

[howto](#), [zypper](#), [cheatsheet](#), [suse](#)

Zypper Cheat-Sheet

- <https://en.opensuse.org/images/1/17/Zypper-cheat-sheet-1.pdf>
- <https://en.opensuse.org/images/3/30/Zypper-cheat-sheet-2.pdf>

Local copy:

- zypper-cheat-sheet-1.pdf
- zypper-cheat-sheet-2.pdf

List available package versions

- <https://superuser.com/questions/791907/zypper-how-to-list-different-available-versions-of-a-package>

```
zypper search -s chromium
```

| S | Name | Type | Version | Arch | Repository |
|------------------|---------------------------------|------------|----------------------------|--------|-------------------|
| | chromium | package | 113.0.5672.126-1.2 | x86_64 | Main |
| Repository (OSS) | chromium-bsu | package | 0.9.16.1-1.21 | x86_64 | Main |
| Repository (OSS) | chromium-ffmpeg-extra | package | 103.0.5060.114-1699.2.pm.3 | x86_64 | Packman |
| | chromium-ffmpeg-extra | srcpackage | 103.0.5060.114-1699.2.pm.3 | noarch | Packman |
| | chromium-ffmpeg-extra | srcpackage | 96.0.4664.110-1.3 | noarch | Packman |
| | chromium-ffmpeg-extra-debuginfo | package | 103.0.5060.114-1699.2.pm.3 | x86_64 | Packman |
| | chromium-plugin-widevinecdm | package | 4.10.2557.0-1.5 | x86_64 | Packman |
| | chromium-plugin-widevinecdm | srcpackage | 4.10.2557.0-1.5 | noarch | Packman |
| | chromium-uget-integrator | package | 1.0.0-2.13 | x86_64 | Main |
| Repository (OSS) | ungoogled-chromium | package | 113.0.5672.126-1.1 | x86_64 | (System Packages) |
| v | ungoogled-chromium | package | 113.0.5672.126-1.2 | x86_64 | Main |
| Repository (OSS) | ungoogled-chromium-chromedriver | package | 113.0.5672.126-1.2 | x86_64 | Main |
| Repository (OSS) | | | | | |

reinstall all packages

- <https://unix.stackexchange.com/questions/299548/how-to-reinstall-all-installed-packages-with-zypper>

```
zypper in --no-recommends --download-in-advance -f $(rpm -qa --qf '%{NAME}')
```

