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SUSE Zypper

- https://en.opensuse.org/SDB:Zypper_usage
- <https://doc.opensuse.org/documentation/leap/reference/html/book.opensuse.reference/cha-sw-cl.html>

Zypper

Zypper

Zypper

```
zypper [--global-options] COMMAND [--command-options] [arguments]
```

Zypper

Zypper

가

```
sudo zypper patch
```

```
sudo zypper --non-interactive patch
```

```
( --non-interactive ).
```

```
sudo zypper patch --auto-agree-with-licenses
```

--auto-agree-with-licenses
가 .

가 . install
.

```
sudo zypper install mplayer
```

가 .

```
zypper search -t pattern
```

. mc vim factory

```
sudo zypper -v install --from factory mc vim
```

--from
() . --repo --from
.
Zypper dry-run .

```
sudo zypper remove --dry-run MozillaFirefox
```

Zypper --userdata STRING .
Zypper (: Btrfs) .
.

```
sudo zypper --userdata STRING patch
```

Zypper

Zypper zypper_execdir /usr/lib/zypper/commands
. zypper_execdir Zypper \$PATH
.

Zypper

Zypper

가

```
zypper help subcommand
[...]
Available zypper subcommands in '/usr/lib/zypper/commands'

  appstream-cache
  lifecycle
  migration
  search-packages

Zypper subcommands available from elsewhere on your $PATH

<none>
```

```
zypper help appstream-cache
```

Zypper

```
sudo zypper install PACKAGE_NAME
sudo zypper remove PACKAGE_NAME
```



Kernel

. Glibc, Zypper,

가 가 .

- zypper install
- zypper remove

```
sudo zypper install MozillaFirefox
```

```
sudo zypper install MozillaFirefox-52.2
```

```
sudo zypper install mozilla:MozillaFirefox
```

Moz

```
sudo zypper install 'Moz*'
```

-debuginfo



가

```
sudo zypper remove '*-debuginfo'
```

MozillaFirefox

```
sudo zypper install firefox
```

AMD64/Intel64

(Zypper

가
x86_64)

```
sudo zypper install 'firefox.x86_64'
```

- `zypper install 'firefox.x86_64' --clean-deps`

```
sudo zypper install 'firefox>=74.2'
```

- `zypper install 'firefox.x86_64>=74.2'`

```
sudo zypper install 'firefox.x86_64>=74.2'
```

RPM `zypper` 가

```
sudo zypper install /tmp/install/MozillaFirefox.rpm
sudo zypper install http://download.example.com/MozillaFirefox.rpm
```

`zypper install vim` `zypper install vim +emacs` `zypper install vim -emacs` `zypper install vim +/- emacs`

```
sudo zypper install emacs -vim
```

`zypper install emacs vim`

```
sudo zypper remove emacs +vim
```

`zypper remove emacs -vim` `zypper remove emacs --`

```
sudo zypper install -emacs +vim      # Wrong
sudo zypper install vim -emacs       # Correct
sudo zypper install -- -emacs +vim   # Correct
sudo zypper remove emacs +vim        # Correct
```

`zypper clean-deps`

```
sudo zypper rm --clean-deps PACKAGE_NAME
```

Zypper 가
. --non-interactive .
install remove patch () .

```
sudo zypper --non-interactive install PACKAGE_NAME
```

Zypper .

```
zypper source-install PACKAGE_NAME
```

root /usr/src/packages/
~/rpmbuild . rpm .
-D 가
.

```
sudo zypper source-install -D PACKAGE_NAME
```

