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xTIMEcomposer uses **Run Configurations** to determine the settings used to run a program. Run Configurations are specific to the project and target platform.

1 Create a Run Configuration

To create a Run Configuration, follow these steps:

- 1. Select a project in the **Project Explorer**.
- 2. Choose **Run ► Run Configurations**.
- 3. In the left panel, double-click **XCore Application**.

xTIMEcomposer creates a new configuration and displays the default settings in the right panel, as shown in Figure 1.

- 4. In Name, enter a name for the configuration.
- 5. xTIMEcomposer tries to identify the target project and executable for you. To select one yourself, click Browse to the right of the Project text box and select your project in the Project Selection dialog box. Then click Search Project and select the executable file in the Program Selection dialog box.



You must have previously compiled your program without any errors for the executable to be available for selection.

- 6. If you have a development board connected to your system, check the **hardware** option and select your debug adapter from the **Target** list. Alternatively, check the **simulator** option to run your program on the XMOS simulator.
- 7. Click Run.

xTIMEcomposer loads your executable, displaying any output generated by your program in the **Console**.

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| | Name: MyProject Debug |
|---------------------------|--|
| | 📄 Main 🕞 Simulator 🖼 XScope 😣 Arguments 🚾 Environment 🔲 Common |
| | Project: |
| | MyProject Browse |
| | Build configuration: Debug + |
| | C/C++ Application: |
| | bin/Debug/MyProject_Debug.xe Search Project Browse |
| | Device options: |
| | Run on: O simulator 💿 hardware |
| | Target: XMOS XTAG-2 connected to L1[01] [u2BZNn_8] |
| | I/O options: |
| | Run JTAG I/O server |
| | Run UART output server |
| | Run XScope output server |
| | Advanced options: |
| | Enable GPROF collection |
| | Change JTAG TCK divider (default = 0) |
| | XTAG-1 (6/(<n>+1)MHz) <> XTAG-2 (25/(<n>+2)MHz)</n></n> |
| Figure 1: Run Configu- | Additional xrun command line options |
| ration window | Display run command in new console |

2 Re-run a program



xTIMEcomposer remembers the configuration last used to run your program. To run it again using the same configuration, just click the **Run** button. To use a different configuration, click the arrow to the right of the **Run** button and select a configuration from the drop-down list.

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