How to use the XScope continuous event type

version   1.0.0beta1

scope   Example. This code is provided as example code for a user to base
               their code on.

description   How to use the XScope continuous event type

Provides a simple example of the integration of XScope into an application and the
use of the Continuous event type for data logging.

Include the XScope header file

```
#include <xscope.h>
```

Send contents of variable value to output event id 0

```
void output_data_1(unsigned int value) {
  xscope_probe_data(0, value);
}
```

Send contents of variable value to output event id 1

```
void output_data_2(unsigned int value) {
  xscope_probe_data(1, value);
}
```

Register 2 events of type XSCOPE_CONTINUOUS

```
xscope_register(2,

               XSCOPE_CONTINUOUS, "Continuous Value 1",
               XSCOPE_UINT, "Value",

               XSCOPE_CONTINUOUS, "Continuous Value 2",
               XSCOPE_UINT, "Value");
```

Output 100 data values to each event type

```
for (i = 0; i < 100; i++) {
  output_data_1(i*i);
  output_data_2(i*i*2);
}
```

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