

So these are the steps that I followed :

- 1) **Copy** dom2dox directory from misc/tools out somewhere - *isolated* from BRL-CAD source.
- 2) Open CMakeLists.txt and make the following changes in it :
 - a) Line Number 9 : set BRLCAD_BUILD_ROOT as the *path to your directory where your BRL-CAD build lies*. (say
BRLCAD_BUILD_ROOT = \${ENV_HOME}/build/x86_64)
 - b) Line Number 10 : set BRLCAD_SOURCE_ROOT as the *path to your directory where BRL-CAD source code lies*. (say
BRLCAD_SOURCE_ROOT = \${ENV_HOME}/brlcad)
- 3) Save and Close CMakeLists.txt. Build dom2dox.
- 4) Now copy the files *dom2dox_scanner.h*, *dom2dox_scanner.c*, *dom2dox_parser.c* and *dom2dox_parser.h* from BRLCAD_BUILD_ROOT to the dom2dox directory in misc/tools - *inside* BRL-CAD source.
- 5) Change your directory to misc/tools/dom2dox. Backup the present CMakeLists.txt and copy the CMakeLists.txt from the *isolated* dom2dox directory to this directory.
- 6) Change your directory to misc/tools now. Backup the present CMakeLists.txt. Once done, make the following changes to original CMakeLists.txt in the section having dom2dox :

```
# include(${CMAKE_CURRENT_SOURCE_DIR}/dom2dox.dist)
# CMAKFILES_IN_DIR(dom2dox_ignore_files dom2dox)
set(dom2dox_ALIASES ENABLE_DOM2DOX)
set(dom2dox_DESCRIPTION "Some Description of your choice")
THIRD_PARTY_EXECUTABLE(dom2dox dom2dox "BRLCAD_LEVEL2" dom2dox_ALIASES
dom2dox_DESCRIPTION)
DISTCLEAN(${CMAKE_CURRENT_BINARY_DIR}/dom2dox/Makefile)
```
- 7) Save and close the file. Now, using the BRLCAD_BUILD_ROOT as your build directory and BRLCAD_SOURCE_ROOT as your source, build BRLCAD. You'll get dom2dox in the bin directory of your final build.

That's it. You will have it there.

All the Best! :)