

## Re: [SLE] Home made NAS with SUSE – filesystem questions

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  - *Date:* Tue, 18 Jul 2006 10:17:48 -0500 (CDT)
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On Wed, 19 Jul 2006, Basil Chupin wrote:

Dave Howorth wrote:

HG wrote:

Hi!

I'm planning to build a home made NAS using old hardware and SUSE. SUSE might not be the best OS for this, but it's the only Linux I have administered at least somewhat.

Ok, what I'm thinking is a old PC with lots of old disks inside and a gigabit ethernet (planning to do video editing over it also).

Even gigabit ethernet is WAY slower than local disks. You may find it a pain for video editing. It might be OK to store video there, copy it to a local disk while you edit it and then copy it back. But the bottom line is experience – I suggest you set up the gigabit link and run some tests with it first :)

Cheers, Dave

I haven't seen the original posting so this response is to HG.

Forget about using the gigabit ethernet way of transferring video files let alone trying to do editing of video over such a link. Just transferring a small ~4GB mpeg file will take about 45 minutes (from memory, so don't quote me :-)) and this using HDs with 16MB caches on both computers at the end of the gigabit connection. After falling asleep while one such transfer was taking place I gave the whole idea away and now only work on the one computer :-).

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Let's see. 4GB. 4GB = 4096 MB. At 50MB/s that is 82 seconds. At 1/2 of gig-e's (more like 62.5% of to be conservative) speed. At (say) 75 MB/s a 4GB transfer would take under a minute. That's \*way\* faster than any local disk I've ever had.

If it is taking that long to transfer the data you have something wrong with your network or the disks are too slow. If the disks are too slow than complaining about the network doesn't help.

(I have a tv card on each computer and it is not realistic to watch anything sent from one machine to the other over this link unless you enjoy looking at garbage on your monitor :-).)

Again, something has to be wrong with your setup. Even fast ethernet is more than capable of handling even HDTV-sized video streams. Lots and lots of people use fast ethernet (not even gig-e) for their myth boxes and freevo boxes, etc...

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Carpe diem – Seize the day.  
Carp in denim – There's a fish in my pants!

Jon Nelson <jnelson-suse@xxxxxxxxxxx>

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