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**Course: Linux Administration (CIS-245-O1A)**

**Subject: Continue Setup**

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**Ubuntu Server**

**First, we start by updating the packages in the server.**

**apt**: **Advance Packaging Tool. It is the command line utility for installing, updating, and removing packages on Ubuntu and Debian Linux distribution.**

**The command is sudo apt-get update. We type our password.**

**Texto

Descripción generada automáticamente**

**Installing Tmux**

**What is Tmux?**

**Tmux is an open-source terminal multiplexer for Unix-like operating systems.**

**The command is sudo apt install tmux**

**Texto

Descripción generada automáticamente**

**Installing emacs**

**What is emacs?**

**When you open a file with emacs, you can just start typing and issue commands at the same time. Command functions in emacs usually involve two or three keys.**

**The command is Sudo apt install emacs**

**Texto

Descripción generada automáticamente**

we type the word ‘**Y**’ to continue with the installing process.

Texto

Descripción generada automáticamente

**Installing Fail2ban**

**What is fail2ban?**

**Fail2Ban is an intrusion prevention software framework that protects computer servers from brute-force attacks.**

**The command is sudo apt install fail2ban**

**Texto

Descripción generada automáticamente**

we type ‘**y**’ to continue the installing process.

**Texto

Descripción generada automáticamente**

**Installing cowsay**

**What is cowsay? Is a program that generates ASCII art pictures of a cow with a message.**

**The command is sudo apt install cowsay**

**Texto

Descripción generada automáticamente**

**Installing lolcat**

**What is lolcat? Lolcat is a utility for Linux, BSD and OSX which concatenates like cat command and adds rainbow coloring to it.**

**The command is Sudo apt install lolcat**

**Texto

Descripción generada automáticamente**

We type ‘**y**’ to continue the installation process.

**Texto

Descripción generada automáticamente**

**Installing Vim**

**What is Vim?** **As we know VI is the standard text editor used in Linux. Vim is a clone of Vi or a new version that includes visual mode, mouse support and new editing commands.**

**Type vim in the command line to see if it is already installed**

**Texto

Descripción generada automáticamente**

**If not, the command is** **sudo apt install vim**

**apt-file: It allows us to search for files in our available repositories.**

**Important notice** apt-file is not installed by default. We must run the following commands to install it.: **sudo apt install apt-file**

**Texto

Descripción generada automáticamente**

We type ‘**y**’ to continue the installation process.

**Texto

Descripción generada automáticamente**

**If for some reason we run into an error running the command apt-file is because we must update the command package.** **The command is** **sudo apt-get update**.

Texto

Descripción generada automáticamente

**The command is apt-file list <filename>:** **Allow us to search for the location of a package**

Texto

Descripción generada automáticamente

Texto

Descripción generada automáticamente

**If we want to see what we have installed, we could also use the** **command apt list –installed.**

**Important notice: If you use apt list –installed | less so you can pipe trough it.**

**This list all the programs that we have in our servers.**

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