Terminal is fun (Really)

Train yourself to use command line to your interest in order to install and upgrade different packages. Using GUI for installing applications might be convenient, but contrary, the terminal is a fast approach for this purpose. You will learn how to manage your softwares via apt-get.

What is apt-get?

apt-get is a friendly command line tool to interact with the packaging
system.

It requires administrator privileges (super user accessibility), henceforth, we'll be using sudo with apt-get.

It can be used to find new packages, install, update and upgrade them.

Using apt-get Commands:

Following are several functions that can be performed via apt-get.

Updating Package Database:

The first task to execute on any Linux system after a fresh install is to run an update on the local packages' database. Without updating, the system wouldn't know of any new available packages.

sudo apt-get update

Upgrading Packages:

Once you have updated all applications, you can now upgrade all of them to their latest versions available.

sudo apt-get upgrade

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To upgrade some specific package:

sudo apt-get upgrade <package_name>



Difference between apt-get update and apt-get upgrade:

apt-get update only updates the database of packages, i.e. the database will become aware that for some package abc, a newer version is available.

apt-get upgrade renews the
packages to their latest versions.

Installing Packages:

You can install any specific package using apt-get. For example, to install the vim editor:

sudo apt-get install vim



Removing Packages:

apt-get remove removes binary files of a package and leaves the configuration files untouched.

sudo apt-get remove <package name>



apt get purge removes anything associated with the package including the conguration files.

sudo apt-get purge <package_name>



Using apt-cache to Search for Packages

If you want to search for packages or get information about them, you can use this command. You don't even have to use sudo here.

apt-cache search <search_term>