# Debugging a program

You must create a debug launch configuration the first time you debug your program.

To create a debug configuration:

1. In C/C++ Projects view, select a project.
2. Click **Run > Debug**.
3. In the Debug dialog box, select a debug configuration type from the **Configurations** list.
4. Click **New**.
5. In the **Name** box, type a descriptive name for this debug configuration.
6. In the **Project** box, type the name of the project containing the application you want to debug.
7. In the **C/C++ Application** box, type the name of the executable that you want to run.
8. Click **Debug**.

The debug perspective is opened and the application window opens on top. The C/C++ editor window is repositioned in the perspective.

For more information:

* To specify the execution arguments an application uses and the working directory for a run configuration, see [Specifying execution arguments](http://docs.google.com/cdt_t_run_arg.htm).
* To set the environment variables and values to use when an application runs, see  [Setting environment variables](http://docs.google.com/cdt_t_run_env.htm)
* To select a debugger to use when debugging an application, see [Selecting a debugger](http://docs.google.com/cdt_t_run_dbg.htm)
* To specify the location of source files used when debugging a C or C++ application, see [Specifying the location of source files](http://docs.google.com/cdt_t_run_source.htm)
* To specify where the run configuration is stored, how you access it and what perspective to open when running an application, see [Specifying the location of the run configuration](http://docs.google.com/cdt_t_run_com.htm)

To use a debug configuration:

You can reuse a previously created debug launch configuration to debug your program.

1. Click **Run > Debug**.
2. In the Debug dialog box, select a debug configuration from the Configurations list.
3. Click **Debug**.



[Debug overview](http://docs.google.com/concepts/cdt_c_over_dbg.htm)

[Debug information](http://docs.google.com/concepts/cdt_c_dbg_info.htm)



[Debugging](http://docs.google.com/cdt_o_debug.htm)



[Run and Debug dialog box](http://docs.google.com/reference/cdt_o_run_dbg_pages.htm)

