Prettifying your bash

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@SubatomicSADLM



Windows Subsystem for Linux (WSL)



Surprise! I do all my analyses on Windows. Not even dual-booting Ubuntu!

Technically it does create a virtual partition...



The Windows terminal: Powershell. Only thing it's good for is downloading WSL.

To install: https://docs.microsoft.com/en-us/windows/wsl/install



Terminal program:

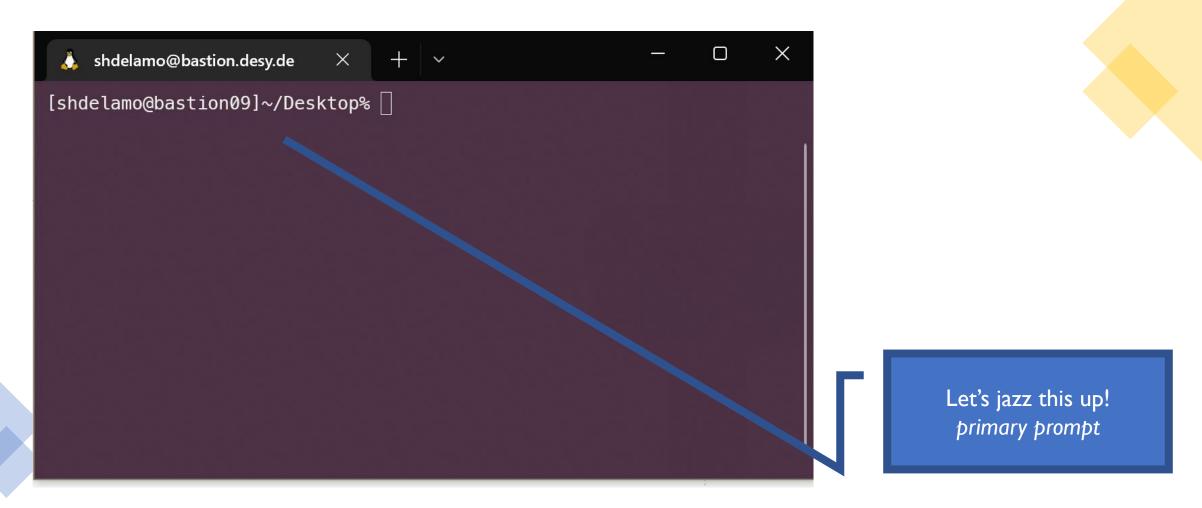
https://apps.microsoft.com/store/detail/windows-terminal/9N0DX20HK70I

For graphics/X forwarding: Xming, https://sourceforge.net/projects/xming/



You can even use an Ubuntu colour scheme, so you can hide from your friends that you're afraid of committing 100% to Linux.

What your terminal might currently look like...

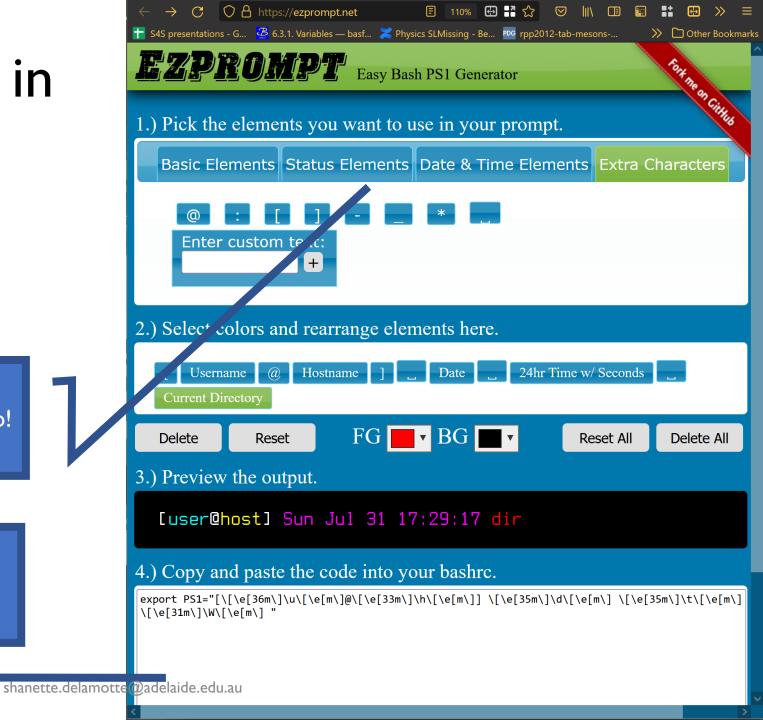


Solution: export PS1 in your bashrc

- PSI:"primary prompt variable"
- www.ezprompt.net

Add your error/git status too!

