

## Re: Difference between IIS 5 and IIS6

**Source:**

<http://www.tech-archive.net/Archive/Internet-Server/microsoft.public.inetserver.iis/2005-03/1417.html>

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**From:** David Wang [Msft] (*someone\_at\_online.microsoft.com*)

**Date:** 03/17/05

Date: Thu, 17 Mar 2005 09:21:29 -0800

You do not need a machine with symbols. IF the machine is allowed to reach microsoft.com and you have the latest Microsoft Debugging Toolkit, that is all you need.

If you have the request that hangs, it is best to contact Microsoft PSS with that info and get them to live debug it. The best thing from a troubleshooting perspective is a reliable, single-action mechanism to reproduce the issue over and over.

--

//David

IIS

<http://blogs.msdn.com/David.Wang>

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"John Lopez" <John.Lopez@discussions.microsoft.com> wrote in message news:FBDC8D9C-A21E-4123-9678-F3539AC2C01E@microsoft.com...

I found this article:

<http://www.microsoft.com/resources/documentation/WindowsServ/2003/all/Deployguide/en-us/Default.a>

regarding recycling application pools. I'm going to see if I can isolate all pages that relate to SQLXML into one app pool and set a fairly aggressive recycle schedule.

If I could produce such a query that hangs the environment, what is the best method of collecting the state to find out why it is hanging? I currently don't have a Windows 2003 Server with debug symbols running...

"David Wang [Msft]" wrote:

> Well, IIS5 and IIS6 are completely different web servers on completely  
> different codebase -- night and day difference in design and  
implementation.

>

> If I remember correctly, SQLXML is an ISAPI that runs on top of IIS to  
> handle such functionality, so IIS does not interact with SQLXML at all.

> From an ISAPI perspective, the interface has not changed, though without  
> debugging the server when you see this problem, we're probably not going  
to

> get to the bottom of the issue. It looks like the ISAPI has problems with  
> certain requests, and ideally, if you can formulate the request such that  
> you can send it at any time and the ISAPI will just hang -- that would be  
> enough detail for us to diagnose.

>

> You should not need to restart IIS6 to work around -- just need to recycle  
> the application pool containing the affected page, and it should be good  
to

> go.

## microsoft.public.inetserver.iis: Re: Difference between IIS 5 and IIS6

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>
> --
> //David
> IIS
> http://blogs.msdn.com/David.Wang
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rights.
> //
> "John Lopez" <John.Lopez@discussions.microsoft.com> wrote in message
> news:F0E34EA3-DC80-4792-8A33-AD4A6333CDB5@microsoft.com...
> I have recently transfered our production site from a machine running
> Windows
> 2000 Server to one running Windows 2003 Server. I have a function wrapper
> for
> making calls to return an XML stream in VBScript:
>
> sub openSQLXML(oXMLDoc, sql)
> 'Given an XMLDomDocument (or a stream) and a sql statement,
> 'this function returns the query as XML to the document.
>
> dim oCommand
> set oCommand = Server.CreateObject("ADODB.Command")
> oCommand.ActiveConnection = oConn
> oCommand.CommandType = adCmdText
> oCommand.CommandText = wrapSQLXML(sql)
> oCommand.Dialect = XML_DIALECT
> oCommand.Properties("Output Stream").Value = oXMLDoc
> oCommand.Execute , , adExecuteStream
> end sub
>
> wrapSQLXML is:
>
> Const XML_SP_QUERY_START = "<Root
> xmlns:sql='urn:schemas-microsoft-com:xml-sql'><sql:query>"
> Const XML_SP_QUERY_END = "</sql:query></Root>"
> Const XML_DIALECT = "{5D531CB2-E6ED-11D2-B252-00C04F681B71}"
> function wrapSQLXML(sql)
> wrapSQLXML = XML_SP_QUERY_START & server.HTMLEncode(sql) &
XML_SP_QUERY_END
> end function
>
>
> In the instance that I am having problems with, the call is to a stored
> procedure that looks like this:
>
> CREATE PROCEDURE [dbo].[ap_getSecurityEntitiesByOrgXML]
> @retrieveOrg INTEGER,
> @adminLevel INTEGER,
> @adminLocation INTEGER
> as
> SET NOCOUNT ON
> SELECT 1 as Tag, NULL as Parent,
> lkEntityID as [Entity!!EntityID],
> vcUserNameLast + ', ' + vcUserNameFirst as [Entity!!EntityName],
> fkEntityStatus as [Entity!!EntityStatusID],
> CASE WHEN (@adminLevel = 9 and fkEntityStatus <> 10) or @adminLevel=10 or
> @adminLevel=7 THEN 1
> WHEN @adminLevel = 6
> AND @adminLocation = tblSecEntity.SecOrgLocationID
> AND tblSecEntity.fkEntityStatus <> 9 THEN 1
> ELSE 0
> END as [Entity!!CanEdit]
```

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```
> FROM tblSecEntity
> WHERE SecOrgID = @retrieveOrg AND vcUserNameLast IS NOT NULL AND
> vcUserNameFirst IS NOT NULL
> ORDER BY [Entity!1!EntityName]
> FOR XML EXPLICIT
>
> GO
>
> The problem is that all of this worked (and continues to work) fine under
> Windows 2000 Server. Under Windows 2003 Server it works, most of the time.
> However, about once a day (sometimes more, sometimes less) the page that
> uses
> all of this fails to load. Once it fails, any further calls to this page
> (or
> any other pages that use SQLXML) will fail. When this happens I can go in
> and
> attempt to debug the code and I will get back a failure on the line
> "oCommand.Execute , , adExecuteStream" with a timeout error. Thinking that
> perhaps something deadlocked on the SQL side, I restarted SQL Server which
> had no effect.
>
> The only way I can get the pages to work again is to restart IIS 6.0. The
> workload on the new server is no more than what ran on the old server and
> there are no other errors occurring within the system that I am aware of.
Is
> there something different about IIS 6.0 and its interactions with SQLXML
> that
> I should know about?
>
>
>
```