

# Zypper Cheat Sheet

More Information:

[https://en.opensuse.org/SDB:Zypper\\_usage](https://en.opensuse.org/SDB:Zypper_usage) or type `man zypper` on a terminal

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For Zypper version 1.0.9

## Basic Help

`zypper #list` the available global options and commands  
`zypper help [command]` #Print help for a specific command  
`zypper shell` or `zypper sh` #Open a zypper shell session

## Repository Management

### Listing Defined Repositories

`zypper repos` or `zypper lr`

Examples:

`zypper lr -u` #include repo URI on the table  
`zypper lr -P` #include repo priority and sort by it

### Refreshing Repositories

`zypper refresh` or `zypper ref`

Examples:

`zypper ref packman main` #specify repos to be updated  
`zypper ref -f upd` #force update of repo 'upd'

### Modifying Repositories

`zypper modifyrepo` or `zypper mr`

Examples:

`zypper mr -d 6` #disable repo #6  
`zypper mr -rk -p 70 upd` #enable autorefresh and rpm files 'caching' for 'upd' repo and set its priority to 70  
`zypper mr -Ka` #disable rpm files caching for all repos  
`zypper mr -kt` #enable rpm files caching for remote repos

### Adding Repositories

`zypper addrepo` or `zypper ar` #followed by the repo url and alias

Example:

`zypper ar http://download.opensuse.org/update/11.1/ update`

### Removing Repositories

`zypper removerepo` or `zypper rr`

Examples:

`zypper rr packman main`

### Renaming Repositories (for the alias only)

`zypper namerepo` or `zypper nr`

Examples:

`zypper nr 3 upd`

## Package Management

### Selecting Packages

By capability name:

`zypper in 'perl(Log::Log4perl)'`  
`zypper in qt`

By capability name and/or architecture and/or version

`zypper in 'zypper<0.12.10'`  
`zypper in zypper.i586=0.12.11`

By exact package name (--name)

`zypper in -n ftp`

By exact package name and repository (implies --name)

`zypper in factory:zypper`

By package name using wildcards

`zypper in yast*ftp*`

By specifying a .rpm file to install

`zypper in skype-2.0.0.72-suse.i586.rpm`

### Installing Packages

`zypper install` or `zypper in`

Examples:

`zypper install git`

By capability they provide

`zypper in MozillaFirefox \< 3`

Others

`zypper in yast*` #install all yast modules

`zypper in -t pattern lamp_server` #install lamp\_server pattern (packages needed for a LAMP server)

`zypper in vim -emacs` #install vim and remove emacs

`zypper in amarok upd:libxine1` #install libxine1 from upd

### Removing Packages

`zypper remove` or `zypper rm`

Examples:

`zypper remove sqlite`

### Export/Import Repositories

`zypper repos --export` or `zypper lr -e`

Examples:

`zypper lr --export backups/repos/foo.repo`  
`zypper ar backups/repos/foo.repo` #import

### Source Packages and Build Dependencies

`zypper source-install` or `zypper si`

Examples:

`zypper si zypper`

Install only the source package

`zypper in -D zypper`

Install only the build dependencies

`zypper in -d zypper`

### Updating Packages

`zypper update` or `zypper up`

Examples:

`zypper up` #update all installed packages with newer version as far as possible

`zypper up libzypp zypper` #update libzypp and zypper

`zypper in sqlite3` #update sqlite3 or install if not yet installed

## Zypper in Scripts and Applications

### Non Interactive Mode

`zypper --non-interactive`

Examples:

`zypper --non-interactive patch` #skips all interactive patches which would require user confirmation

### No GPG Checks Mode

`zypper --no-gpg-checks`

### Auto-agree with Licenses

`zypper --auto-agree-with-licenses`

### Quiet Output

`zypper --quiet`

### XML Output

`zypper --xmlout`