

# CheatSheet: Ubuntu Apt

## LINUX

- PDF Link: [cheatsheet-apt-A4.pdf](#), Category: linux
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-apt-A4>
- Related posts: CheatSheet: shell, #denny-cheatsheets

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## 1.1 Install packages in Debian/Ubuntu

| Name                       | Command  |
|----------------------------|--|
| Install apt-add-repository | <code>apt-get install software-properties-common</code>                |
| Install ps                 | <code>apt-get update &amp;&amp; apt-get install -y procps</code>       |
| Install ping               | <code>apt-get update &amp;&amp; apt-get install -y iputils-ping</code> |
| Install ssh/scp            | <code>apt-get install openssh-client</code>                            |

## 1.2 Basic

| Name                                    | Command   |
|---|---|
| Install package for a given version     | <code>apt-get install ruby2.3 ruby2.3-dev</code>  |
| Start a ubuntu test container           | <code>docker run --rm -t -i --privileged --name test --entrypoint=/bin/sh ubuntu</code> |
| Start a ubuntu kubernetes pod           | <code>kubect1 run --rm -i -t --image=ubuntu:14.04 test -- sh</code>                     |
| Parse log for install/remove operations | <code>grep 'install ' /var/log/dpkg.log, grep 'remove ' /var/log/dpkg.log</code>        |
| dpkg/aptitude/apt/apt-get               |   |

## 1.3 dpkg

| Name   | Command                       |
|--|-------------------------------|
| List all installed packages                            | <code>dpkg -l</code>          |
| Install deb package                                    | <code>dpkg -i some.deb</code> |
| Remove a package including conf files                  | <code>dpkg -P some.deb</code> |
| Check whether a package file has been installed before | <code>dpkg -s some.deb</code> |

## 1.4 Apt

| Name                          | Command  |
|-------------------------------|--|
| Update packages               | <code>apt update, apt update -y</code>                     |
| Upgrade all existing packages | <code>apt upgrade</code>                                   |
| Install/remove package        | <code>apt install curl, which curl, apt remove curl</code> |
| Search package                | <code>apt search curl</code>                               |

## 1.5 apt-get

| Name                     | Command  |
|--------------------------|--|
| Install/remove package   | <code>apt-get install curl, which curl, apt-get remove curl</code> |
| Download without install | <code>apt-get download curl, ls -lth curl*.deb</code>              |
| Update package list      | <code>apt-get update</code>  |

## 1.6 apt-cache

| Name                              | Command                              |
|-----------------------------------|--------------------------------------|
| Search package                    | <code>apt-cache search curl</code>   |
| Show package records              | <code>apt-cache show curl</code>     |
| Show package reverse dependencies | <code>apt-cache rdepends curl</code> |

## 1.7 More Resources

License: Code is licenapt under MIT License.

<https://github.com/trimstray/apt-essentials>