

# 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>