zypper openSUSE package manager

CONCEPTS

Every command has a short alias: in, rm, se, if, up, lu, lr, ar, ref, pch. Global options such as -n and --no-refresh go before the command.

Repositories /etc/zypp/repos.d
↓ refresh
Solver libzypp, one transaction
↓ confirm, download
RPM transaction install / remove / update
↓ logged
History /var/log/zypp/history

update only moves to newer versions inside the current repos and never changes vendor or removes packages. dup (dist-upgrade) may switch vendor, downgrade or remove: use it on Tumbleweed and for release upgrades.

UPDATE AND UPGRADE

zypper lu
List available updates

sudo zypper up
Update all installed packages

sudo zypper up *<pkg>*
Update one package

sudo zypper dup
Distribution upgrade (full sync)

sudo zypper dup --releasever *<ver>*
Switch release during upgrade

zypper lp
List needed patches

sudo zypper patch
Apply all needed patches

sudo zypper patch --category security
Only security patches

sudo zypper up -D
Dry run, change nothing

sudo zypper -n up
No prompts, for scripts

INSTALL AND REMOVE

sudo zypper in *<pkg>*
Install a package

INSTALL AND REMOVE (cont.)

sudo zypper in *<pkg1> <pkg2>*
Install several at once

sudo zypper in --no-recommends *<pkg>*
Skip recommended extras

sudo zypper in -r *<repo> <pkg>*
Install from one repo

sudo zypper in *<file>*.rpm
Install a local RPM

sudo zypper in -t pattern *<name>*
Install a pattern

sudo zypper rm *<pkg>*
Remove a package

sudo zypper rm -u *<pkg>*
Remove with unused dependencies

SEARCH AND INSPECT

zypper se *<term>*
Search names and summaries

zypper se -i *<term>*
Search installed only

zypper se -s *<term>*
Show versions and repos

zypper wp *<file or cap>*
What provides this

zypper if *<pkg>*
Show package details

REPOSITORIES

zypper lr
List repositories

sudo zypper ar -f *<url> <alias>*
Add a repo with autorefresh

sudo zypper rr *<alias>*
Remove a repository

sudo zypper ref
Refresh all repos

LOCKS AND MAINTENANCE

sudo zypper al *<pkg>*
Lock a package

zypper ll
List locks