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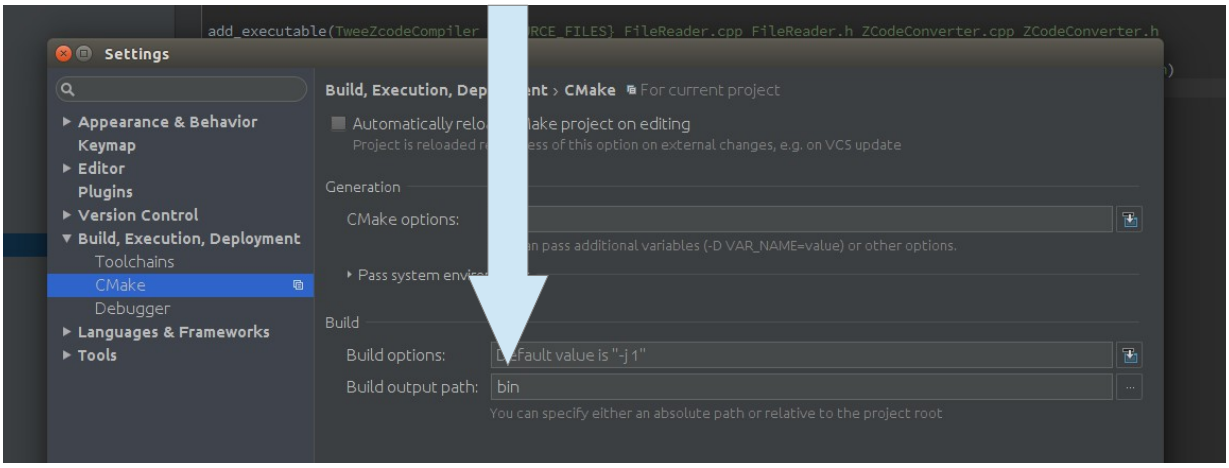
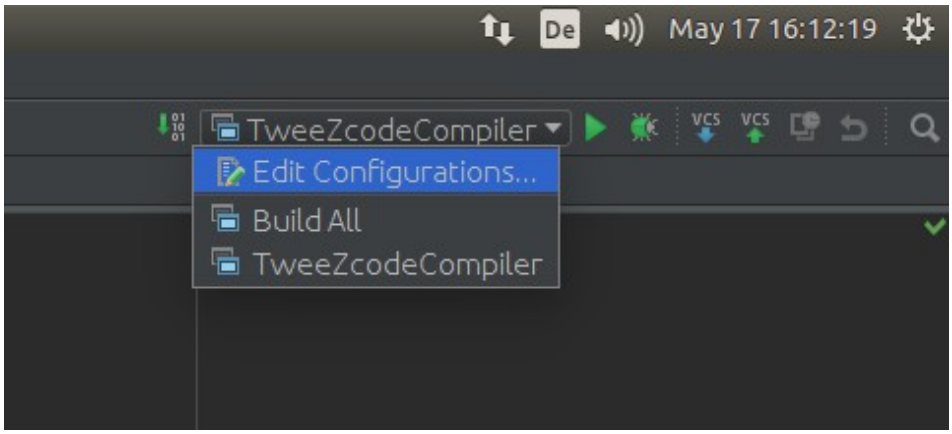
Valgrind in Clion

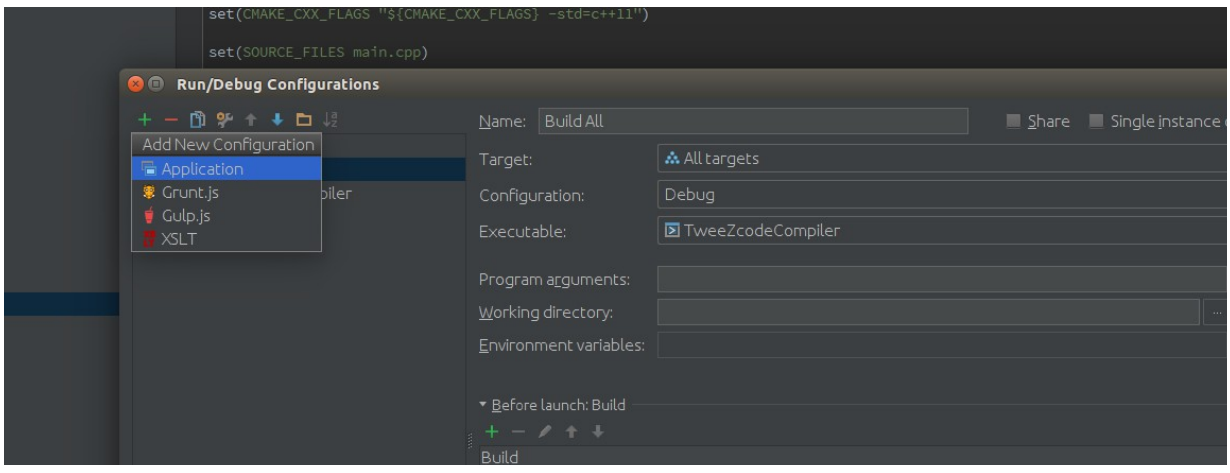
- install valgrind (Ubuntu Software Center → search: valgrind → install: Instrumentation framework for building dynamic analysis tools)
- Set an output path for compiled binary (File → settings → build, execution, deployement → cmake). To create a folder in your working directory simply insert a name for a folder (here: bin):