find out which Packages got installed via a specific repository

- <https://superuser.com/questions/65560/zypper-how-do-i-display-all-packages-from-a-certain-repository>

```
zypper ref
```

```
Retrieving repository 'Applications for education users (openSUSE_Tumbleweed)' metadata
.....[error]
Repository 'Applications for education users (openSUSE_Tumbleweed)' is invalid.
[Education]https://download.opensuse.org/repositories/Education/openSUSE_Tumbleweed/ Valid metadata not
found at specified URL
```

```
History:
- Download (curl) error for
'https://download.opensuse.org/repositories/Education/openSUSE_Tumbleweed/repdata/fb10493ed91b8b6584fff
eb6fc845532a38bc819c12d813c31dcf502bb3a339739f871541bd60d5818598dc746fee4a32b6be2be6b09ebac092145ceb0de0
08b-filelists-ext.xml.gz':
  Error code: Curl error 47
  Error message: Maximum (6) redirects followed
- Can't provide
./repodata/fb10493ed91b8b6584fffefeb6fc845532a38bc819c12d813c31dcf502bb3a339739f871541bd60d5818598dc746fee
4a32b6be2be6b09ebac092145ceb0de008b-filelists-ext.xml.gz

Please check if the URIs defined for this repository are pointing to a valid repository.
Skipping repository 'Applications for education users (openSUSE_Tumbleweed)' because of the above error.
Repository 'Emulators (openSUSE_Tumbleweed)' is up to date.
Repository 'Google-Chrome' is up to date.
Repository 'VLC' is up to date.
Repository 'devel repository for Factory updates (openSUSE_Tumbleweed)' is up to date.
Repository 'AnyDesk OpenSUSE - stable' is up to date.
Repository 'Main Repository (NON-OSS)' is up to date.
Repository 'Main Repository (OSS)' is up to date.
Repository 'Main Update Repository' is up to date.
Repository 'gitlab.com_paulcarroty_vscodium_repo' is up to date.
Repository 'google-chrome' is up to date.
Repository 'Graphics Project (openSUSE_Tumbleweed)' is up to date.
Retrieving repository 'Hardware tools (openSUSE_Tumbleweed)' metadata
.....
.....[error]
Repository 'Hardware tools (openSUSE_Tumbleweed)' is invalid.
[hardware|https://download.opensuse.org/repositories/hardware/openSUSE_Tumbleweed/] Valid metadata not
found at specified URL
History:
- Download (curl) error for
'https://download.opensuse.org/repositories/hardware/openSUSE_Tumbleweed/repdata/8bbc62d6faf4f38b3bf776
a62fb7b10e3ac2d3106c941db5998ad01826b5c419bb88b333014d6c852c5aa0c176ac317aee8c2b56cc6806ca8c07b0dcbac56e
03-filelists-ext.xml.gz':
  Error code: Curl error 47
  Error message: Maximum (6) redirects followed
- Can't provide
./repodata/8bbc62d6faf4f38b3bf776a62fb7b10e3ac2d3106c941db5998ad01826b5c419bb88b333014d6c852c5aa0c176ac3
17aee8c2b56cc6806ca8c07b0dcbac56e03-filelists-ext.xml.gz

Please check if the URIs defined for this repository are pointing to a valid repository.
Skipping repository 'Hardware tools (openSUSE_Tumbleweed)' because of the above error.
Repository 'hardware:razer (openSUSE_Tumbleweed)' is up to date.
Repository 'Packman' is up to date.
Repository 'picoSCOPE' is up to date.
Repository 'Open H.264 Codec (openSUSE_Tumbleweed)' is up to date.
Repository 'snappy' is up to date.
Repository 'TeamViewer - x86_64' is up to date.
Repository 'all the small tools for the shell (openSUSE_Factory)' is up to date.
Some of the repositories have not been refreshed because of an error.
```

```
zypper lr
```

```
Repository priorities in effect:
(See 'zypper lr -P' for details)
 90 (raised priority) : 1 repository
 99 (default priority) : 19 repositories

# | Alias | Name |
Enabled | GPG Check | Refresh |
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 | Education | Applications for education users (openSUSE_Tumbleweed) |
Yes | (r) Yes | No |
2 | Emulators | Emulators (openSUSE_Tumbleweed) |
Yes | (r) Yes | No |
```

