

Week Report

Intro to linux

What is an Operating System? it gives the computer all the software features it needs and allows you to use the hardware to make the computer useful.

Aside from a kernel, what other parts make an operating system? The Desktop Environment, Hardware, and Applications.

What is a Linux distribution? A complete linux system package which includes a linux kernel, Core Unix Tools, Supplemental Software, Startup scripts and an installer.

What is Ubuntu? A linux distribution

Define the following terms: Open Source, Closed source, free software
Open Source is a software that is distributed for a fee or free and the source code is put out with the software.
Closed Source is software that is not distributed with software and free software is software that is free but the source code is not available.

What are the 4 freedoms defined by the free software foundation?
Freedom 0- use software for any purpose
Freedom 1- examine the source code and modify it as you want to
Freedom 2- redistribute the software
Freedom 3- redistribute your modified software

Virtualization Basics

What is virtualization? the virtual versions of a computer which allows hardware to be divided and create multiple computers inside of one physical computer

List 3 benefits of virtualization
Allows you to test applications before installing on a host machine
Reduces cost by decreasing the physical hardware that must be purchased on a network
Allows running multiple OSs on one machine without dual booting.

What is a Hypervisor? Software or hardware in charge of creating, managing and running virtual machines.

What is Virtualbox? A open-source high performance product for enterprise customers.

Desktop Environments

What is a desktop environment? (Provide 3 examples)
A implementation made of a bundle of programs running on top of a computer which shares a common GUI
some examples of a desktop environment include GNOME,KDE,and MATE.

List 4 common elements of desktop environments
Icons,Favorites Bar, file manager and desktop settings

What is Ubuntu's default desktop environments? GNOME,Mate

What are the official flavors of Ubuntu? Cinnamon,Xubuntu,XFCE

What is a Shell?

What is Bash? a program that provides interactive access to the linux system.

How do you access the Linux CLI? you can access it with a Terminal Emulator or a Linux Console.

What is a console terminal? a command line interface which is a means of interacting with a computer program.

What is a terminal emulator? a program that allows you access to the linux CLI.

Provide 3 examples of Linux commands Date- shows the current date and time sudo apt install package - installs applications/packages apt search- searches for applications or applications that you wanna use it for

Managing Software

Which command is used for updating ubuntu? sudo apt-get update

Which command is used for installing software. Provide an example. sudo apt install a example is sudo apt install flameshot

Which command is used for removing software. Provide an example. sudo apt remove a example is sudo apt remove flameshot

Which command is used for searching for software. Provide an example apt search example is apt search flameshot

Definition of the following terms: Package - archives that contain binaries of software,configuration files and etc. Library - reusable code that can be used by more than one function or program. Repository - a large collection of software available for download.