**Instructions for Compiling PEST++ on Linux**

**Last updated :** 2/14/2014

**Introduction:**

The windows version of PEST++ supports the serial, YAMR and GENIE run managers. The “Updated PEST++ input instructions” located at <http://www.pestpp.org/download/pest++_input.pdf> provides a quick summary of each as well as the command line arguments necessary to invoke them. A Linux version Genie is not available, the Linux version of PEST++ only supports the serial and YAMR run managers.

**Dependencies:**

1. gcc, g++ and gfortran 4.9.0 or newer : PEST++ relies on some newer features of C++11 standard which are only supported in these newer releases .
2. blas
3. lapack

**Instructions to build PEST++ on Linux:**

1. Edit the file pestpp/pest++/yamr/config\_os.h and make the following change:

|  |
| --- |
| change:  *//#define OS\_LINUX*  *#define OS\_WIN* |
| to:  *#define OS\_LINUX*  *//#define OS\_WIN* |

1. In the main pestpp directory execute the following command to delete any files associated with a previous build:

*make –f makefile\_linux clean*

1. Build PEST++ in the main pestpp directory using the following command:

*make –f makefile\_linux clean*

This creates the PEST++ executable:

*pestpp/pest++/pestpp*