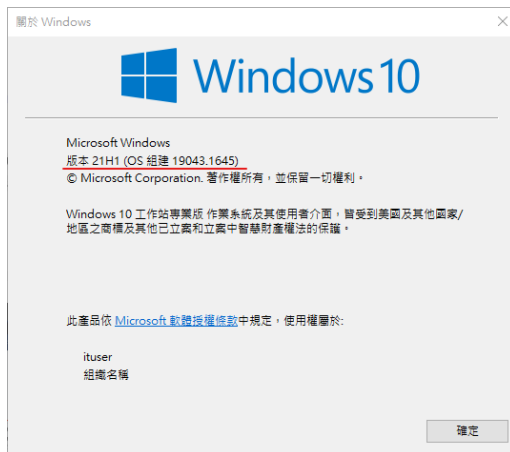
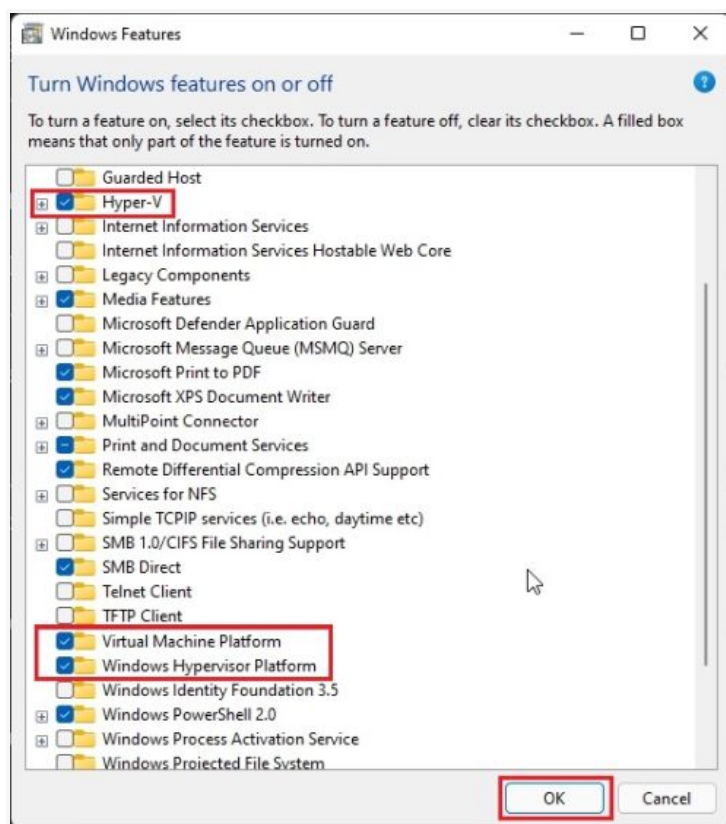


1. Make sure you are using Window 11 or Window 10 (build 19041 or higher) <[LINK](#)>



2. Enable Hyper-V

Run optionalfeatures.exe and enable the following items



3. Open PowerShell as administrator (always do this with PowerShell) and enter this command
(You can install the WSL from the “Microsoft Store” directly now - suggested)

a. `wsl --install`

b. 安裝 Linux GUI 應用程式

i. `wsl --install -d Ubuntu-20.04`

ii. `wsl -l -v` (if version is 1, then “`wsl -set-version Ubuntu 2`”)

It would be better to use WSL2 to get better compile performance.

```
PS C:\WINDOWS\system32> wsl -l -v
```

