

Re: Massively slow internet connection

>>
>> Oops Steven, Lanwench is a SHE.....
>>
>> --
>> Regards,
>>
>> Marina Roos
>> Microsoft SBS-MVP
>> One of the Magical M&M's
>> www.smallbizserver.net
>> Take part in SBS forum:
>> <http://www.smallbizserver.net/Default.aspx?tabid=53>
>>
>> "Steven Wang [MSFT]" <v-stwang@xxxxxxxxxxxxxxxxxxxxxx> schreef in
>> bericht [news:i1\\$6axHtFHA.1336@xxxxxxxxxxxxxxxxxxxxxx](mailto:news:i1$6axHtFHA.1336@xxxxxxxxxxxxxxxxxxxxxx)
>>> Hello Tim,
>>>
>>> Thank you for posting.
>>>
>>> From your post, my understanding of this issue is: After running the
>>> "Connect to the Internet" wizard to change the preferred DNS
>>> server, the Internet connections becomes very slow on all client
>>> computers. If this is not correct, please feel free to let me know.
>>>
>>> First I would thanks for Lanwench's kind inputs. He provided useful
>>> information for us, and you may configure the DNS server and
>>> forwarder settings as his suggestion. In addition, the Default
>>> Gateway settings on all client computers and SBS Server should be
>>> pointed to the LAN port of the router.
>>>
>>> If the issue still exists, we may need to perform some test to
>>> narrow down the root cause of this issue. We can configure the DNS
>>> setting on one client computer to change the prefer DNS server to
>>> the external DNS server, and then try to open some Internet web
>>> sites to test the connection speed.
>>>
>>> If the Internet connection speed is still slow on this client
>>> computer, this issue may has nothing to do with the SBS Server. We
>>> may need to check the router/firewall, and I suggest also scan the
>>> computers for virus.
>>>
>>> If the Internet connection speed is normal on this client computer,
>>> we may perform the following steps for a test:
>>>
>>> 1. On the SBS 2003 Server, install the Dnscmd.exe program from the
>>> SBS 2003 Support Tools. To install the Windows Support Tools,
>>> right-click "Suptools.msi" in the Support\Tools folder on the SBS
>>> 2003 CD-ROM, and then click "Install". Follow the steps in the
>>> Windows Support Tools Setup Wizard to complete the installation of
>>> the Windows Support Tools.
>>>

Re: Massively slow internet connection

>>> 2. At a command prompt, type the following command, and then press
>>> ENTER:
>>>
>>> "dnscmd /config /enableednsprobes 0" (without the quotation marks)
>>> Note: Type a "0" (without the quotation marks) (zero) and not the
>>> letter "O" after "enableednsprobes" in this command.
>>>
>>> The following information appears:
>>> Registry property enableednsprobes successfully reset.
>>> Command completed successfully.
>>>
>>> This issue may be caused by the Extension Mechanisms for DNS (EDNS0)
>>> functionality that is supported in Windows Server 2003 DNS. ENDS0
>>> permits the use of larger User Datagram Protocol (UDP) packet
>>> sizes. However, some firewall programs may not permit UDP packets
>>> that are larger than 512 bytes. As a result, these DNS packets may
>>> be blocked by the firewall.
>>>
>>> After you run this command, Windows Server 2003 DNS no longer
>>> advertises its EDNS0 capabilities. As a result, the Windows Server
>>> 2003 DNS server will not be sent UDP packets that are larger than
>>> 512 bytes. For detailed information about this issue, please refer
>>> to the following KB article:
>>>
>>> Some DNS Name Queries Are Unsuccessful After You Upgrade Your DNS
>>> Server to Windows Server 2003
>>> <http://support.microsoft.com/?id=832223>
>>>
>>> An external DNS query may cause an error message in Windows Server
>>> 2003 <http://support.microsoft.com/?id=828731>
>>>
>>> If the issue still occurs, please help me to collect some
>>> information about your network configurations. Please perform the
>>> following steps on the SBS server and one of the client computer,
>>> and send the results files to me at v-stwang@xxxxxxxxxxxxxx, so that
>>> I can perform further research on this issue:
>>>
>>> 1. Collect Netdiag logs:
>>> -----
>>> a. Click Start, click Run, type cmd, and then click OK.
>>> b. Type "cd \" , press Enter, type "netdiag /v /1" (without the
>>> quotation marks), press Enter.
>>> c. Please send the C:\netdiag.log file to me.
>>>
>>> 2. Collect DNS Debug log:
>>> -----
>>> a. Open DNS.
>>> b. In the console tree, right-click the applicable DNS server, then
>>> click Properties.
>>> c. Click the Debug Logging tab.
>>> d. Select Log packets for debugging, and then select all the events

