

User Software

[Code repository](#) | [Software packages](#)

Code repository

1. [Organization of the repository](#)
2. [Checking out code](#)
3. [Updating your working copy](#)

Organization of the repository

```
lus.lofar.org/svn
| -- code
|   | -- branches
|   `-- trunk
|   |   |-- build
|   |   |-- data
|   |   |-- external
|   |   `-- src
`-- documents
  | -- branches
  `-- trunk
```

Checking out code

As read-only access to the repository is not restricted in any ways, you can obtain a working copy of the source code by running

```
svn co http://lus.lofar.org/svn/code/trunk lofarsoft
```

In case you not only want a working version of the source code, but also of the various documents, you do have two options to options of retrieval:

1. Check out everything in a single go:

```
svn co http://lus.lofar.org/svn usg
```

2. Check out a slightly cleaned-up version, omitting the `trunk` directories from your working version:

```
mkdir usg
cd usg
svn co http://lus.lofar.org/svn/code/trunk code
svn co http://lus.lofar.org/svn/documents/trunk docs
```

Updating your working copy

Go to the build directory and type

```
make update
```

In the simplest case this might be nothing but a wrapper around the update command of Subversion, but further actions might be carried out if necessary.

Then build your target, for example “dal” with

```
make dal
```

You can also just build the target folder leaving everything else untouched using

```
cd dal
make rebuild_cache && make && make install
```

Software packages

- The **Data Access Library** (DAL) is a library that abstracts the underlying file format from the user when working with radio astronomy data. Underlying formats may include HDF5, AIPS++/CASA tables, FITS or specific raw formats. This library is available to both the C/C++ developer and the Python user via the “pydal” module.
- CR-Tools
- Pulsar Tools

From:
<https://www.astron.nl/lofarwiki/> - LOFAR Wiki

Permanent link:
https://www.astron.nl/lofarwiki/doku.php?id=public:user_software:user_software&rev=1318674348

Last update: 2011-10-15 10:25