| | | | | | |
|-----|--|--------------------------------------|--|--|--|
| 3 | | Google-Chrome | | Google-Chrome | |
| Yes | | (r) Yes | | No | |
| 4 | | VLC | | VLC | |
| Yes | | (r) Yes | | Yes | |
| 5 | | X11_common_Factory | | devel repository for Factory updates (openSUSE_Tumbleweed) | |
| Yes | | (r) Yes | | No | |
| 6 | | anydesk | | AnyDesk OpenSUSE - stable | |
| Yes | | (r) Yes | | No | |
| 7 | | download.opensuse.org-non-oss | | Main Repository (NON-OSS) | |
| Yes | | (r) Yes | | Yes | |
| 8 | | download.opensuse.org-oss | | Main Repository (OSS) | |
| Yes | | (r) Yes | | Yes | |
| 9 | | download.opensuse.org-tumbleweed | | Main Update Repository | |
| Yes | | (r) Yes | | Yes | |
| 10 | | gitlab.com_paulcarroty_vscodium_repo | | gitlab.com_paulcarroty_vscodium_repo | |
| Yes | | (r) Yes | | No | |
| 11 | | google-chrome | | google-chrome | |
| Yes | | (r) Yes | | Yes | |
| 12 | | graphics | | Graphics Project (openSUSE_Tumbleweed) | |
| Yes | | (r) Yes | | No | |
| 13 | | hardware | | Hardware tools (openSUSE_Tumbleweed) | |
| Yes | | (r) Yes | | No | |
| 14 | | hardware_razer | | hardware:razer (openSUSE_Tumbleweed) | |
| Yes | | (r) Yes | | No | |
| 15 | | openSUSE-20230209-0 | | openSUSE-20230209-0 | |
| No | | ---- | | ---- | |
| 16 | | packman | | Packman | |
| Yes | | (r) Yes | | Yes | |
| 17 | | picoscope | | picoscope | |
| Yes | | (r) Yes | | No | |
| 18 | | repo-debug | | openSUSE-Tumbleweed-Debug | |
| No | | ---- | | ---- | |
| 19 | | repo-openh264 | | Open H.264 Codec (openSUSE Tumbleweed) | |
| Yes | | (r) Yes | | Yes | |
| 20 | | repo-source | | openSUSE-Tumbleweed-Source | |
| No | | ---- | | ---- | |
| 21 | | snappy | | snappy | |
| Yes | | (r) Yes | | Yes | |
| 22 | | teamviewer | | TeamViewer - x86_64 | |
| Yes | | (r) Yes | | No | |
| 23 | | utilities | | all the small tools for the shell (openSUSE_Factory) | |
| Yes | | (r) Yes | | No | |

```
# zypper pa -ir <repo_name_or_number>
zypper pa -ir 1
```

```
Loading repository data...
Reading installed packages...
S | Repository | Name | Version
| Arch | | |
-----+-----+-----+-----
i+ | Applications for education users (openSUSE_Tumbleweed) | javapackages-filesystem | 6.1.0-145.1
| x86_64
v | Applications for education users (openSUSE_Tumbleweed) | javapackages-filesystem | 6.1.0-145.1
| i586
i+ | Applications for education users (openSUSE_Tumbleweed) | javapackages-tools | 6.1.0-145.1
| x86_64
v | Applications for education users (openSUSE_Tumbleweed) | javapackages-tools | 6.1.0-145.1
| i586
i+ | Applications for education users (openSUSE_Tumbleweed) | libblas3 | 3.9.0-62.7
| x86_64
v | Applications for education users (openSUSE_Tumbleweed) | libblas3 | 3.9.0-62.7
| i586
i+ | Applications for education users (openSUSE_Tumbleweed) | libblas3-32bit | 3.9.0-62.7
| x86_64
i+ | Applications for education users (openSUSE_Tumbleweed) | libbox2d2 | 2.4.1-16.69
| x86_64
```

| | | | |
|----|--|-----------------------|---------------|
| v | Applications for education users (openSUSE_Tumbleweed) | libbox2d2 | 2.4.1-16.69 |
| | i586 | | |
| i+ | Applications for education users (openSUSE_Tumbleweed) | libcbblas3 | 3.9.0-62.7 |
| | x86_64 | | |
| v | Applications for education users (openSUSE_Tumbleweed) | libcbblas3 | 3.9.0-62.7 |
| | i586 | | |
| i+ | Applications for education users (openSUSE_Tumbleweed) | libcbblas3-32bit | 3.9.0-62.7 |
| | x86_64 | | |
| i+ | Applications for education users (openSUSE_Tumbleweed) | libenca0 | 1.19-43.26 |
| | x86_64 | | |
| v | Applications for education users (openSUSE_Tumbleweed) | libenca0 | 1.19-43.26 |
| | i586 | | |
| i+ | Applications for education users (openSUSE_Tumbleweed) | libfftw3-3 | 3.3.10-5.38 |
| | x86_64 | | |
| v | Applications for education users (openSUSE_Tumbleweed) | libfftw3-3 | 3.3.10-5.38 |
| | i586 | | |
| i+ | Applications for education users (openSUSE_Tumbleweed) | libfftw3_threads3 | 3.3.10-5.38 |
| | x86_64 | | |
| v | Applications for education users (openSUSE_Tumbleweed) | libfftw3_threads3 | 3.3.10-5.38 |
| | i586 | | |
| i+ | Applications for education users (openSUSE_Tumbleweed) | libgnustep-base1_29 | 1.29.0-45.20 |
| | x86_64 | | |
| v | Applications for education users (openSUSE_Tumbleweed) | libgnustep-base1_29 | 1.29.0-45.20 |
| | i586 | | |
| i+ | Applications for education users (openSUSE_Tumbleweed) | libgtxglext-x11-1_0-0 | |
| | 1.2.0git20110529-20.12 x86_64 | | |
| v | Applications for education users (openSUSE_Tumbleweed) | libgtxglext-x11-1_0-0 | |
| | 1.2.0git20110529-20.12 i586 | | |
| i+ | Applications for education users (openSUSE_Tumbleweed) | liblapack3 | 3.9.0-62.7 |
| | x86_64 | | |
| v | Applications for education users (openSUSE_Tumbleweed) | liblapack3 | 3.9.0-62.7 |
| | i586 | | |
| i+ | Applications for education users (openSUSE_Tumbleweed) | liblapack3-32bit | 3.9.0-62.7 |
| | x86_64 | | |
| i+ | Applications for education users (openSUSE_Tumbleweed) | libtbb12 | 2021.9.0-98.1 |
| | x86_64 | | |
| v | Applications for education users (openSUSE_Tumbleweed) | libtbb12 | 2021.9.0-98.1 |
| | i586 | | |
| i+ | Applications for education users (openSUSE_Tumbleweed) | python310-numpy | 1.25.1-140.1 |
| | x86_64 | | |
| v | Applications for education users (openSUSE_Tumbleweed) | python310-numpy | 1.25.1-140.1 |
| | i586 | | |
| i+ | Applications for education users (openSUSE_Tumbleweed) | python311-numpy | 1.25.1-140.1 |
| | x86_64 | | |
| v | Applications for education users (openSUSE_Tumbleweed) | python311-numpy | 1.25.1-140.1 |
| | i586 | | |
| i+ | Applications for education users (openSUSE_Tumbleweed) | scratch | 1.4.0-4.17 |
| | x86_64 | | |
| v | Applications for education users (openSUSE_Tumbleweed) | scratch | 1.4.0-4.17 |
| | i586 | | |
| i+ | Applications for education users (openSUSE_Tumbleweed) | squeak-vm | 4.10.2-7.271 |
| | x86_64 | | |
| v | Applications for education users (openSUSE_Tumbleweed) | squeak-vm | 4.10.2-7.271 |
| | i586 | | |