Re: Massivly slow internet connection

>>> that the DNS server to record for debug logging.
>>>
>>> Notes
>>> – To perform this procedure, you must be a member of the
>>> Administrators group on the local computer, or you must have been
>>> delegated the appropriate authority.
>>> – To open DNS, click Start, click Control Panel, double-click
>>> Administrative Tools, and then double-click DNS.
>>> – To set the debug logging options, you must first select Log
>>> packets for debugging.
>>> – To get useful debug logging output you need to select a Packet
>>> direction, a Transport protocol and at least one more option.
>>> – In addition to selecting events for the DNS debug log file, you
>>> can specify the file name, location, and maximum file size for the
>>> file. – Using debug logging options slows DNS server performance.
>>> For this reason, all debug logging options are disabled by default.
>>>
>>> e. Open some web site on the server and client computers. After 1
>>> or 2 hours, please stop the DNS debug logging and then send the DNS
>>> debug log file to me. By default this file is located at
>>> %systemroot%\System32\Dns\Dns.log.
>>>
>>> Hope the above information helps. If anything is unclear or you
>>> have any concern, please feel free to let me know. I look forward
>>> to hearing from you soon.
>>>
>>> Have a nice day!
>>>
>>> Steven Wang (MSFT)
>>> Microsoft CSS Online Newsgroup Support
>>>
>>> Get Secure! – www.microsoft.com/security
>>> =====
>>> This newsgroup only focuses on SBS technical issues. If you have
>>> issues regarding other Microsoft products, you'd better post in the
>>> corresponding newsgroups so that they can be resolved in an
>>> efficient and timely manner. You can locate the newsgroup here:
>>> <http://www.microsoft.com/communities/newsgroups/en-us/default.aspx>
>>>
>>> When opening a new thread via the web interface, we recommend you
>>> check the "Notify me of replies" box to receive e-mail
>>> notifications when there are any updates in your thread. When
>>> responding to posts via your newsreader, please "Reply to Group" so
>>> that others may learn and benefit from your issue.
>>>
>>> Microsoft engineers can only focus on one issue per thread.
>>> Although we provide other information for your reference, we
>>> recommend you post different incidents in different threads to keep
>>> the thread clean. In doing so, it will ensure your issues are
>>> resolved in a timely manner.
>>>

Re: Massivly slow internet connection

Re: Massively slow internet connection

>>> For urgent issues, you may want to contact Microsoft CSS directly.
>>> Please check <http://support.microsoft.com> for regional support
>>> phone numbers.

>>>

>>> Any input or comments in this thread are highly appreciated.

>>> =====

>>> This posting is provided "AS IS" with no warranties, and confers no
>>> rights.

>>>

>>> -----

>>>> From: "Marina Roos [SBS-MVP]" <marina@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

>>>> References: <#jkisP5sFHA.3604@xxxxxxxxxxxxxxxxxxxxxxxx>

>>>> <OWMnFY7sFHA.2064@xxxxxxxxxxxxxxxxxxxxxxxx>

>>>> Subject: Re: Massively slow internet connection

>>>> Date: Thu, 8 Sep 2005 15:07:33 +0200

>>>> Lines: 51

>>>> X-Priority: 3

>>>> X-MSMail-Priority: Normal

>>>> X-Newsreader: Microsoft Outlook Express 6.00.2800.1506

>>>> X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1506

>>>> Message-ID: <O7liLZHtFHA.4076@xxxxxxxxxxxxxxxxxxxxxxxx>

>>>> Newsgroups: microsoft.public.windows.server.sbs

>>>> NNTP-Posting-Host: computerworks.xs4all.nl 213.84.106.4

>>>> Path:

