

regular EXCEPTION_ACCESS_VIOLATIONS in...



Oleg Estekhin 27 posts since

Nov 10, 2005

I am experiencing regular EXCEPTION_ACCESS_VIOLATIONS in jvm.dll at some random moments.

The VM crash logs start with the following text with some minor changes from crush to crush:

===

```
## A fatal error has been detected by the Java Runtime Environment:##  
EXCEPTION_ACCESS_VIOLATION (0xc0000005) at pc=0x000000006dc87954,  
pid=11740, tid=11552## JRE version: 6.0_18-b07# Java VM: Java HotSpot(TM) 64-Bit  
Server VM (16.0-b13 mixed mode windows-amd64 )# Problematic frame:# V [jvm.dll  
+0x3f7954]## If you would like to submit a bug report, please visit:# http://java.sun.com/  
webapps/bugreport/crash.jsp
```

----- T H R E A D -----

Current thread (0x000000000045e800): GCTaskThread [stack:
0x00000000351f0000,0x00000000352f0000] [id=11552]

siginfo: ExceptionCode=0xc0000005, reading address 0x00000000000000d9

===

regular EXCEPTION_ACCESS_VIOLATIONs in...

The address of the problematic frame changes slightly and the siginfo reading address changes but stays close to 0x0.

I have sent these crash logs to the supplied bug report address but it is pretty useless.

There were similar problems some years ago (<http://www.jetbrains.net/devnet/message/5004875#5004875>, <http://www.jetbrains.net/devnet/message/5048349#5048349>, <http://youtrack.jetbrains.net/issue/IDEA-3444>) that were related to the JNI calls.

Has anybody seen something similar with the 9.0 builds?

For the record, i am on Windows 7 x64 and using JDK 1.6.0_18 x64.



[Andreas Heydler](#) 38 posts since

Sep 5, 2002 1. **Re: regular EXCEPTION_ACCESS_VIOLATIONs in jvm.dll** Mar 11, 2010 10:41 AM

Haven't checked what the actual crash is caused by however on my W7 x64 workstation I am also having the latest EAP crashing relatively regularly... most disconcerting.

Andreas



[Dmitry Jemerov](#) 11,708 posts since

Aug 19, 2002 2. **Re: regular EXCEPTION_ACCESS_VIOLATIONs in jvm.dll** Mar 11, 2010 2:53 PM

Hello Oleg,

Please try to add the following to idea.exe.vmoptions:

-XX:-ReduceInitialCardMarks

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See <http://java.sun.com/javase/6/webnotes/6u18.html> for more information.

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```
====  
#  
1. A fatal error has been detected by the Java Runtime Environment:  
#  
1. EXCEPTION_ACCESS_VIOLATION (0xc0000005) at  
   pc=0x000000006dc87954,  
pid=11740, tid=11552  
#  
1. JRE version: 6.0_18-b07  
2. Java VM: Java HotSpot(TM) 64-Bit Server VM (16.0-b13 mixed mode  
windows-amd64 )  
  
