Re: make test segfaults with "−−enable−shared" on Python 2.3.3

Source: http://coding.derkeiler.com/Archive/Python/comp.lang.python/2003−12/3586.html

---

From: Andrew MacIntyre (*andymac_at_bullseye.apana.org.au*)
Date: 12/29/03

```
Date: Mon, 29 Dec 2003 10:16:37 +1100 (EST)
To: Berthold Hoellmann <bhoel@web.de>
```

On Sun, 28 Dec 2003, Berthold Hoellmann wrote:

> > When I use
> >
*> > ./configure −−with−thread −−with−fpectl −−with−signal−module *
> > −−with−pymalloc −−enable−shared −−with−cxx=g++
> >
> > make test
> >
> > on 2.3.3 I get
> >
> > ...
> > test_queue
> > test_quopri
> > test_random
> > test_re
*> > make: *** [test] Speicherzugriffsfehler (Speicherauszug erstellt)*
>
> Everything works fine if I remove the "−−enable−shared" flag from
> configure.

You don't mention what platform you are seeing this on. The output of a verbose test run (python Lib/test/regrtest.py −v test_re), preferably with error messages translated to English, may help diagnose the issue.

I know that there are platforms where the amount of stack space available to a threaded process is not easily controlled, and recent versions of gcc are creating much larger stack frames than earlier versions. The sre module in 2.3.x (and earlier) is recursive and thus sensitive to stack space availability. A core dump is a likely indicator of this. Read the Modules/_sre.c source file for more info. sre in 2.4 will be significantly improved in this regard.

FYI, since 2.3 PyMalloc is a default option so you don't need −−with−pymalloc, and most recent Linux and BSD systems will default to

building with −−with−thread and −−with−signal−module.

```
−−
Andrew I MacIntyre                     "These thoughts are mine alone..."
E−mail: andymac@bullseye.apana.org.au  (pref) | Snail: PO Box 370
        andymac@pcug.org.au             (alt) |        Belconnen  ACT  2616
Web:    http://www.andymac.org/               |        Australia
```