

Re: Confused about ASP, "sessions", and queuing of multiple requests

Source:

<http://www.tech-archive.net/Archive/Internet-Server/microsoft.public.inetserver.iis/2004-02/2928.html>

From: Ohaya (*Ohaya_at_NO_SPAM.cox.net*)

Date: 02/24/04

Date: Tue, 24 Feb 2004 03:43:22 -0500

Hi All,

I think that I've made some progress, but I'm not quite sure if it's backwards or forwards :(!

I tried testing with the keepalive (in IIS Manager) for the website disabled/unchecked. With keepalive on the website disabled, I am seeing consistently that when I start IE, then go to my test page, ASP is **ALWAYS** not queuing. I then re-enabled keepalive on the website, and ASP queuing went back to being inconsistent again.

Disabling keepalive might be ok, but I also found that if I tried to go to the test page again after the 1st try, ASP would queue the requests :(.

Seems like I can't win :(...

Any other suggestions??

"Ohaya" <Ohaya@NO_SPAM.cox.net> wrote in message
news:uopADcr%23DHA.4060@TK2MSFTNGP10.phx.gbl...

> *Ken,*

>

> *Thanks. I think that I understood that scenario (two IE instances), but if*

> *I just run one IE instance and load a HTML page with, say, 2 IMG tags, e.g.:*

>

> **

> **

>

> *and I watch Performance Monitor "Requests Executing" and "Requests Queued",*

> *I am seeing that sometimes the requests get queued (I can see "Requests*

> *Queued" increment, then decrement), and sometimes they don't get queued.*

I

microsoft.public.inetserver.iis: Re: Confused about ASP, "sessions", and queuing of multiple requests

> haven't been able to discern a pattern to this on my test system at home.
> I've tried things like clearing the IE cache, setting IE to load pages every
> time, etc., to no avail.
>
> I'm really puzzled about why ASP is queuing requests sometime, and not
> others on my system. If I could figure that out definitively, maybe it'd
> give a hint about why I'm seeing queuing on 2 other systems, but not on
one
> other one :(...

>
>
> Jim
>
>
>
>
>
> "Ken Schaefer" <kenREMOVE@THISadOpenStatic.com> wrote in message
> news:OEAjcxp%23DHA.3828@TK2MSFTNGP10.phx.gbl...
>> If you start a new instance of IE, then it does not share any in-memory
>> cookies (include ASP session state cookie) with the first IE instance.
As
>> far as IIS is concerned, this is two separate ASP sessions. That is why
> you
>> are probably seeing parallel processing.
>>
>> Cheers
>> Ken
>>
>> "Ohaya" <Ohaya@NO_SPAM.cox.net> wrote in message
>> news:ezBHIqp%23DHA.3500@tk2msftngp13.phx.gbl...
>> : Sylvain,
>> :
>> : BTW, I forgot to mention:
>> :
>> : If I run my Waitfor test with 2 different instances of IE (on same
>> machine,
>> : but 2nd IE started from Start, not using Ctrl-N) simultaneously, I see
>> : Requests Executing in Perfmon as 2, i.e., in this situation, IIS *IS*
>> : apparently processing both requests simultaneously/in parallel.
>> :
>> : Like I said, I'm confused about what is different (specifically)
between
>> the
>> : above test, and generating multiple HTTP requests from a single IE
>> : instance...
>> :
>> :
>> :
>> : "Ohaya" <Ohaya@NO_SPAM.cox.net> wrote in message
>> : news:OiJzRkp%23DHA.2520@TK2MSFTNGP11.phx.gbl...
>> : > Sylvain,

Re: Confused about ASP, "sessions", and queuing of multiple requests

microsoft.public.inetserver.iis: Re: Confused about ASP, "sessions", and queuing of multiple requests

> > : >
> > : > *Thanks for responding...*
> > : >
> > : > *Re. Waitfor, I just installed it for the test I described.*
> > : >
> > : > *Sorry if I'm being obtuse. I think I understand that one IE
instance*
> > *can*
> > : > *generate multiple HTTP requests into IIS, e.g., in the instances
that*
> > *you*
> > : > *described. In our case, I think your example of setting an IMG SRC
to*
> > *an*
> > : > *ASP is exactly what we have, with multiple of these IMGs on one
page.*
> > : >
> > : > *But, I guess I'm still unclear about when IIS/ASP will or will not
> > handle*
> > : > *these multiple requests in a "queuing" fashion vs. not in a queuing
> > : fashion.*
> > : >
> > : > *What exactly determines this? As I mentioned, the posts I've seen
> > vaguely*
> > : > *mention "in the same session", without clearly defining what they
mean*
> > *by*
> > : *a*
> > : > *"session".*
> > : >
> > : > *Actually, the reason that I'm chasing all of this around is that we
> > are*
> > : > *running IIS on a multiprocessor server. With the IE client firing
> > : multiple*
> > : > *requests to IIS, we thought that the multiple requests from IE would
> > be*
> > : > *spread across the multiple processors.*
> > : >
> > : > *But on our production server, instead, for a given user operation at
> > the*
> > : > *IE/client end, which, again, creates several HTTP requests to IIS,
> > we're*
> > : > *seeing CPU activity on 1 CPU, then the next CPU, then the next CPU,
> > etc.,*
> > : > *until the user operation is complete.*
> > : >
> > : > *The conclusion we're coming to is that for some reason ASP on the
> > : production*
> > : > *server is not handling the multiple requests "in parallel", but
rather*
> > : > *queuing the requests (we see the parallel processing on a different*

