

Re: SunRay 2FS MTU

Source: <http://unix.derkeiler.com/Newsgroups/comp.sys.sun.admin/2008-09/msg00077.html>

- *From:* kfhutch26@xxxxxxxxxx
 - *Date:* Tue, 30 Sep 2008 08:37:51 -0700 (PDT)
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Casper, Thanks for the help. I think I've answered most of your questions.

What type of switches and network cards are you using?
Cisco 6509 with 100Mb modules running fiber to the SunRay MTRJ ports.

Why? (Typically everything is 1500 on a local network)
I tried running a ping test from several areas in the network (with a few different laptops). I had failures between my laptop and the V440s when sending a packet at 1500 bytes and not allowing the packet to fragment.

That sounds like the value of the option, not the option itself (it should be an integer):
Any clue what value would equal 1366?

Check that switches and Suns/Sun Ray are all using 100FDX (typically they negotiate correctly but if you force one link partner to FDX the other will use half-duplex unless it is also configured)
When I took over this project, I noticed they had it miss configured with half duplex. My Cisco guy went back reconfigured it for full duplex. I'll go back and double check to ensure he correctly configured the router.

It might also be that you are using Gbe from the V440 and in that case your switch needs to be able to buffer sufficient packets.
I'm hoping the Cisco 6509 can handle the buffer. I'll have my guy check to see if the buffer is having some problems handling the traffic.

If you have any other suggestions or questions, I'll be monitoring.
Its driving me crazy.

Re: SunRay 2FS MTU

On Sep 30, 3:30 pm, Casper H.S. Dik <Casper....@xxxxxxx> wrote:

kfhutc...@xxxxxxxxx writes:

I'm having issues with horizontal lines and slow redraws on my SunRay 2FS. I'm running Sun V440s, have very few customers using the system at this time, and the performance (slow draw and horizontal lines) are unacceptable. The SunRays are on a LAN, and have zero WAN clients at this time.

What type of switches and network cards are you using?

You are dropping network packets between the V440 and the SunRay 2FS.

I been doing quite a bit a research and think I have my issue narrowed down to the SunRay MTU (http://blogs.sun.com/ThinkThin/entry/the_importance_of_mtu). I performed the ping test described in the blog, and have determined that my MTU should be 1366 rather than 1500.

Why? (Typically everything is 1500 on a local network)

The blog says to change Option 23 on the DHCP server (I'm running a Windows 2003 Server with DHCP) to reflect the adjusted MTU. I found the Option, but the field will not accept 1366 or 0x556. It says it'll only take values between 0 – 255 or it's hex equivalent.

That sounds like the value of the option, not the option itself (it should be an integer)

Check that switches and Suns/Sun Ray are all using 100FDX (typically they negotiate correctly but if you force one link partner to FDX the other will use half-duplex unless it is also configured)

It might also be that you are using Gbe from the V440 and in that case your switch needs to be able to buffer sufficient packets.

Casper

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Expressed in this posting are my opinions. They are in no way related to opinions held by my employer, Sun Microsystems. Statements on Sun products included here are not gospel and may be fiction rather than truth.

Re: SunRay 2FS MTU