Subject: Re: fstat update

Posted by ashmall on Fri, 29 Jan 1999 08:00:00 GMT

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Thanks for the response; since we can't have the program creating the data on the same machine as the IDL machine I think we might try having the "data program" write the data file onto the IDL machine's hard drive, via the network.

I think, however, that the problem isn't soley one of NFS (or equiv) update frequency since fstat reported the same file size every fews second for the whole 8 hour run!

Thanks again,

Justin

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In article <88iuduugyk.fsf@catspaw.jpl.nasa.gov>,
Vapuser<vapuser@catspaw.jpl.nasa.gov> wrote:
> ashmall@my-dejanews.com (Justin Ashmall) writes:
>
>> Dear All.
>> Has anyone had a problem like this?
>
>> We have a widget prog that periodically checks a file for new data,
>> it does this by monitoring the file size as returned by fstat. This
>> usually works fine but we have found on some (network) drives fstat
>> always returns the same value, namely the file size it first saw,
>> even though the file is growing. The only fix we've found is to
>> constantly close and re-open the file which is a rather inelegant,
>> if not inefficient, solution. It doesn't appear to be a buffering
>> problem since we can see the file size changing (across the network)
>> using the command line or a file manager.
>
>> Any suggestions?
>> (We're using IDL 5.1.1 under NT4)
>>
>> Many thanks,
>>
>> Justin
  I've seen this problem in a UNIX environment when running an IDL
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- routine on one machine that was querying the size of a file which
- resided on a disk that was NFS mounted from another machine. I am
- unfamiliar with NT, so I don't know if 'network disk' is a fair >
- analog of NFS. In this case it was a feature of the operating
- system/NFS, the file size didn't change as frequently on the NFS
- > client, therefore fstat reported EOF correctly as far as it could
- see. The work around was to run the program on the machine which

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hosted (i.e. for which the disk was local) the disk containing the
  file in question.
>
  Hope this helps in some small way.
>
> whd
>
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