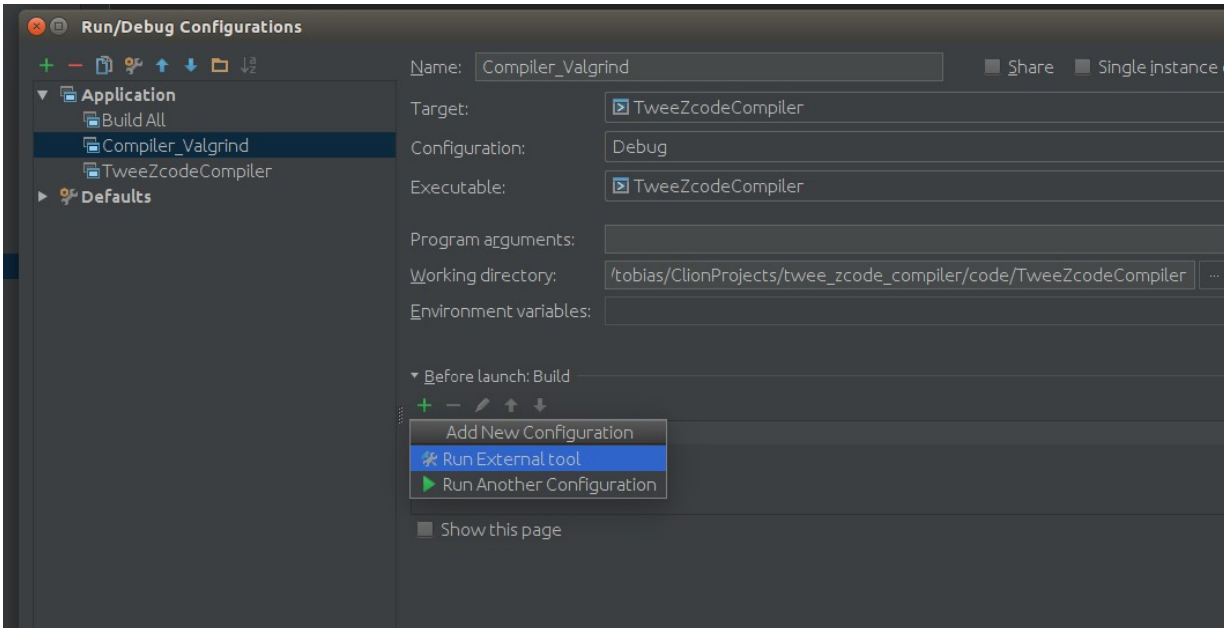
- open edit configuration window:



