Computer Setup Programming

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October 31, 2021

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1 Windows Subsystem for Linux 2 (WSL2)

1.1 Relevant programs & setups

1.1.1 Extras

Git indications Shorten terminal path shown

If you navigate through many directories inside of each other, the terminal gets input line gets very long. This will shorten that to show only the latest 3 directories.

This will also show Git branch and indication about commits to be pushed etc.

1. Download the **.git-completion.bash** and save it as the very same name at `~/.git-completion.bash` . If you want to save it elsewhere, you have to change the first row of the code you are going to copy very soon.

2. Use `sudo chmod +x ~/.git-completion.bash` in order to give permission to the user to run it through `.bashrc` .

3. Copy the code:

```
~/.git-completion.bash

export PROMPT_DIRTRIM=3
PS1_custom='${debian_chroot:+($debian_chroot)}\[\033[01;32m\]\u\[\033[00m\]:\[\\
033[01;34m\]\w\[\033[00m\]\$ '
PS1_original='${debian_chroot:+($debian_chroot)}\[\033[01;32m\]\u@\h\[\033[00m\\
]:\[\033[01;34m\]\w\[\033[00m\]\$ '

if [ "$color_prompt" = yes ]; then
    PS1=$PS1_custom
else
    PS1='${debian_chroot:+($debian_chroot)}\u@\h:\w\$ '
fi
unset color_prompt force_color_prompt

export GIT_PS1_SHOWCOLORHINTS=true
export GIT_PS1_SHOWDIRTYSTATE=true
export GIT_PS1_SHOWUNTRACKEDFILES=true
export GIT_PS1_SHOWUPSTREAM="auto"
# PROMPT_COMMAND='__git_ps1 "\u@\h:\w" "\\\$ "'
# use existing PS1 settings
PROMPT_COMMAND=$(sed -r 's|^(.+)(\\\$\s*)$|__git_ps1 "\1" "\2"|' <<< $PS1)
```

4. Open up `~/.bashrc` and replace/paste the corresponding code similar to:

```
if [ "$color_prompt" = yes ]; then
    PS1='${debian_chroot:+($debian_chroot)}\[\033[01;32m\]\u@\h\[\033[00m\]:\[\\
033[01;34m\]\w\[\033[00m\]\$ '
else
    PS1='${debian_chroot:+($debian_chroot)}\u@\h:\w\$ '
fi
unset color_prompt force_color_prompt
```

5. In Ubuntu, enter `source ~/.bashrc` or restart the terminal.

Fix directory highlight inconsistency

Depending if you have created the directories within Ubuntu WSL directly with `mkdir` or pulled a directory, which were made within Windows, through some version control system; the background or highlight coloring of these directory may vary.

1. Run `dircolors -p > ~/.dircolors` and open `~/.dircolors` in an editor.

2. Find `DIR` , `STICKY_OTHER_VARIABLE` , `STICKY` and write their corresponding values in the comments in case one want to revert the upcoming changes.

3. Find `OTHER_WRITABLE` and copy the variable value, which probably is `34;42` .

4. Replace the values of `DIR` , `STICKY_OTHER_VARIABLE` , `STICKY` with the copied value of `OTHER_WRITABLE` .

5. Restart the Ubuntu terminal.

Disable bell sound when using backspace

If you don't have anything to remove in the terminal and press backspace, you will hear a bell sound. Disable this by entering

`echo 'set bell-style none' > ~/.inputrc`

Restart the terminal.