

Week Report 3

Summary of Presentations

Introduction to Linux

What is an operating system? Software for phones and computers.

Aside from a kernel, what other parts make an operating system? Command Line Shells GUI Libraries

What is a Linux distribution? running any OS that runs linux kernel

What is Ubuntu? free of charge software and is a linux distribution

Define the following terms: Open Source, Closed source, free software free software- software that is free of charge or obtained by a fee Open source- software that is distributed for a fee or free Closed Source- no access and user restricted

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 see fit Freedom 2:redistribute the software Freedom 3:redistribute your modified software

The basics of Virtualization

What is virtualization? creating virtual versions of something

List 3 benefits of virtualization Allowing to run multiple Operating Systems on one machine Allows to test applications before installing into a host machine Reduces costs by decreasing the physical hardware that must be purchased for network **What is a hypervisor?** software or hardware in charge of creating, managing, and running VMs **What is virtualbox** powerful x86 and AMD64/Intel64 virtualization product that can be used at home. Also freely available as Open Source Software

Exploring Desktop Environments

What is a desktop environment? (Provide 3 examples) Display Manager Desktop Settings Icons **List 4 common elements of desktop environments** GNOME MATE KDE OpenBox **What is Ubuntu's default desktop environments?** display manager **What are the official flavors of Ubuntu?** not sure

What is a Shell?

What is Bash? Bash shells are mostly in every computer now. Free software made by Brian Fox

How do you access the Linux CLI? Terminal Emulator Linux Console

What is a console terminal? 1.) When linux system starts , it automatically creates several virtual consoles. 2.) A virtual console is a terminal session that runs in linux system memory

What is a terminal emulator? program allows you to access the Linux CLI

Provide 3 examples of Linux commands date- todays date cal- calendar free - displays free memory

Managing Software

Which command is used for updating ubuntu `sudo apt update -y`

Which command is used for installing software. Provide an example. `sudo apt install package name -y`

Which command is used for removing software. Provide an example. `sudo apt remove firefox -y`

Which command is used for searching for software. Provide an example. `apt search "web browser"`

Definition of the following terms:

Package - downloading a package consists of files **Library** - your files **Repository** - where my work goes into github