

# Radar Analysis Software

## Code Repository

The Radar Analysis Tools include the programs `ppi`, `sprint` and `cedric`. All of these programs are stored in the same CISL Subversion repository. Subversion is a version control system, with online documentation [here](#).

The source code can be checked out from the repository with this command:

```
$ svn checkout http://subversion.ucar.edu/RadAnl_Tools (Note: use https outside the UCAR/NCAR firewall)
```

which will create a working copy of the repository in directory `RadAnl_Tools` under your current directory.

## Building

Right now the makefiles for the Radar Analysis Tools are designed to build on EOL Linux systems. We will work to make these programs distributable.

All programs have their own set of makefiles, but similar build procedure. The source code for each program after the checkout will be found in subdirectories under `RadAnl_Tools`. The build process follows these steps:

1. Make a machine dependent build directory with the script `make_mach_dir.csh`.
2. change directory into the newly created machine dependent directory and type `make`.

For example, these steps will build the `sprint` on an EOL Linux computer:

```
$ cd RadAnl_Tools/sprint/trunk
$ ./make_mach_dir.csh
$ cd Sprint-linux
$ make
```

The executable (`sprint_linux.e`) will be found in the `Sprint-linux` directory.

## Documentation

For now useful information about these older software packages can be found at the NCAR/MMM website: <http://www.mmm.ucar.edu/pdas>. This section will be updated as this information gets put on the NCAR/EOL webpages.