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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
. zypper_execdir

/usr/lib/zypper/commands
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 rm --clean-deps PACKAGE_NAME
```

```
Zypper
. --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

 plus-content

openSUSE Leap

DVD

zypper

zypper verify

가 가) (가

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

Wi-Fi 가

Zypper

Zypper

가

zypper dist-upgrade

```
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 .

list-patches . zypper

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 . zypper ps
가
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-N0SS

```
sudo zypper removerepo 4
sudo zypper removerepo "Leap-42.3-N0SS"
```

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]/"
```

```

what-provides
SVN::Core
Perl

```

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

```

what-provides PACKAGE_NAME rpm -q --whatprovides PACKAGE_NAME
RPM RPM ( ) , Zypper

```

```

info
가
가
가
가
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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