>>>

>> TK2MSFTNGXA02.phx.gbl!TK2MSFTNGXA03.phx.gbl!TK2MSFTNGP08.phx.gbl!TK2MSFTNGP

> 1

>>> 1.phx.gbl

>>>> Xref: TK2MSFTNGXA02.phx.gbl

>>>> microsoft.public.windows.server.sbs:203221 X-Tomcat-NG:

>>>> microsoft.public.windows.server.sbs

>>>>

>>>> When only using 1 nic in the server, you want to make sure you

>>>> have a proper hardware firewall. That 510 is just a simple NAT

>>>> router, nothing more. Use 2 nics with this setup. Post the

>>>> ipconfig/all from the server and one from a client.

>>>>

>>>> --

>>>> Regards,

>>>>

>>>> Marina Roos

>>>> Microsoft SBS-MVP

>>>> One of the Magical M&M's

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>>>> Take part in SBS forum:

>>>> <http://www.smallbizserver.net/Default.aspx?tabid=53>

>>>>

>>>> "Lanwench [MVP - Exchange]"

>>>> <lanwench@xx>

>>>> schreef in bericht news:OWMnFY7sFHA.2064@xxxxxxxxxxxxxxxxxxxxxxxx

>>>>>

Re: Massivly slow internet connection

>>>>>
>>>>> In news:%23jkisP5sFHA.3604@xxxxxxxxxxxxxxxxxxxxxxxx,
>>>>> Tim <Wingeronside@xxxxxxx> typed:
>>>>>> Hi,
>>>>>>
>>>>>>> I ran the 'Connect to the Internet' wizard again today, this time
>>>>>>> changing my preferred DNS to my domain hosting IP addresses. Since
>>>>>>> this all my client computers have has massivly slow internet
>>>>>>> connections, below 56k speeds! Also sites like e-bay.co.uk fail
>>>>>>> to load.
>>>>>>> Have I set something up wrong here? The domain is www.timsweb.net
>>>>>>>
>>>>>>> System setup:
>>>>>>> 4 Clients
>>>>>>> 1 SBS server
>>>>>>> I Speedtouch 510 ADSL
>>>>>>>
>>>>>>>> Server has one network card connecting it to the router, as do
>>>>>>>> all the other clients. (I know it should have 2 but one was
>>>>>>>> easier)
>>>>>>>>
>>>>>>>> I personally prefer a single NIC in a domain controller. If you
>>>>>>>> aren't running ISA, or the Windows firewall, you don't actually
>>>>>>>> *need* two.
>>>>>>>>
>>>>>>>>> Everyone needs to be pointing *only* at the SBS server's LAN IP
>>>>>>>>> for DNS – no external DNS server IPs should be in the clients or
>>>>>>>>> in the server's IP config itself. Use forwarders to your ISP's
>>>>>>>>> DNS server, in the DNS server properties itself, or use root
>>>>>>>>> hints only. I use both.

• **References:**

- ◆ **Massivly slow internet connection**
 ◇ From: Tim
- ◆ **Re: Massivly slow internet connection**
 ◇ From: Lanwench [MVP – Exchange]
- ◆ **Re: Massivly slow internet connection**
 ◇ From: Marina Roos [SBS–MVP]
- ◆ **Re: Massivly slow internet connection**
 ◇ From: Steven Wang [MSFT]
- ◆ **Re: Massivly slow internet connection**
 ◇ From: Marina Roos [SBS–MVP]
- ◆ **Re: Massivly slow internet connection**
 ◇ From: Steven Wang [MSFT]

• Prev by Date: **Help & Support**

Re: Massivly slow internet connection

- Next by Date: ***Re: Massivly slow internet connection***
- Previous by thread: ***Re: Massivly slow internet connection***
- Next by thread: ***Re: Massivly slow internet connection***
- Index(es):
 - ◆ ***Date***
 - ◆ ***Thread***