
Subject: Re: cross platform performance issue

Posted by [Craig Markwardt](#) on Tue, 24 Oct 2000 07:00:00 GMT

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"Richard Tyc" <Richard_Tyc@sbrc.umanitoba.ca> writes:

...

- > Basically, I have set up a NFS mounted drive on the NT box using OMNI NFS
- > Server/Client from Xlink Technologies. This drive points to the unix drive
- > containing the images. This all works as well.
- >
- > The problem seems to be that read_binary() can take several (3-5) seconds to
- > read the image file (on the NFS shared drive) even though it is only 138Kb
- > (a 128x128 image plus header data) ! I mean , orders of magnitude longer
- > than simply copying the file (using NFS) to a local NT drive and then
- > reading it, which I am trying to avoid due to large numbers of files needed.
- > We have 10Mbit connection directly to the MR system - no routers, bridges
- > etc in the way
- >
- > Is this an NFS thing or is read_binary (or OPEN(), READU for that matter)
- > have any additional overhead when it comes to network wide file reads ?
- > Anyone have better success with other NFS products for NT ?

I just tried a data file using IDL 5.2 on a 10 Mbit/s connection between a Sun 20 and Dec Alpha. I got 620 kbyte/sec, this over a line shared with others in our laboratory. I simply read the entire contents of the 12 megabyte file using READU into a byte array.

The next question for you is, what happens when you try READU instead of READ_BINARY? Reading any old data should be fine.

I would say that if you are not getting close to 620 kbyte/s or better, and READ_BINARY is not the culprit, then you truly have a crummy implementation of NFS on your machine.

Good luck,
Craig

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Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