1. Problematic frame:  
2. V jvm.dll+0x3f7954  
#  
1. If you would like to submit a bug report, please visit:  
2. http://java.sun.com/webapps/bugreport/crash.jsp  
#  
----- T H R E A D -----
```

regular EXCEPTION_ACCESS_VIOLATIONs in...

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(<http://www.jetbrains.com/devnet/message/5004875#5004875>,

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Original message URL:

<http://www.jetbrains.net/devnet/message/5258330#5258330>

--

Dmitry Jemerov

Development Lead

JetBrains, Inc.

<http://www.jetbrains.com/>

"Develop with Pleasure!"



[Oleg Estekhin](#) 27 posts since

Nov 10, 2005 3. **Re: regular EXCEPTION_ACCESS_VIOLATIONS in jvm.dll** Mar 11, 2010 5:42 PM

Dmitry, i am now trying to run Idea with -XX:-ReduceInitialCardMarks. Either it will help and i will not reply to this post anymore or i will return with new crash log. Hope for the former.



[Randall Schulz](#) 986 posts since

Nov 17, 2006 4. **Re: regular EXCEPTION_ACCESS_VIOLATIONS in jvm.dll** Mar 11, 2010 5:57 PM

I was under the impression this was strictly a 32-bit issue. And heretofore, at least, only seen on Linux.

regular EXCEPTION_ACCESS_VIOLATIONS in...

Randall Schulz



Guest [5](#). **Re: regular EXCEPTION_ACCESS_VIOLATIONS in jvm.dll** Mar 11, 2010 7:12 PM

On Thu, 11 Mar 2010 17:57:08 +0000, Randall Schulz wrote:

I was under the impression this was strictly a 32-bit issue. And heretofore, at least, only seen on Linux.

-XX:-ReduceInitialCardMarks certainly seems to have cured the problem I was seeing on my 64-bit Linux box. I've had no crashes at all in the three weeks since I added it to my idea.vmoptions file. They'd been frustratingly common before that.

I meant to post a follow-up thanking you for suggesting it (it was you, right?)... So thank you 😊

--

Mark Scott

mark@codebrewer.com



[Randall Schulz](#) *986 posts since*

[Nov 17, 2006 6](#). **Re: regular EXCEPTION_ACCESS_VIOLATIONS in jvm.dll** Mar 11, 2010 11:28 PM

regular EXCEPTION_ACCESS_VIOLATIONS in...

I may have been the first to suggest it here (in the IDEA forums), but I myself was put onto the problem and its solution by a person who frequents #scala and who keeps a close eye on HotSpot internals.

Randall Schulz



Alex 1,017 posts since

May 19, 2003 7. Re: regular EXCEPTION_ACCESS_VIOLATIONS in jvm.dll Apr 5, 2010 7:25 AM

I just recently switched from Ubuntu Linux 09.10 64-bit to Windows 2008 R2 64-bit to run IntelliJ 9 since IntelliJ was crashing within 30-60 seconds on startup in Ubuntu.

Windows is working better, but it is crashing about once per hour with what looks like the same error mentioned in this thread.

I will try the -XX:-ReduceInitialCardMarks and see if it fixes the problem.

Thanks -Alex

#

A fatal error has been detected by the Java Runtime Environment:

#

EXCEPTION_ACCESS_VIOLATION (0xc0000005) at pc=0x000000006dc87a7f,
pid=4624, tid=4884

#

JRE version: 6.0_18-b07

Java VM: Java HotSpot(TM) 64-Bit Server VM (16.0-b13 mixed mode windows-amd64)

Problematic frame:

V [jvm.dll+0x3f7a7f]

#

If you would like to submit a bug report, please visit:

<http://java.sun.com/webapps/bugreport/crash.jsp>

regular EXCEPTION_ACCESS_VIOLATIONS in...

#

----- T H R E A D -----

Current thread (0x000000000384000): GCTaskThread [stack:
0x0000000006290000,0x0000000006390000] [id=4884]

siginfo: ExceptionCode=0xc0000005, reading address 0x0000000000000018



Alex 1,017 posts since

May 19, 2003 8. Re: regular EXCEPTION_ACCESS_VIOLATIONS in jvm.dll Apr 5, 2010 7:48 AM

I read the bug (http://bugs.sun.com/view_bug.do?bug_id=6896647) and it has a linked bug (http://bugs.sun.com/view_bug.do?bug_id=2186975) for java 6 update 19 which says it was fixed in 6u19(b02). Since released 6u19 says build b04, it should be fixed.

But I checked java 6 update 19 release notes, and I don't see the bugfix mentioned there.

<http://java.sun.com/javase/6/webnotes/6u19.html>

I will try java 6 update 19 first to see if that fixes the problem, and if that doesn't work I'll use the workaround.

Thanks,

-Alex