

Re: Application hangs in IIS6 not in IIS5 isolation mode

Source:

<http://www.tech-archive.net/Archive/Internet-Server/microsoft.public.inetserver.iis/2004-07/0949.html>

From: Pat [MSFT] (patfilot_at_online.microsoft.com)

Date: 07/10/04

Date: Fri, 9 Jul 2004 23:14:32 -0700

The hang is caused b/c the ASP threads are trying to marshal to thread c40:

Thread ID: 15

System Thread ID: c40

Kernel Time: 0:0:2.31

User Time: 0:0:7.734

*** ERROR: Symbol file could not be found. Defaulted to export symbols for C:\wopac\DLL\WebbOPAC\430\olgsr430debug_e.dll -

*** ERROR: Symbol file could not be found. Defaulted to export symbols for C:\wopac\DLL\WebbOPAC\430\web430test.dll -

Thread Type: ASP

Executing Page: Unable to locate ASP page

ChildEBP RetAddr

00 025e7004 77f4262b SharedUserData!SystemCallStub+0x4

01 025e7008 77e418ea ntdll!NtDelayExecution+0xc

02 025e7070 0314e2dd kernel32!SleepEx+0x68

WARNING: Stack unwind information not available. Following frames may be wrong.

03 025e7150 0314e497 olgsr430debug_e!DllCanUnloadNow+0x1cfa77

04 025e7190 0302efbc olgsr430debug_e!DllCanUnloadNow+0x1cfc31

05 025e72f0 02fa8205 olgsr430debug_e!DllCanUnloadNow+0xb0756

06 025e7384 02b5258d olgsr430debug_e!DllCanUnloadNow+0x2999f

07 025e7444 770f6109 web430test!DllCanUnloadNow+0x3ab

08 025e7464 7359a2fb OLEAUT32!DispCallFunc+0x15d

09 025e7dc0 7359a0f4 MSVBVM60!EpiInvokeMethod+0x5a3

0a 025e7e1c 7714d7ac MSVBVM60!BASIC_CLASS_Invoke+0x64

0b 025e7e50 7714c5d4 OLEAUT32!IDispatch_Invoke_Stub+0x50

0c 025e7e88 77ce847b OLEAUT32!IDispatch_RemoteInvoke_Thunk+0x30

0d 025e825c 77ce5862 RPCRT4!NdrStubCall2+0x1a4

0e 025e82b4 77114196 RPCRT4!CStdStubBuffer_Invoke+0xc6

0f 025e82d4 77269ae0 OLEAUT32!CStubWrapper::Invoke+0x9d

10 025e8318 77269a8a ole32!SyncStubInvoke+0x33

11 025e8360 77179c5c ole32!StubInvoke+0xa5

12 025e8438 77179b81 ole32!CContextComChnl::ContextInvoke+0xe3

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13 025e8454 771928d6 ole32!MTAInvoke+0x18
14 025e8484 77269eaf ole32!STAInvoke+0x56
15 025e84b8 77269872 ole32!AppInvoke+0x7c
16 025e8584 77269e66 ole32!ComInvokeWithLockAndIPID+0x29f
17 025e85ac 7719290a ole32!ComInvoke+0x9d
18 025e85bc 7717964b ole32!ThreadDispatch+0x1f
19 025e85d4 77d0612f ole32!ThreadWndProc+0xfc
1a 025e8600 77d069a5 USER32!InternalCallWinProc+0x1b
1b 025e8678 77d06689 USER32!UserCallWinProcCheckWow+0x151
1c 025e86e0 77d0fae4 USER32!DispatchMessageWorker+0x327
1d 025e86ec 73584d53 USER32!DispatchMessageA+0xb
1e 025e872c 73584c8c MSVBVM60!ThunderMsgLoop+0x87
1f 025e8740 73584c2e MSVBVM60!CMsoCMHandler::FPushMessageLoop+0x19
20 025e8770 73584b6a MSVBVM60!SCM::FPushMessageLoop+0xb9
21 025e878c 73584b35 MSVBVM60!SCM_MsoCompMgr::FPushMessageLoop+0x2b
22 025e87b0 73597f50 MSVBVM60!CMsoComponent::PushMsgLoop+0x26
23 025e87c0 73597ee6 MSVBVM60!HostDoEvents+0x41
24 025e87cc 03157a5b MSVBVM60!rtcDoEvents+0x7
25 025e884c 0314cea7 olgsr430debug_e!DllCanUnloadNow+0x1d91f5
26 025e89c8 0302ef1d olgsr430debug_e!DllCanUnloadNow+0x1ce641
27 025e8b30 02fa8205 olgsr430debug_e!DllCanUnloadNow+0xb06b7
28 025e8bc4 02b5258d olgsr430debug_e!DllCanUnloadNow+0x2999f
29 025e8c84 770f6109 web430test!DllCanUnloadNow+0x3ab
2a 025e8ca4 7359a2fb OLEAUT32!DispCallFunc+0x15d
2b 025e9600 7359a0f4 MSVBVM60!EpiInvokeMethod+0x5a3
2c 025e965c 7714d7ac MSVBVM60!BASIC_CLASS_Invoke+0x64
2d 025e9690 7714c5d4 OLEAUT32!IDispatch_Invoke_Stub+0x50
2e 025e96c8 77ce847b OLEAUT32!IDispatch_RemoteInvoke_Thunk+0x30
2f 025e9a9c 77ce5862 RPCRT4!NdrStubCall2+0x1a4
30 025e9af4 77114196 RPCRT4!CStdStubBuffer_Invoke+0xc6
31 025e9b14 77269ae0 OLEAUT32!CStubWrapper::Invoke+0x9d

This thread (which is blocking everyone else) is calling Sleep() from within the olgsr430debug_e.dll. It appears that the dll is the cause of the hang.

