



# zypper Command Cheat Sheet

openSUSE Leap & SUSE quick reference for everyday package management

computingforgeeks.com

Tested: zypper 1.14.95 / openSUSE Leap 16.0

## UPDATE AND UPGRADE

<code>zypper ref</code>	Refresh repository metadata (alias: ref)
<code>zypper up</code>	Update installed packages to newer versions
<code>zypper lu</code>	List available updates without installing
<code>zypper patch</code>	Apply official maintenance patches (security and bugfix)
<code>zypper patch-check</code>	Count needed patches and security patches
<code>zypper dup</code>	Distribution upgrade, for release jumps and vendor changes

## INSTALL AND REMOVE

<code>zypper in nginx</code>	Install one or more packages (alias: in)
<code>zypper in -y nginx</code>	Install without the confirmation prompt
<code>zypper rm nginx</code>	Remove a package (alias: rm)
<code>zypper rm -u nginx</code>	Remove a package and its now-unused dependencies
<code>zypper in --from packman ffmpeg</code>	Install from one specific repository
<code>zypper install-new-recommends</code>	Pull newly recommended packages (e.g. after adding NVIDIA)

## SEARCH AND INSPECT

<code>zypper se vim</code>	Search package names and summaries (alias: se)
<code>zypper se -s vim</code>	Search showing version, arch, and repo
<code>zypper se --provides /usr/bin/dig</code>	Find which package provides a file or capability
<code>zypper if zypper</code>	Show package info: version, repo, size (alias: if)
<code>zypper pt</code>	List available patterns (package groups)
<code>zypper in -t pattern devel_basis</code>	Install a whole pattern at once

## REPOSITORY MANAGEMENT

<code>zypper lr</code>	List configured repositories (alias: lr)
<code>zypper lr -u</code>	List repositories with their URIs
<code>zypper ar URL alias</code>	Add a repository (alias: ar)
<code>zypper mr -d alias</code>	Disable a repository
<code>zypper mr -e alias</code>	Enable a repository
<code>zypper rr alias</code>	Remove a repository (alias: rr)

## LOCKS AND CLEANUP

<code>zypper al docker</code>	Add a lock to hold a package at its current version
<code>zypper ll</code>	List active package locks
<code>zypper rl docker</code>	Remove a package lock
<code>zypper ps -s</code>	Show services that need restarting after updates
<code>zypper clean -a</code>	Clear cached metadata and downloaded packages
<code>zypper purge-kernels</code>	Remove old kernels per the multiversion policy

## RELEASE UPGRADE (LEAP 15 TO 16)

<code>sudo opensuse-migration-tool</code>	Guided 15.6 to 16 migration (the supported path)
<code>sudo zypper --releasever 16.0 ref</code>	Point repository metadata at the 16.0 release
<code>sudo zypper --releasever 16.0 dup --allow-vendor-change</code>	Manual release upgrade
<code>sudo zypper dup --from packman --allow-vendor-change</code>	Switch multimedia packages to Packman