-d .

```
sudo zypper source-install -d PACKAGE_NAME
```

가). 가 가 (가 .

```
zypper search -t srcpackage
```

zypper source-download

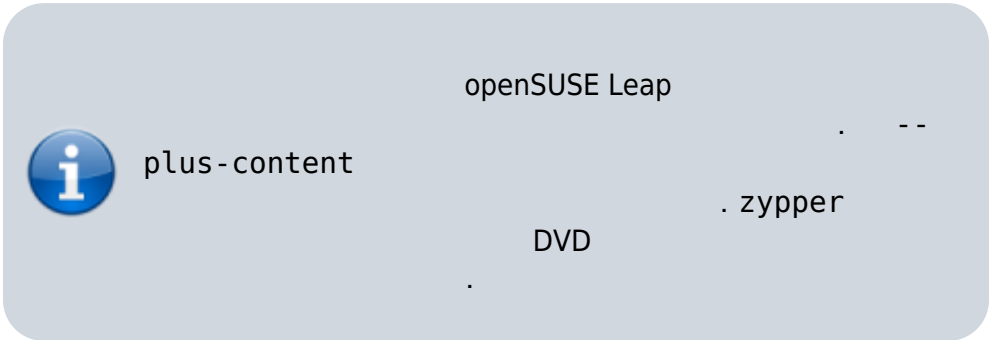
```
                /var/cache/zypper/source-download. --directory
--status                .                --delete
                --no-delete                .

content TAG                Zypper                . --plus-

                -debuginfo -debugsource 가
--plus-content debug                .
                -debuginfo
```

```
sudo zypper --plus-content debug \
install "debuginfo(build-id)=eb844a5c20c70a59fc693cd1061f851fb7d046f4"
```

build-id 가 gdb



zypper verify

가 가) (가

```
sudo zypper install-new-recommends
```

Wi-Fi . 가

Zypper

Zypper
zypper dist-upgrade . 가

```
sudo zypper patch
```

(optional feature)

zypper patch
with-update

```
sudo zypper patch --with-update
```

```
sudo zypper patch --with-optional
```

Bugzilla

```
sudo zypper patch --bugzilla=NUMBER
```

CVE

```
sudo zypper patch --cve=NUMBER
```

CVE CVE-2010-2713 가

```
sudo zypper patch --cve=CVE-2010-2713
```

Zypper .

```
sudo zypper patch --updatestack-only
```

updatestack-only

.

Zypper .

() patch-check

```
zypper patch-check
Loading repository data...
Reading installed packages...
5 patches needed (1 security patch)
```

Zypper --updatestack-only

.

() list-patches

```
zypper list-patches
Repository | Name | Category | Severity | Interactive | Status
| S>
-----+-----+-----+-----+-----+-----
+-->
Update | openSUSE-2019-828 | security | moderate | --- | needed
| S>

Found 1 applicable patch:
1 patch needed (1 security patch)
```

Since Zypper 1.14.36 .

openSUSE Leap
zypper patches .
zypper
list-patches .

Bugzilla --bugzilla .
--bugzilla=NUMBER .
Bugzilla 가 .

```
zypper list-patches --bugzilla=972197,956917
```

CVE

CVE () --cve .
CVE CVE --
cve=NUMBER. CVE CVE
가 .

```
zypper list-patches --bugzilla=CVE-2016-2315,CVE-2016-2324
```

가 --all 가 CVE

```
zypper list-patches --all --cve
Issue | No. | Patch | Category | Severity | Status
-----+-----+-----+-----+-----+-----
---
cve | CVE-2019-0287 | SUSE-SLE-Module.. | recommended | moderate | needed
cve | CVE-2019-3566 | SUSE-SLE-SERVER.. | recommended | moderate | not
needed
[...]
```

zypper patch
()

```
sudo zypper update
```

```
sudo zypper update PACKAGE_NAME
sudo zypper install PACKAGE_NAME
```

가

가

```
zypper list-updates
```

- 가 .
- 가 ,
- 가 ().
- 가 가 .

```
sudo zypper list-updates --all
```

```
zypper install zypper
```

```
update
```

Zypper 가 (Orphan)

```
sudo zypper packages --orphaned
```

가

.

가

,

가

.

가

. zypper ps

zypper ps

zypper ps

PID	PPID	UID	User	Command	Service	Files
-						
814	1	481	avahi	avahi-daemon	avahi-daemon	/lib64/ld-2.19.s-> /lib64/libdl-2.1-> /lib64/libpthrea-> /lib64/libc-2.19-> [...]