Just copy and paste the output into your ~/.bashrc!



Starting my terminal @KEKCC

- Additional PSI attrs
 - Wrote small function in bashro that greps the setup release from the env variable \${BELLE2_RELEASE} (or says if gbasf2 is setup via \${GBASF2BIN})
 - Wrote small function to show KEKKCC directory usage from the hquota command

```
👗 Ubuntu
What terminal are you starting? Enter (1-8)
1) python3 3) work
                        5) phoenix 7) ssh
2) diary 4) kekcc
                       6) jack
  KEKCC Work Server (2020)
* Support: https://wiki.kek.jp/display/kekcc
 User Guide: http://bit.ly/kekccguide_ja (ja)
              http://bit.ly/kekccquide en (en)
st If you login the system with ssh public key authentication,
* please use a public/private key pair with a passphrase.
* The system administrator deletes your .ssh directory
 when a private key without a passphrase is detected.
   Type-1 nodes (192GB memory): ccw.cc.kek.jp, login.cc.kek.jp
   Type-2 nodes (384GB memory) : ccx.cc.kek.ip
HOME directorv usage: 86/100 GB (86%)
          16749 0.1 0.0 205096
                                                                                 [priv]
                                 2764 ?
                                                            0:00 sshd:
                                                                                @pts/70
          47509 15.0 0.0 128632
                                  4432 pts/70 Ss+ 17:11
                                                            0:00 -bash
                                 2108 pts/70
                                                    17:11
                                                            0:00 ps aux
                                  972 pts/70
                                                            0:00 grep --color=auto
          62797 0.0 0.0 72552
                                                Ss 17:06 0:00 /usr/bin/ssh-agent
b2file-metadata-show-first-parent kill_jupyter.sh
                                                           shollittpath.txt
binfit
                                   kill ps aux.sh
                                                          storage.txt
del2.out
                                   lept.err
                                                          sub00
del3.out
                                   lept.out
                                                          toget.out
del4.out
                                   phil_analysis
                                                          useful_scripts
del.out
                                   projects
                                                          --user
eclcond95ccf1b005
                                   quick_bash.sh
                                                          usercert.p12
qb2 job kill delete.sh
                                   sadlm modules
                                                          WGSkims
abasf2
                                   setup-phil-analysis.sh
bash: jupyter: command not found...
Initialising new SSH agent...
succeeded
Enter passphrase for /home/belle2/shdelamo/.ssh/id rsa:
Identity added: /home/belle2/shdelamo/.ssh/id_rsa (/home/belle2/shdelamo/.ssh/id_rsa)
Warning: Changing existing PYTHONPATH from :/gpfs/home/belle2/shdelamo/sadlm_modules/ to
/cvmfs/belle.cern.ch/tools
Belle II software tools set up at: /cvmfs/belle.cern.ch/tools
Environment setup for release: light-2203-zeus
Central release directory : /cvmfs/belle.cern.ch/el7/releases/light-2203-zeus
[shdelamo@ccw05][86G / 100GB][light-2203-zeus] Sun Jul 31 17:18:30
```

Starting my terminal @KEKCC



Extra: Using zsh instead of bash

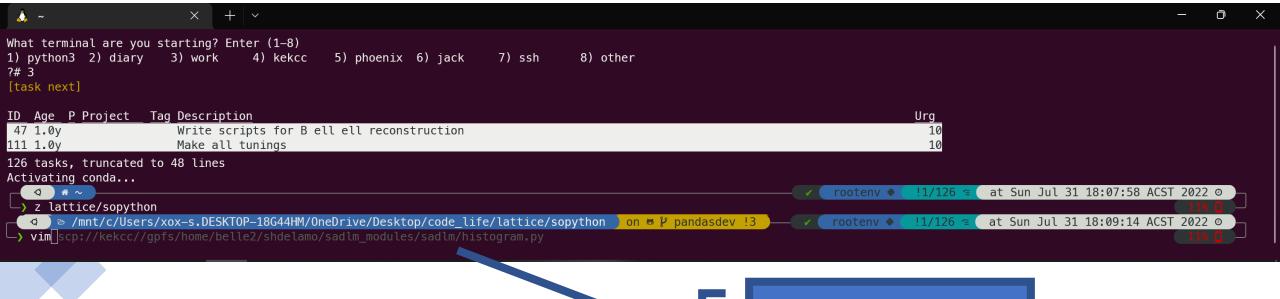


A different shell, uses ~/.zshrc, which is still compatible with bash commands! Just prettier, more powerful.



Install https://ohmyz.sh/ +
https://github.com/romkatv/powerlevel10k

Command prediction!!!



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Danke!

(ps I brought Australian cookies and beer!)

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