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Subject: IDLDE crashes when opening menus  
Posted by [Christian](#) on Thu, 01 Mar 2012 18:26:29 GMT  
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This is a problem with the development environment - IDL itself seems to be working fine.

I've got IDL 7.0 installed on Mac OSX 10.7.3 (this was a bit of a hack, because the installer is a PowerPC app, and 10.7 doesn't have Rosetta - in the end I just copied the entire folder from a colleague's computer). Things have been working fine for a long time. I recently took a break from coding to try and actually publish some results, but now when I go back to IDL the development environment crashes every single time I do something which generates a pull-down menu (I \*think\* this is the common element). Certainly it crashes if I click on the menubar, or right-click on a file/folder in the project explorer - but otherwise IDL seems to be working fine (including the little icon shortcuts below the menubar). I can somewhat get work done because it's still possible to do many things with keyboard shortcuts, but I can't update/commit from/to my svn repositories which is certainly a big problem.

I suspect that at some point a java (?) update broke the eclipse hack itt put together, but in that case I'm surprised that I haven't been able to google any cases of other people with the same problem. Since I wasn't actively coding as the time it's difficult to pin down what broke it or even when - all I know is that in early January (?) it worked and as of last week it doesn't.

Has anybody else had a similar problem?

I normally run it via a link to the "IDLSnapFileOpen" app in the main directory, but the error message I get when the same problem after running IDLDE from the command line is:

```
$ pwd
/Applications/itt/idl70/bin
$ ./idlde
Invalid memory access of location 0x0 eip=0x0
Bus error: 10
```

The "send your report to Apple" error log is 1179 lines long, so I hesitate to post the entire message. The lines near the top I (arbitrarily?) identified as important and have been googling for (and hopefully brings some other people with a similar problem to this page) are:

Crashed Thread: 0 Dispatch queue: com.apple.main-thread

Exception Type: EXC\_BAD\_ACCESS (SIGBUS)  
Exception Codes: KERN\_PROTECTION\_FAILURE at 0x0000000000000000

VM Regions Near 0:

```
--> __PAGEZERO      0000000000000000-0000000000001000 [ 4K]
---/--- SM=NUL  /Applications/itt/*/idlde.darwin.universal.app/
Contents/MacOS/idlde
    __TEXT          0000000000001000-0000000000004000 [ 12K]
r-x/rwx SM=COW  /Applications/itt/*/idlde.darwin.universal.app/
Contents/MacOS/idlde
```

Application Specific Information:

objc[10162]: garbage collection is OFF

Java information:

Exception type: Bus Error (0xa) at pc=0000000000000000

Java VM: Java HotSpot(TM) Client VM (20.4-b02-402 mixed mode macosx-x86)

Perhaps it is a red-herring, but I have attempted to learn more by installing the non-itt version of eclipse (3.7.2)... this works, although if I try the instructions here:

<http://www.idlcoyote.com/workbench/addtoeclipse.html>

For adding the IDLDE to this installation I can't get the hybrid to work. On startup I get a "fatal error initializing DML" popup box, followed by "fatal error initializing main IDL process" and the error:

Failed to load idl\_jdml from /Applications/itt/idl70/idlde/

bin.darwin.i386 (it is set by the property JDMLDir.)

(although there is a file named "libidl\_jdml.jnilib" there - perhaps the naming convention changed between versions of eclipse?)

Incidentally, this is the same result that I get if I run the itt idlde from the "wrong" directory:

```
$ pwd
```

```
/Applications/itt/idl70/idlde/idlde.darwin.universal.app/Contents/MacOS
```

```
$ ./idlde
```

```
Failed to load idl_jdml from /Applications/itt/idl70/idlde/
```

```
bin.darwin.i386 (Use default IDL)
```

So perhaps I should be running my hacked version of eclipse from a different spot? Currently my script to setup things runs from the first eclipse directory.

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