NAME	STATE	VERSION
* Ubuntu-20.04	Stopped	2

4. Update apt command

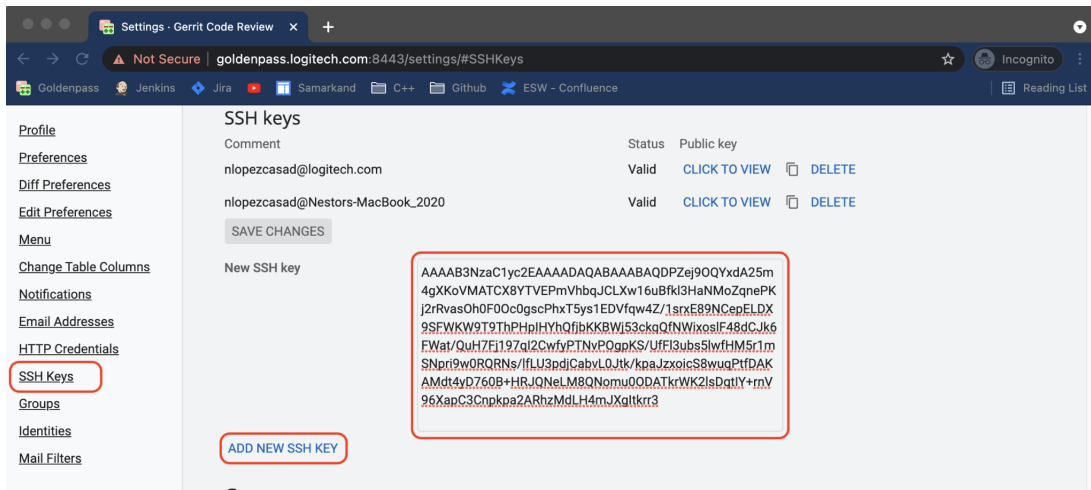
a. `sudo apt update`

5. `sudo apt install xinit`

6. In Ubuntu,

A. `ssh-keygen -t rsa -b 4096 -C "baileyaccount@NBName"` <[LINK](#)>

B. Add this public key in the Gerrit



C. Test via “ssh -p 29418 goldenpass.logitech.com”

7. Install GCC for Arm (Linux 64-bit)

a. For nRF52 -> [gcc-arm-none-eabi-6-2017-q2-update-mac](#)

```
$ cd /mnt/c/Users/vliang/Downloads
```

```
$ sudo mv gcc-arm*.*/usr/local
```

```
$ cd /usr/local
```

```
$ sudo tar -jxv -f gcc-arm-none-eabi-6-2017-q2-update-linux.tar.bz2
```

8. Install make

```
$ sudo apt install make
```

9. Install the SRecord tools (required to make the BIN/HEX files):

```
$ sudo apt install srecord
```

10. Install dc command

```
$ sudo apt install dc
```

11. Install cc command

```
$ sudo apt install gcc
```

12. Install ctags

```
$ sudo apt install ctags
```

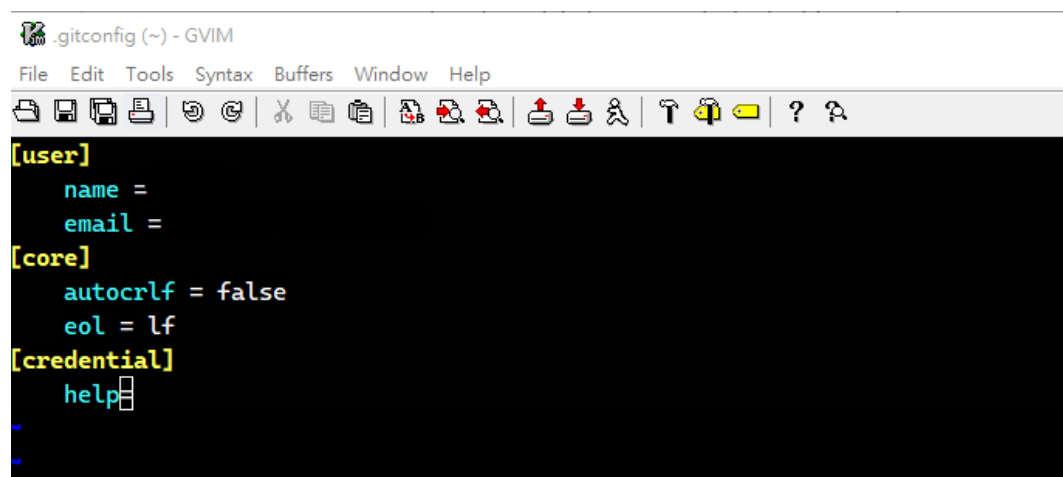
13. Install JAVA => let signed DFU process work

```
$ sudo apt install openjdk-8-jre-headless
```

=> Restart the system by PowerShell \$ `ws1 --shutdown`

- Access Linux filesystems in Windows and WSL 2 [<LINK>](#)
 - Map network drive: `\\wsl$Ubuntu`
- Git setup
 - `git config --global user.name "John Doe"`
 - `git config --global user.email johndoe@example.com`
 - `git config --global core.fileMode false` ← if you want to use the smartgit installed in Windows to read the repo in Ubuntu
 - `git config --global core.autocrlf false`
 - Edit `C:\Users\%USERNAME%_gitconfig` on Windows [<LINK>](#)

```
[core]
autocrlf = false
eol = lf
```



- Smartgit
 - Run smartgit on Windows
 - Install smartgit in windows
 - Read the repo directly from the mapping network drive
 - If operating in smartgit, it seems to have the file format issue. It will append ^M in each line.
 - Run smartgit on WSLG - [<LINK>](#) (Only valid on Window 11 and latest window 10) - **Suggested for better performance**
- Use Visual Studio Code to open the project
 - Developing in WSL
 - Install the [Remote Development extension pack](#).
 - Type `code .` in the terminal.

- Git in VS Code
 - Install the Git related extensions. (Git History, GitLens and Git Graph are recommended)
 -