

SOFTWARE_DEPENDENCIES File

Basic Software Dependencies

The RAQUEL DBMS and RAQUEL GUI/Teaching Tool assume the following software has already been installed :

- `g++`
This is the name of the GNU C++ compiler. It is part of the GCC distribution. See <http://directory.fsf.org/project/gpp/> for details. `g++` is essentially a macro which is called to execute `gcc` with the required parameters so that C++ code is compiled.
- `GCC` or `gcc`.
Stands for the GNU Compiler Collection, the compiler for the GNU operating system. It utilises a number of frontends, each frontend (e.g. `g++`) being for a different language. See <http://gcc.gnu.org/> for details. `gcc` 4.3.3 or later is required.
- `binutils`
GNU Binary Utilities. See <http://sourceware.org/binutils/> for details. This consists of generally useful binary tools, in particular the GNU linker and the GNU assembler, but there are about 18 other useful binary tools as well.
- `libc6` or `glibc`
`libc6` and `glibc` are the same version of `libc`, version 2 of the GNU C Library but the sixth major version of the Linux C library. It contains all of the system functions that most (if not all) C/C++ programs need to run on Linux. It includes shared versions of the standard C library and the standard math library, as well as many others. Timezone data is also included. See <http://packages.ubuntu.com/sl/dapper/libc6> for details.
- `libgomp`
Part of GCC, this is the GCC OpenMP (= GOMP) library. It supports multiple platform shared memory parallel programming in C/C++. See <http://openmp.org/wp/> for details.
- `libstdc++`
This is the GNU Standard C++ library. Version 3 should be used. See <http://gcc.gnu.org/onlinedocs/libstdc++/index.html> for details.
- `make`
This is the GNU Make facility, required to produce executable files from source code files. See <http://www.gnu.org/software/make/> for details.