

SUSE Zypper 3

Zypper 3

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 Zypper 3

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Zypper 4

Zypper 5

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Zypper 17

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Btrfs 20

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 install 'firefox.x86_64'
```

- 가 가 .

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

- .

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

RPM 가

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

vim . +/ - emacs

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

emacs vim

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

- 가 --

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

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

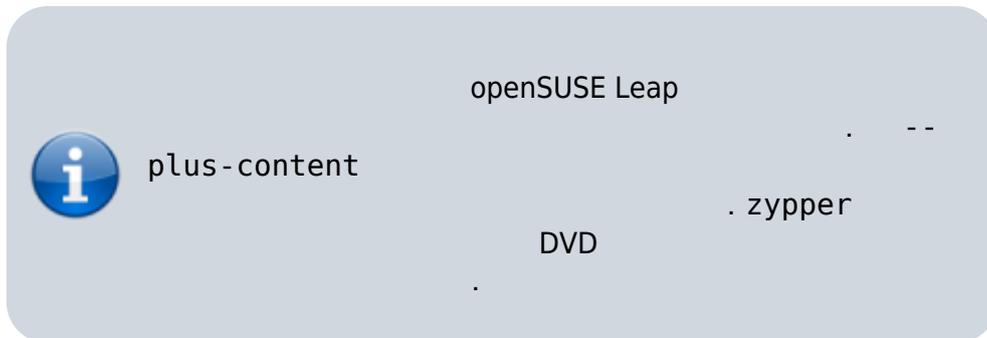
-debuginfo

```
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

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

```
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 가

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

```
update zypper install zypper
```

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-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

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

```

info
가
가
가 (-t )
가
/ --requires --
recommends

```

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

Zypper

```

Zypper Zypper ( )
~/ .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://at1.kr/dokuwiki/> - AllThatLinux!

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https://at1.kr/dokuwiki/doku.php/suse_zypper_%EC%82%AC%EC%9A%A9%EB%B2%95

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