- PID: ID
- PPID: ID
- UID: ID
- Login:
- Command:
- Service: ()
- Files:

zypper ps

zypper ps -s

zypper ps -s

PID	PPID	UID	User	Command	Service
814	1	481	avahi	avahi-daemon	avahi-daemon
817	1	0	root	irqbalance	irqbalance
1567	1	0	root	sshd	sshd
1761	1	0	root	master	postfix
1764	1761	51	postfix	pickup	postfix
1765	1761	51	postfix	qmgr	postfix
2031	2027	1000	tux	bash	

zypper ps -ss

PID	PPID	UID	User	Command	Service
814	1	481	avahi	avahi-daemon	avahi-daemon
817	1	0	root	irqbalance	irqbalance
1567	1	0	root	sshd	sshd
1761	1	0	root	master	postfix
1764	1761	51	postfix	pickup	postfix
1765	1761	51	postfix	qmgr	postfix

zypper ps -sss

```
avahi-daemon
irqbalance
postfix
sshd
```

zypper ps --print "systemctl status %s"

```
systemctl status avahi-daemon
systemctl status irqbalance
systemctl status postfix
systemctl status sshd
```

10 , systemd.

Zypper

Zypper

```
zypper repos
```

2.1: -

zypper repos				
#	Alias	Name	Enabled	GPG Check

Refresh

-----+-----+-----+-----+-----					
-					
1	Leap-15.1-Main	Main (OSS)	Yes	(r) Yes	Yes
2	Leap-15.1-Update	Update (OSS)	Yes	(r) Yes	Yes
3	Leap-15.1-NOSS	Main (NON-OSS)	Yes	(r) Yes	Yes
4	Leap-15.1-Update-NOSS	Update (NON-OSS)	Yes	(r) Yes	Yes
[...]					

zypper repos , URI

가

URI 가

zypper repos -d

가

가


sudo zypper addrepo URI ALIAS

URI , , CD DVD . ALIAS

Zypper가

zypper 가 . 가

sudo zypper refresh

 zypper refresh

가

refresh --plus-content

```
sudo zypper --plus-content refresh
```

가

zypper remove

Leap-42.3-NOSS

```
sudo zypper removerepo 4
sudo zypper removerepo "Leap-42.3-NOSS"
```

zypper modifyrepo

(: ,)

가

20

```
sudo zypper modifyrepo -er -p 20 'updates'
```

- -a:
- -l:
- -t:
- -m TYPE: (가 : http, https, ftp, cd, dvd, dir, file, cifs, smb, nfs, hd, iso)

renamerepo

Mozilla

Firefox firefox

```
sudo zypper renamerepo 'Mozilla Firefox' firefox
```

Zypper

Zypper

가

```
zypper products
zypper patterns
zypper packages
```

zypper patches

info

search

zypper search

fire가

zypper search "fire"

MozillaFirefox

zypper search --match-exact "MozillaFirefox"

zypper search -d fire

zypper search -u fire

fir e

zypper se "/fir[^e]/"

SVN::Core

what-provides

Perl

zypper what-provides 'perl(SVN::Core)'

what-provides PACKAGE_NAME rpm -q --whatprovides PACKAGE_NAME

RPM RPM () , Zypper

15

```
zypper search --provides --match-exact <file>
```

```
zypper search --provides <file>
```

info

가

가

(-t

)

가

가

--requires --

recommends

```
zypper info --requires MozillaFirefox
```

Zypper

Zypper

Zypper

(

)

/etc/zypp/zypper.conf.

~/ .zypper.conf. ~/ .zypper.conf

/etc/zypp/zypper.conf

가

~/ .zypper.conf

가

Zypper

가
)

(:

```
sudo zypper refresh
```

```
sudo zypper refresh -fdb
```

Btrfs

Btrfs

snapper

snapper가

Zypper

Zypper

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<https://atl.kr/dokuwiki/> - AllThatLinux!

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https://atl.kr/dokuwiki/doku.php/suse_zypper_%EC%82%AC%EC%9A%A9%EB%B2%95

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