

### Create or edit a package

```
osc co home:you
```

```
cd home:you
```

```
osc mkpac ctris
```

```
cd ctris
```

```
vi ctris.spec
```

```
wget -q http://www.ack1.dhs.org/data/download/ctris-0.4.2.tar.bz2
```

### Create or edit a package (cont)

```
osc addremove
```

```
osc ci -m "First checkin of the ctris package"
```

Editing or creating a (new) package (meta data) in project *\$PRJ* with the name *\$PKG* can also be done via the command:

```
osc meta pkg $PRJ $PKG -e
```

everywhere in the filesystem.

```
ad/download.php?file=ctris-0.4.2.tar.bz2
```

To work with the sources locally, a checkout via

```
osc co $PRJ $PKG
```

is needed.

### Branch a package

```
osc branch home:lrupp ctris
```

```
osc co home:you:branches:home:lrupp/ctris
```

```
cd home:you:branches:home:lrupp/ctris
```

Mark  
files  
be  
add  
and/  
remc  
from  
your  
pack  
direc  
Subr  
your  
files/  
chan  
back  
the  
remc  
build  
insta

Creates a  
branch of  
the  
package  
below  
your  
home  
project.

Check  
out the  
branched  
package.

Change  
into the  
new  
directory.



### Branch a package (cont)

```
vi ctris.spec
```

```
wget -q http://www.ack.l.d.hs.org/data/download/download.php?file=ctris-0.4.2.tar.bz2  
-O ctris-0.4.2.tar.bz2
```

```
osc build ctris.spec
```

```
rm ctris-0.4.1.tar.bz2
```

```
osc vc
```

```
osc ci -m "updated package to latest upstream version"
```

```
osc results
```

### Branch a package (cont)

```
osc sr -m "Hi! I updated your package to the latest v  
ad/download.php?file=ctris-0.4.2.tar.bz2  
osc request -M
```

---

You might also check tools like *quilt* for fixing packages, but this is not the topic of this cheat sheet.

Maintenance updates for openSUSE follow a slightly different workflow. Please check <https://en.opensuse.org/Portal:Maintenance> for details.

---

### Building a package

```
osc meta prj -e
```

Either use the WebUI or edit the project configuration manually and add a build target repository.

```
osc build
```

Builds a package with the default values (for distribution and architecture) from the file `~/oscrc`.

---



By **Lars Vogdt** (kl\_eisbaer)  
[cheatography.com/kl-eisbaer/](https://cheatography.com/kl-eisbaer/)  
[www.suse.com/](https://www.suse.com/)

Published 31st October, 2015.  
Last updated 13th May, 2016.  
Page 2 of 4.

Sponsored by **Readable.com**  
Measure your website readability!  
<https://readable.com>

### Building a package (cont)

```
osc build Fedora_22 x86_64
```

Builds a package with given repository and architecture.

```
osc lbr | less
```

Shows the build log of a local build (pipe into pager to allow scrolling and searching).

```
osc chroot
```

Jump into the chroot environment of the current local build. Might be useful for debugging and/or fixing a package.

```
osc ci -m "fixed package build for Fedora"
```

Submit your files/changes to the remote build instance.

```
osc results
```

Shows the build results of a package or project.

### Building a package (cont)

```
osc prjresults
```

 Shows project-wide build results.

Building a package locally saves time, as the public instances need to find a free schedule for building, while the local machine can start the build immediately. As the build is done in a chroot environment, the OS installation on the local machine will not be affected.

Please remember that the public build instances do neither allow network access nor root permissions during build.

### Collaborating on packages

```
osc request list home:lrupp
```

```
osc request show -d $ID
```

```
osc request accept $ID -m "Thank you for your contribution"
```



By **Lars Vogdt** (kl\_eisbaer)  
[cheatography.com/kl-eisbaer/](https://cheatography.com/kl-eisbaer/)  
[www.suse.com/](https://www.suse.com/)

Published 31st October, 2015.  
Last updated 13th May, 2016.  
Page 3 of 4.

Sponsored by **Readable.com**  
Measure your website readability!  
<https://readable.com>

### Collaborating on packages (cont)

```
osc request decline $ID -m "Sorry, but you forgot to add me to the list of administrators" $PRJ
```

```
osc request supersede -m "He did it better than me - use his" $PRJ $PKG  
ID
```

```
osc branch -N -M openSUSE SE: Backports :SL E-1 2:U package/ glibc7
```

### Working with meta information (cont)

Show meta information about a project.

osc update package metadata with metadata taken from specific file.

osc comes with a very useful `--help` option and man page. Please refer to this material if you want to get more information.

- ✓ <https://en.opensuse.org/openSUSE:OSC>
- ✓ <https://github.com/openSUSE/osc>

### Working with meta information

```
osc meta prj $PRJ Show meta information about a project.
```

```
osc meta pkg $PRJ $PKG Show meta information about a package.
```

```
osc meta user $USER Show information about a user.
```



By **Lars Vogdt** (kl\_eisbaer)  
[cheatography.com/kl-eisbaer/](https://cheatography.com/kl-eisbaer/)  
[www.suse.com/](https://www.suse.com/)

Published 31st October, 2015.  
Last updated 13th May, 2016.  
Page 4 of 4.

Sponsored by **Readable.com**  
Measure your website readability!  
<https://readable.com>

D  
p  
re  
S  
a  
si  
re  
w  
a  
o  
C  
b  
p  
n  
e  
p  
a  
a  
p  
n  
n  
tr  
p  
h