So, a couple of observations:

- 1) I can't tell why the threads all try to marshal. Possibly the object is marked as Single threaded and not Apartment threaded.
- 2) Calling Sleep() is not a good thing to do, generally speaking, in a Server side app. There are a very few times when it is OK, but this is not one of them.

Pat

"Thorsten Jakobsson" <thorsten@axiell.se> wrote in message
news:%234\$no0OZEHA.3128@TK2MSFTNGP09.phx.gbl...
> > *You can also use IIS State to capture the state of the w3wp.exe during
> the*
> > *"hang" and please post the log here.*
> > *We will try to use IIS State and post the log tomorrow. The server in
> > question*

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> > *is not available today, so we will do the logging when it is not occupied.*

>

> *Hello again, we have now captured the state of the w3wp.exe during the*

> *"hang". It is attached to this message.*

>

> *Sincerely,*

> *Thorsten Jakobsson*

>

> *"Thorsten Jakobsson" <thorsten@axiell.se> skrev i meddelandet*

> *news:%23FxASo0YEHA.3476@tk2msftngp13.phx.gbl...*

> > *Thanks for the answer.*

> > > *Is this application running in "low isolation" when running in IIS5*

> > > *Compatibility Mode?*

> > *It is running in "medium isolation" in IIS5 Compatibility Mode.*

> >

> > > *What recycling options did you configure for IIS6 Worker Process*

> *Isolation*

> > > *Mode?*

> > *The default recycling options are used.*

> >

> > > *You can also use IIS State to capture the state of the w3wp.exe during*

> *the*

> > > *"hang" and please post the log here.*

> > *We will try to use IIS State and post the log tomorrow. The server in*

> > *question*

> > *is not available today, so we will do the logging when it is not*

> *occupied.*

> >

> > */Thorsten*

> >

> > *"David Wang [Msft]" <someone@online.microsoft.com> skrev i meddelandet*

> > *news:OG65uB0YEHA.2520@TK2MSFTNGP12.phx.gbl...*

> > > *If it works on IIS6 set in IIS5 Isolation mode, then the problem is*

> *likely*

> > > *NOT with IIS6 but rather with how your application handles the*

> *difference*

> > *in*

> > > *process model between IIS5 Compatibility Mode and IIS6 Worker Process*

> > > *Isolation Mode. IIS6 runs nearly the same server core for IIS5*

> *Isolation*

> > > *Mode, including exactly the same ASP engine, so we know IIS6 works*

> *with*

> > *your*

> > > *application.*

> > >

> > > > *Is this application running in "low isolation" when running in IIS5*

> > > > *Compatibility Mode?*

> > > > *What recycling options did you configure for IIS6 Worker Process*

> *Isolation*

> > > > *Mode?*

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> > >
> > > *You can also use IIS State to capture the state of the w3wp.exe during*
> *the*
> > > *"hang" and please post the log here.*
> > > *<http://www.iisfaq.com/default.aspx?view=P197>*
> > >
> > > *--*
> > > *//David*
> > > *IIS*
> > > *This posting is provided "AS IS" with no warranties, and confers no*
> > *rights.*
> > > *//*
> > > *"Thorsten Jakobsson" <thorsten@axiell.se> wrote in message*
> > > *news:OOyriazYEHA.2972@TK2MSFTNGP12.phx.gbl...*
> > > *Hello,*
> > > *we have a problem with an application that hangs after some time in*
> > *IIS6.*
> > > *The application worked in IIS5 and also works in IIS6 if we set IIS5*
> > > *isolation mode.*
> > >
> > > *Some customers use other applications, so we can not use IIS5*
> *isolation*
> > > *mode in IIS6.*
> > >
> > > *The application uses a VB6-DLL that is called from an ASP-page. The*
> *DLL*
> > > *communicates*
> > > *with another server using TCP/IP. We use the Microsoft Winsock Control*
> *6.0*
> > > *for communication,*
> > > *MSWINSCK.OCX. We used our own TCP/IP ocx before, but got the same*
> *problem*
> > > *as*
> > > *with MS Winsock Control.*
> > >
> > > *If we remove the tcp/ip-code it does not hang, but we need of course*
> *the*
> > > *communication code.*
> > > *When we test with the Microsoft Webapplication Stress Tool, we get the*
> > > *problem*
> > > *after 700 - 1500 calls to the asp-page. The number of calls before it*
> > *hangs,*
> > > *varies.*
> > > *In order to find the problem, we have tried to only use the code that*
> *does*
> > > *Connect, exchange a*
> > > *little data and Close. Still hangs.*
> > > *Is there a problem with winsock communication in IIS6? Or is there a*
> > > *problem with*
> > > *number of open files, or calling DLL/OCXs we cannot figure out where*
the

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> > > *problem is.*

> > >

> > > *Sincerely,*

> > > *Thorsten Jakobsson*

> > > *Axiell Bibliotek*

> > >

> > >

> > >

> >

> >

>

>

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