



# apt Cheat Sheet

A Linux package manager on dpkg distributions, including Debian, Ubuntu, Mint, elementary, and many more.

## Finding software

*Search for software by name or description. Package groups provide related applications together.*

<code>apt search foo</code>	Search for package <b>foo</b> in repository
<code>apt-file search foo</code>	Find packages that provide <b>foo</b>
<code>aptitude</code>	Launch the ncurses-based front-end to apt
<code>synaptic</code>	Launch the synaptic GUI front-end to apt

## Get info about software

<code>apt show foo</code>	List install status and metadata of package <b>foo</b>
<code>apt-file --list foo</code>	List all files included in package <b>foo</b>

## Installing and uninstalling software

*Packages and groups of packages can be installed and uninstalled by name.*

<code>apt update</code>	Update package information (before install or update)
<code>apt upgrade</code>	Upgrade all packages to the latest available version (use <b>-f</b> to fix any broken packages)
<code>apt install foo</code>	Install package <b>foo</b> (use <b>-y</b> to skip confirmation)
<code>apt remove foo</code>	Uninstall package <b>foo</b>
<code>apt purge foo</code>	Uninstall package <b>foo</b> and remove its configuration files

## Downloading packages



To archive a package for later use, or to modify it, you can download it using `apt`.

<code>apt download foo</code>	Download package <b>foo</b> to current directory, but do not install
<code>apt depends foo</code>	Show all packages <code>foo</code> depends on (use <b>--installed</b> for only those already installed)
<code>apt source foo</code>	Download the source code for <b>foo</b> (not a package)

## Dependencies

<code>apt autoremove</code>	Remove unneeded package files from cache
<code>apt autoclean</code>	Remove outdated package files from cache
<code>apt clean</code>	Remove all package files from cache
<code>apt -f install</code>	Fix broken dependencies, by installing needed or removing package causing problem
<code>apt build-dep foo</code>	Install build dependencies for package/spec/SRPM

## Repositories

<code>add-apt-repository -L</code>	List configured repositories (use <b>-s</b> to include source repositories)
<code>egrep -r --include '*.list' '(deb deb-src) ' /etc/apt/sources.list*</code>	List all registered repositories
<code>add-apt-repository powertools</code>	Enable repo named <b>powertools</b>
<code>add-apt-repository -U https://example.com/updates/x86_64</code>	Add and enable repo (URL target must contain a valid repodata/repomd.xml file)