

INSTALL.DBMS+GUI File

Installing the Combined Raquel DBMS and Teaching Tool

Proceed as follows :

1. Start Linux/Unix and move to the directory which is to hold the software.
2. Download both the 'RaquelDBMS' and 'RaquelTeachingTool' tar.gz files into that directory from Sourceforge at <https://sourceforge.net/projects/raqueldbssystem/files/LinuxTarFiles/> . (Note that the tar.gz files will incorporate version numbers within their names).
3. Extract the contents of each tar.gz file in turn, using the command

```
tar -zxvf FileName.tar.gz
```

One should create a subdirectory called 'RaquelDBMS' and extract its files into it; the other should create a subdirectory called 'RaquelTeachingTool' and extract its files into that.
4. Enter subdirectory 'RaquelDBMS'.
5. Execute the './configure' command. This should generate a 'Makefile' that reflects the setup of compilers, standard directories, etc, that is used on the computer on which the software is being installed.
6. Execute the 'make' command. This should create the Raquel DBMS (as a static library called 'libRaquelDBMS.a' in the 'RaquelDBMS' directory).
7. Execute 'make install' as a superuser (for example by executing 'sudo make install') . This should copy 'libRaquelDBMS.a' into directory '/usr/local/lib/RaquelDBMS' (or another directory appropriate to the computer on which the software is being installed).
8. As the Raquel Teaching Tool uses Tcl/Tk, check that Tcl/Tk is already installed, and install it if it is not. Tcl/Tk software can be obtained from <https://tcl.tk/software/tcltk/>. The file TCL_ON_LINUX provides further information about this.
9. Move to the 'RaquelTeachingTool' subdirectory.
10. Execute the './SoftlinkToTclTk.sh' command. This should create 2 softlinks to the Tcl and Tk run time files respectively, wherever they are installed. (Respond appropriately to any choices offered).
11. Execute the './configure' command, for the same purpose as previously.
12. Execute the 'make' command. This should create an executable version of the Raquel Teaching Tool in the 'RaquelTeachingTool' subdirectory. (It will incorporate 'libRaquelDBMS.a' from '/usr/local/lib/RaquelDBMS').
13. From within the 'RaquelTeachingTool' subdirectory, execute the './RaquelTeachingTool' command.
The full-screen Teaching Tool window appears and can be used to enter RAQUEL statements, have them executed, and see the responses. The user is automatically logged into the 'Demonstration Database'; RAQUEL statements will always be executed on this database.