



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 foo in repository
<code>apt-file search foo</code>	Find packages that provide foo
<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 foo
<code>apt-file --list foo</code>	List all files included in package foo

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 -f to fix any broken packages)
<code>apt install foo</code>	Install package foo (use -y to skip confirmation)
<code>apt remove foo</code>	Uninstall package foo
<code>apt purge foo</code>	Uninstall package foo 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 foo to current directory, but do not install
<code>apt depends foo</code>	Show all packages <code>foo</code> depends on (use --installed for only those already installed)
<code>apt source foo</code>	Download the source code for foo (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	Remove outdated package files from cache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 -s 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 powertools
<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)