Debian package manager practical work

Objectives

After this practical work you will be able to :

- **Find and install packages on Debian using apt**
- **Manage services using Debian**
- **Create some Debian packages**

Practice

apt

We will use a Debian ova file for this practical work. Please do not issue commands directly on your computer.

We will install your first user programm on your brand new server. The main purpose of this server is to troll system administrators! That's why you have been task to install a programm that displays a train in the terminal when someone mistype "ls" command.

- **Search wich package to install and install it**
- **Display a pretty train in your terminal**

You should have noticed installation is slow. To speed this up, we can have a look on other repositories. Check *etc/apt/sources.list* **and switch it to httpredir (google it for what to replace with)**

- **Install now a command that allows to have a configurable talking cow in your terminal... It should allow sysadmins to have fun at work! Also, the install should have been faster...**
- **Is the command limited to cows? Please find a way to display in the terminal a ghost saying "Who gona call".**
- **The cow can do more than just talking, it can even think. Please find a way to make her think something funny...**

Unfortunatly, your manager do not likes the idea of the speaking cow! He fears sysadmin will spend all their time playing with them... You are now tasked to remove the cow.

- **Do it with apt**

DPKG

Use apt --download-only option to download figlet package.

Then perform the following tasks on the .deb file using dpkg command.

- **Is the package installed? Which command did you used to answer ?**
- **Check the location of what will be installed.**
- **Display package license**
- **Display version**
- **Install figlet**
- **Read man pages for figlet. What does it do ?**
- **Use figlet to display some text...**
- **Uninstall it**

Apt job is to download .deb, manage dependancies, and call dpkg for you.

Create a package

We will now create our own package!

- **Write a hello world script using bash programming language**
- **Build a deb file that install script in /usr/bin. You can follow online resources (https://ubuntuforums.org/showthread.php?t=910717).**
- **Install the package using dpkg**
- **Check it is in /usr/bin . Use hello world command you just created.**

Congratulation, you might be soon a Debian packager !