



# dnf Cheat Sheet

A Linux package manager on RPM distributions, including Fedora, CentOS, RHEL, OpenMandriva, and Mageia.

## Finding software

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

<code>dnf search foo</code>	Search for package <b>foo</b> in repository
<code>dnf provides foo</code>	Find packages that provide <b>foo</b>
<code>dnf download --url foo</code>	Display URL of where <b>foo</b> can be downloaded
<code>dnf group list --verbose</code>	List available package groups
<code>gnome-software</code>	Launch the GNOME Software center

## Get info about software

<code>dnf info foo</code>	List install status and metadata of package <b>foo</b>
<code>dnf info @design-suite</code>	List packages in the group named <b>design-suite</b>
<code>dnf repoquery --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>dnf install foo</code>	Install package <b>foo</b> (use <b>-y</b> to skip confirmation)
<code>dnf install @design-suite</code>	Install the package group named <b>design-suite</b>
<code>dnf remove foo</code>	Uninstall package <b>foo</b>





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## Downloading packages

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

<code>dnf download foo</code>	Download package <b>foo</b> , but do not install
<code>dnf download --resolve foo</code>	Download <b>foo</b> and missing dependencies (do not install)
<code>dnf download --resolve \ --alldeps foo</code>	Download <b>foo</b> and all dependencies (even ones already installed), but do not install
<code>dnf download --source foo</code>	Download the source RPM (SRPM) for <b>foo</b>

## Dependencies

<code>dnf repoquery --deplist foo</code>	List dependencies (and packages) required by <b>foo</b>
<code>dnf --allowerasing</code>	Remove packages as needed to resolve dependencies
<code>dnf --skip-broken</code>	Skip packages with unsolvable dependencies
<code>dnf builddep foo</code>	Install build dependencies for package/spec/SRPM

## Repositories

<code>dnf repolist</code>	List enabled repositories
<code>dnf repolist --all</code>	List all registered repositories
<code>dnf config-manager --enable powertools</code>	Enable repo named <b>powertools</b>
<code>dnf config-manager --add-repo \ https://example.com/updates/x86_64</code>	Add and enable repo (URL target must contain a valid repodata/repomd.xml file)
<code>dnf config-manager --dump</code>	Show current configuration values

