



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.

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|----------------------------------|---|
| <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

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|----------------------------------|--|
| <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.

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|------------------------------|---|
| <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`.

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|-------------------------------|---|
| <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

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| <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 | Remove outdated package files from cache |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

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|--|--|
| <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) |