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.

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

Get info about software

`dnf info foo`	List install status and metadata of package **foo**
`dnf info @design-suite`	List packages in the group named **design-suite**
`dnf repoquery --list foo`	List all files included in package **foo**

Installing and uninstalling software

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

`dnf install foo`	Install package **foo** (use **-y** to skip confirmation)
`dnf install @design-suite`	Install the package group named **design-suite**
`dnf remove foo`	Uninstall package **foo**

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Downloading packages

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

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

Dependencies

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

Repositories

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