

List installed packages using command line

Source: <https://linuxconfig.org/list-installed-packages-on-ubuntu-18-04-bionic-beaver-linux>

Using command line will give user more precise results. There are several ways how to list installed packages on Ubuntu system. The first tool we are going to look at is `apt`. The below `apt` command will list all installed packages as well as its version number:

```
$ apt list --installed
```

Alternative to the above command is the `dpkg` command. The next command will list installed packages, including version number, architecture and short package description:

```
$ dpkg -l | grep ^ii
```

The following `linux command` will count all installed packages:

```
$ dpkg -l | grep ^ii | wc -l  
495
```

The following `linux command` will list (one app per line) all installed packages that have a launcher:

```
$ ls -l cd /usr/share/applications/
```

Note, if you are searching for a particular package name, then use `grep` command to search for its name. For example let's search for a package `wget` to see whether it is installed:

```
$ dpkg -l | grep ^ii | grep -i wget  
ii  wget          1.19.4-1ubuntu2      amd64      retrieves files from the web
```

If the above command does not produce any output it means that the `wget` package is not installed yet.