Re: Confused about ASP, "sessions", and queuing of multiple requests

microsoft.public.inetserver.iis: Re: Confused about ASP, "sessions", and queuing of multiple requests

> > : > *multiprocessor server that we use for testing, but not on the
> production
> : > machine).*
> > : >
> > : > *We just cannot figure out what is different between these 2 machines
> that
> : > would cause queuing the requests in one case, but not in the other.*
> > : >
> > : > *Thanks,*
> > : > *Jim*
> > : >
> > : > *"Sylvain Lafontaine" <sylvain aei ca (fill the blanks, no spam
> please)>*
> > : > *wrote in message news:O7nX9Np%23DHA.688@tk2msftngp13.phx.gbl...*
> > : > > *That's true since IIS 3.0 and there are occasions when you don't
> need
> to
> : > > make quick refresh to see it in action.*
> > : > >
> > : > > *For example, this is necessary when the IE is making simultaneous
> : requests
> : > > to the IIS. Exemple of this are when you are dividing your page
> using
> : > > Frameset: each frame contains one HTML page as its source.
> Refreshing
> a
> : > > > frameset then require to ask the server for more than one HTML
page.*
> > : > >
> > : > > *Another example is when the source of an objet is an ASP page,
like
> : this:
> : > >
> > : > >
> > : > >
> > : > > > *The use of Javascript and of other advanced facilities for
> requesting
> : data
> : > > > from one or more ASP pages also rise the possibilities of having
> : multiple
> : > > > simultaneous requests to the web server. It is clear from those
> example
> : > > > that the server cannot run these requests in parallele because of
> the
> : > > > possibility that the codes inside theses pages can make
> contradictory
> : > > > > changes to Session variables, global variables and/or other
objects,
> : like
> : > > > backend requests to a SQL-Server. This should clear any confusion
> into**

Re: Confused about ASP, "sessions", and queuing of multiple requests

microsoft.public.inetserver.iis: Re: Confused about ASP, "sessions", and queuing of multiple requests

> > : > *your*

> > : > > *mind.*

> > : > >

> > : > > *By the way, using things like WaitFor and others objets for timing*
> *in*

> > : *ASP*

> > : > > *can result in a severe degradation of performance from the IIS and*
> > *their*

> > : > > *usages must be reserved to the cases when they are strictly*
> *necessary.*

> > : > >

> > : > > *S. L.*

> > : > >

> > : > > *"Ohaya" <Ohaya@NO_SPAM.cox.net> wrote in message*

> > : > > *news:u0nrjZo%23DHA.552@TK2MSFTNGP11.phx.gbl...*

> > : > > > *Hi,*

> > : > > >

> > : > > > *I'm trying to understand a situation where ASP seems to be*
> > *"blocking"*

> > : *of*

> > : > > > *"queuing" requests. This is on a Win2K Advanced Server, with*
> *IIS5.*

> > : > > >

> > : > > > *I've seen some posts (e.g.,*

> > : > > >

> > : > >

> > : >

> > :

> >

>

<http://groups.google.com/groups?hl=en&lr=&ie=UTF-8&oe=UTF-8&selm=Tidy7IDbDHA.2108%40cpmsftngxa06.1>

> > : > > > *that indicate that ASP will queue up requests when they come in*
> *with*

> > : *the*

> > : > > > *same "session".*

> > : > > >

> > : > > > *My first question is "Can someone confirm that this is true?"*

(see

> > : > *below).*

> > : > > >

> > : > > > *My second is regarding what "same session" means in this*
context?

> > : > > >

> > : > > > *Several of the posts that I've seen with respect to this queuing*
> > *just*

> > : > *say*

> > : > > > *"session", but I've also seen some posts that say "ASP session",*
> *and*

> > : > *which*

> > : > > > *specifically mention "the ASP Session object". This latter*

> > *reference*

Re: Confused about ASP, "sessions", and queuing of multiple requests

microsoft.public.inetserver.iis: Re: Confused about ASP, "sessions", and queuing of multiple requests

> > :
> >
> >
> >
>
>