

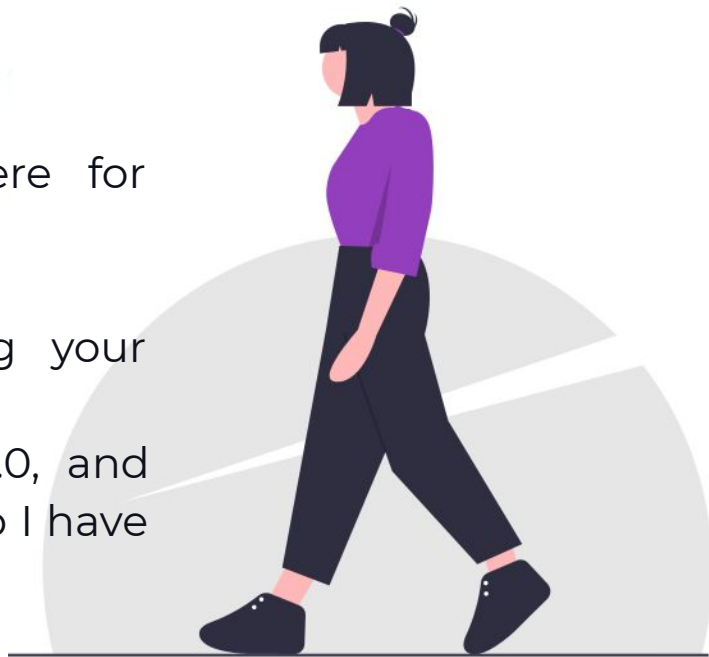


Basic Bash and git Commands and Introduction to IDEs and Virtual Environments

Session 1, 12th Sep 2020

Agenda

1. Is Windows the best OS out there for development?
2. Isn't CLI an old thing?
3. Are you still zipping and emailing your project updates to your peers?
4. My one project requires Django-1.8.0, and another requires Django-2.0.0 how do I have both the versions? (virtualenv)





**Is Windows the best OS
out there for
development?**

Oh shish! An error message popup!

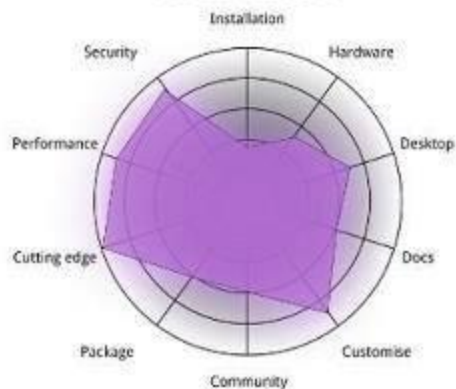
-On Windows- *Uh, ok :/*

-On Mac- **Perhaps if i could upgrade to the newest Mac it wouldn't happen**

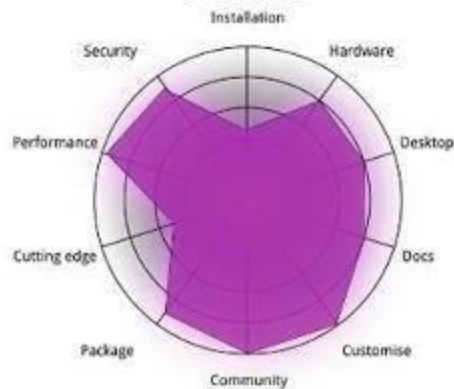
-On Linux- ***Let's see if someone has already solved. Oh cool, there's a hack!***



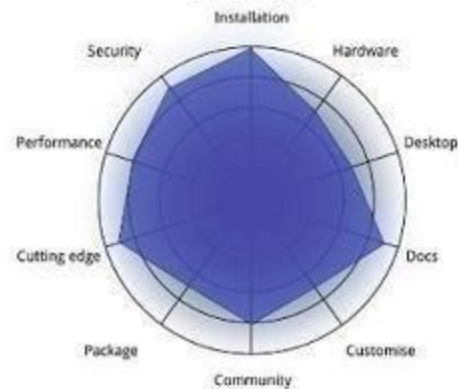
Arch Linux



Debian



Fedora



Linux Mint



OpenSUSE



Ubuntu



600

Almost **six hundred** Linux distributions exist, with close to **five hundred out of those in active development.**



Isn't CLI an old thing?

Advantages of CLI

01	Faster	<ul style="list-style-type: none">• No GUI Overhead• Very Smooth and precise
02	Life Saver	<ul style="list-style-type: none">• Automate most things• Do it directly
03	Friendly	<ul style="list-style-type: none">• Self Explanatory• -h / --help for all commands
04	MAN Pages	<ul style="list-style-type: none">• Easier to read• More concise
05	Cool	<ul style="list-style-type: none">• Can do cool bunch stuffs• Cause It is cool

Basic Commands

ls	rm	df	kill	chown, chmod
cd	mv, cp	ping	top	pwd
mkdir	cat	nano, vi	free	tail



**Are you still zipping and
emailing your project
updates to your peers?**

An Open Source Distributed Version Control System



Features

Control System

Version Control System

Distributed Control System

Terminologies

add	merge	push
commit	rebase	pull-request
branch	pull	status, cherry-picking



Week Work

Week Work

Typing Practice - Find any online softwares.

CLI Practice - On your linux system.

Git Practice - Using CLI.

Learn IDE Shortcuts - for VSCode and Jupyter Notebook.

Make Gradient by paperspace account - free one.

Practice Python from w3schools.com - save all work to your github repo.