

SunManagers: SUMMARY: (NO SUMMARY) Setting serial line receive buffer size?

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From: Homan, Charles (NE) (*Charles.Homan_at_GDC4S.Com*)

Date: 05/23/03

Date: Fri, 23 May 2003 13:41:18 -0400

To: "'sunmanagers@sunmanagers.org'" <sunmanagers@sunmanagers.org>

Sorry for the delayed summary, but I got no responses, and I found no answer to my original question. However, the symptom the engineers saw (two minute "pauses" during FTP transmissions) went away once they turned off all compression options but one in the /etc/ppp/options file on each machine.

Regards,
/charles

ObDisclaimer: These comments are mine and don't necessarily reflect the views of my employers.

-----Original Message-----

From: Homan, Charles

Sent: Friday, May 09, 2003 9:20 AM

To: 'sunmanagers@sunmanagers.org'

Subject: Setting serial line receive buffer size?

Greetings, colleagues,

I have a user who wants to tweak his serial port receive buffer "trigger point" on a SunBlade 100 running Solaris 8. I'm sort of assuming this is possible – even *I* know how to do it on Windows, and that is saying something... ;-) Unfortunately, I can't find any info on how to go about it, so now I'm starting to wonder if it is indeed possible. I guess I'm also assuming that Sun serial ports work the same as PC serial ports – that is, that they collect a certain amount of data in a small buffer and then signal the processor with an interrupt to come and get the data. I have no idea if that is a correct assumption or not.

Some background: The user is developing an application using PPP over the serial port between two SunBlades. The line is connected by two long-haul modems which could theoretically be miles apart, but in the lab are about 10 feet apart. They are trying to FTP over the line, and are seeing 2 minute breaks in the connection. That is, FTP transfers some data, stops for two minutes, transfers a little more, stops for two more minutes, etc. I have

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to admit that I am not really involved in the diagnosis of this problem, but they believe that tweaking the receive buffer will help them out, and I would like to be able to tell them how to do that.

Any help would be appreciated. In the immortal words of Jean Claude van Damme, "Teach me." :-)

Thanks,
/charles

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sunmanagers mailing list
sunmanagers@sunmanagers.org
<http://www.sunmanagers.org/mailman/listinfo/sunmanagers>