Find Kernel Version for Multikernel Feature

```
zypper search -s kernel-default
```

Repository 'Main Repository (NON-OSS)' ist veraltet. Sie können 'zypper refresh' als root ausführen, um es zu aktualisieren.

Repository 'Main Repository (OSS)' ist veraltet. Sie können 'zypper refresh' als root ausführen, um es zu aktualisieren.

Repository 'openSUSE-20211005-0' ist veraltet. Sie können 'zypper refresh' als root ausführen, um es zu aktualisieren.

Repository 'Packman' ist veraltet. Sie können 'zypper refresh' als root ausführen, um es zu aktualisieren.
 Repository-Daten werden geladen...
 Installierte Pakete werden gelesen...

| S | Name | Type | Version | Arch | Repository |
|----|-----------------------------|-------|----------------|--------|-----------------------|
| i+ | kernel-default | Paket | 6.4.3-1.1 | x86_64 | (Systempakete) |
| i+ | kernel-default | Paket | 6.0.0-1.2 | x86_64 | (Systempakete) |
| i+ | kernel-default | Paket | 5.19.12-1.1 | x86_64 | (Systempakete) |
| i+ | kernel-default | Paket | 6.4.6-1.1 | x86_64 | Main Repository (OSS) |
| i+ | kernel-default | Paket | 6.4.6-1.1 | x86_64 | openSUSE-20211005-0 |
| | kernel-default-base | Paket | 6.4.6-1.1.28.5 | x86_64 | Main Repository (OSS) |
| | kernel-default-base | Paket | 6.4.6-1.1.28.5 | x86_64 | openSUSE-20211005-0 |
| | kernel-default-base-rebuild | Paket | 6.4.6-1.1.28.5 | x86_64 | Main Repository (OSS) |
| | kernel-default-base-rebuild | Paket | 6.4.6-1.1.28.5 | x86_64 | openSUSE-20211005-0 |
| | kernel-default-devel | Paket | 6.4.6-1.1 | x86_64 | Main Repository (OSS) |
| | kernel-default-devel | Paket | 6.4.6-1.1 | x86_64 | openSUSE-20211005-0 |
| | kernel-default-vdso | Paket | 6.4.6-1.1 | x86_64 | Main Repository (OSS) |
| | kernel-default-vdso | Paket | 6.4.6-1.1 | x86_64 | openSUSE-20211005-0 |

~~DISCUSSION~~

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