

How to use offline xSCOPE on the XMOS simulator

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version	1.1.1
scope	Example. This code is provided as example code for a user to base their code on.
description	How to use offline xSCOPE on the XMOS simulator
boards	Unless otherwise specified, this example runs on the SliceKIT Core Board, but can easily be run on any XMOS device by using a different XN file.

Compile the following code:

```
#include <xscope.h>
int main() {
    for (int i = 0; i < 100; ++i) {
        xscope_int(VALUE1, i);
        xscope_int(VALUE2, i * 2);
        xscope_int(VALUE3, i * 3);
    }
    return 0;
}
```

Note: The 3 probes used in the above example are defined in the config.xscope file.

1 To run using the xTIMEcomposer studio

Select *Run -> Run Configurations*, and double click on the *xCORE Application* option. This will create a new Run configuration. In the *Device options* group, check the *simulator* box. Offline xSCOPE can be enabled via the checkbox in the xSCOPE tab. Running this example will produce a file named *xscope.xmt* located at the top level of the project. Double clicking on this file will open it in the *Offline Scope* view.

2 To run from the command line

```
xsim a.xe -xscope '-offline xscope.xmt'
```

Running the above will produce a file named *xscope.xmt* in the current directory. To view the contents of the file, open the xTIMEcomposer studio and select *Tools->XScope*. In the *Offline Scope* view, use the *Load* button in the view toolbar.



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