

Create or edit a package

```
osc co home:you
```

```
cd home:you
```

```
osc mkpac ctris
```

```
cd ctris
```

```
vi ctris.spec
```

```
wget -q http://www.ack.ltd.hs.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`.



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Building a package (cont)

```
osc build Fedora_22 x86_64
```

Builds a package with given repository and architecture.

```
osc lbl | 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 contr: "
```



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 specs" submit request please metadata taken from specific file.  
ID
```

```
osc branch -N -M openSU SE: Bac kpo rts :SL E-1 2:U pda te/ glibc7
```

Working with meta informatoin (cont)

Show meta information about a project.

Update package meta data 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 informatoin

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

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

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



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D
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