



# openSUSE Build Service Cheat Sheet

for openSUSE Distribution building – Version 1.0 by aj@opensuse.org

## Fixing a Package in Factory

- Branch package into project in your home project and check out package directly:  
`osc bco (getpac) $PACKAGE`  
(Note: getpac is alias for bco)
- Fix package
- Build and test locally:  
`osc build`
- Add changes entry:  
`osc vc`
- Commit everything into Build Service:  
`osc commit (ci)`
- Wait for building of packages on all architectures and check status:  
`osc results (r)`
- Submit to devel project:  
`osc submitrequest (sr)`

## Reviewing Package Submissions

The web user interface has a good summary at:  
[https://build.opensuse.org/home/list\\_requests](https://build.opensuse.org/home/list_requests) .

Via osc:

- Show all review requests that you can approve:  
`osc my rq`
- Review single request:  
`osc rq show -d $ID`
- Handle it:
  - Approval:  
`osc request (rq) accept $ID`
  - Rejection:  
`osc request (rq) decline $ID`
- Forward to Factory:  
`osc submitrequest (sr) $SOURCEPRJ \  
$PKG openSUSE:Factory`

## Maintenance

- Branch and checkout all packages:  
`osc mbranch -c $PACKAGE`
- Fix all packages
- Create patchinfo (from project dir):  
`osc patchinfo`
- Submit all packages (from project dir):  
`osc submitrequest (sr)`

## Package Editing

`osc add $FILE` – add new file to package  
`osc add $URL` – add file that build service will download  
`osc del (rm) $FILE` – delete file  
`osc addremove (ar)` – add new files, remove deleted files  
`osc commit (ci)` – commit everything to build service  
`osc vc` – add changes entry  
`osc up` – update working directory  
`osc status (st)` – show status of working directory  
`osc log` – show commit log

## Miscellaneous Commands

`osc help (h)` – list all commands  
`osc maintainer` – show maintainer of package  
`osc dependson` – show build dependencies  
`osc buildlog (bl) $REPO $ARCH` – show build log

## Common Options for osc

`-m "TEXT"` – provide message text  
`--help` – give help about specific osc command

## osc Installation

Install latest osc and osc-source\_validator from its devel project:

```
zypper ar -f -r \  
http://r.opensu.se/openSUSE:Tools.repo  
zypper in osc osc-source_validator
```

## References

[http://en.opensuse.org/Portal:Build\\_Service](http://en.opensuse.org/Portal:Build_Service)  
[http://en.opensuse.org/openSUSE:Build\\_Service\\_Collaboration](http://en.opensuse.org/openSUSE:Build_Service_Collaboration)