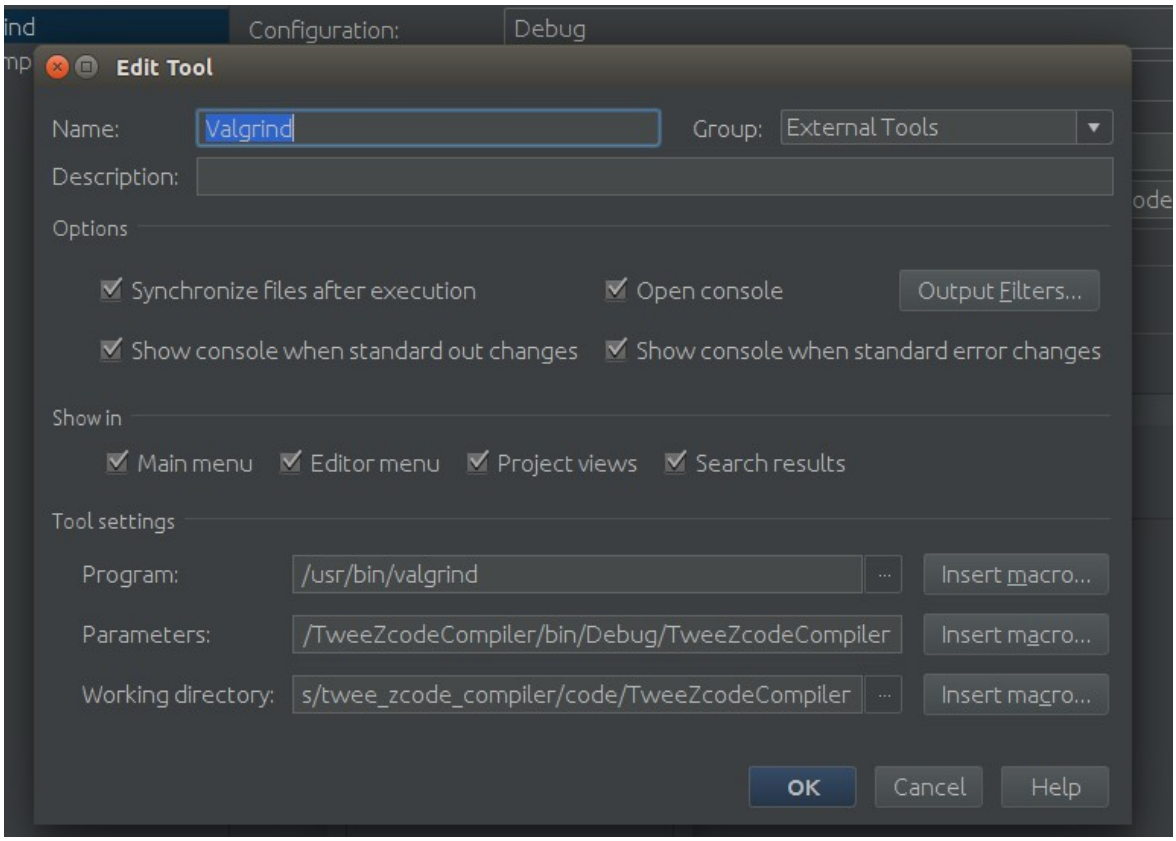
- Add new Application configuration:



- Rename configuration to remind you it will compile with valgrind (here: CONF_NAME), select executable and your working directory
- add new external tool:



- select the '+' symbol
- Cofigure valgrind. These are my settings:



  - Set Tool settings → Program to valgrind path

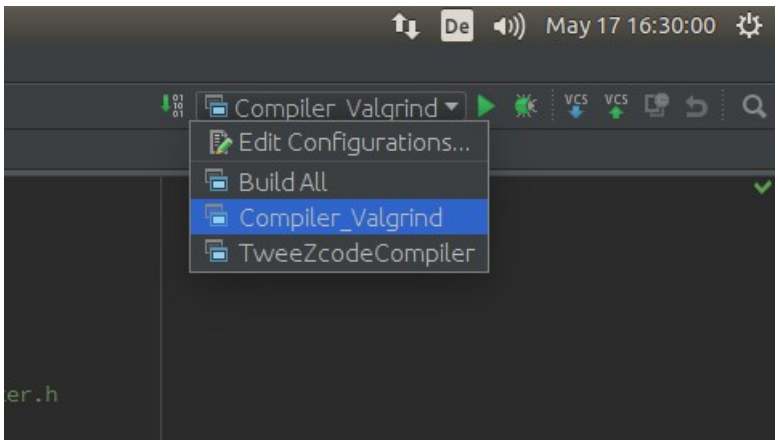
- Set Tool settings → paramters to
  --leak-check=yes /path_to_working_dir/bin/Debug/CONF_NAME

  my parameters are:
  --leak-check=yes
  /home/tobias/ClionProjects/twee_zcode_compiler/code/TweeZcodeCompile
  r/bin/Debug/TweeZcodeCompiler_Valgrind

- Set Tool settings → "Working directory" to your working directory
- Finally click OK in this window and the underlying one

➢ click Apply and OK to exit the last window

➢ you can change between you configurations with and without valgrind here:



➢ Select your valgrind configuration and click Run (green arrow). Valgrind logs (e.g. heap & leak summary) will be printed in red to the console: