

Libprelude - Bug #200

Segmentation fault with libprelude Python bindings and signal handling

02/09/2007 08:41 PM -

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Yoann VANDOORSELAERE	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	0.9.13		
Resolution:	fixed		

Description

The following piece of python code is intended to print "Message received" everytime a new alert is received by the Prelude Manager. It works ok, but sending a signal to it (e.g. SIGINT) in order for it stop leads to a segmentation fault.

Signal handling seems to be responsible for this. Other means to stop the python process (e.g. by sending a special IDMEF message to it) work fine.

```
import time
import prelude
import sys

def correlator_stop(signum, frame):
    prelude.prelude_client_destroy(client, prelude.PRELUDE_CLIENT_EXIT_STATUS_SUCCESS )
    print "Stop"
    sys.exit()

signal.signal(signal.SIGINT, correlator_stop)

prelude.prelude_init(1, [[PythonTest]])
client = prelude.prelude_client_new("PythonTest")

prelude.prelude_client_set_required_permission(client, prelude.PRELUDE_CONNECTION_PERMISSION_IDMEF_READ|prelude.PRELUDE_CONNECTION_PERMISSION_IDMEF_WRITE);

prelude.prelude_client_start(client);

pool = prelude.prelude_client_get_connection_pool(client)

while 1 :
    msg = prelude.prelude_connection_pool_recv(pool, -1)
    print "Message received"
```

History

#1 - 02/11/2007 12:38 PM - Yoann VANDOORSELAERE

- Status changed from New to Assigned

#2 - 02/19/2007 11:27 AM - Yoann VANDOORSELAERE

- Status changed from Assigned to Closed

- Resolution set to fixed

(In r8819) Make sure we have an exception to process. This fix a crash with Python bindings upon signal reception. Fix [#200](#).

#3 - 04/29/2009 12:25 PM - Yoann VANDOORSELAERE

- Project changed from PRELUDE SIEM to Libprelude

- Category deleted (1)

- Target version deleted (0.9.13)