

RE: Folder shares are being lost

Source:

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- *From:* Malcolm Smith <MalcolmSmith@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sat, 6 Oct 2007 07:24:02 -0700
-

I just took quick look at a folder and there is no "Security" tab when I choose the folder's "Properties" right-click menu option. There is a "Sharing" tab but nothing about "Security" nor an "Advanced" button.

The Windows online help also mentions the "Security" tab. Why would this tab not be visible ?

Mal

"Vinson" wrote:

Thank you for the very complete posting.

I think anything would be in the realm of possibility if the files are actually loosing their permissions. If the problems are happening to all clients everywhere, I would suspect some maximum has been reached although NTFS is supposed to support 2^{32} files (or 4,294,967,296 files) per volume before reaching a theoretical maximum.

I suppose I would review the event logs to see if the system mentions disk or permission problems. One step you might take is to schedule a chkdisk at boot up which would review the system security descriptors and indexes which could directly affect NTFS permissions, and if you have time, every disk sector for physical troubles. Other than this, I am sorry to say that I am out of ideas.

– Vinson

"Malcolm Smith" wrote:

In our situation, the folder is initially blank. We always test playback after several minutes of recording before leaving the customer site so we know that the share was valid.

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When the files can no longer be accessed (we have confirmed that files which were previously accessible have suddenly become unavailable), re-creating the share brings everything back online again.

The video files are security related so the video is guaranteed to be viewed more than once a day.

The network is purely workstation based – there are no domains and all machines have the same login username/password.

The machines are locked away in security cabinets and have no user interaction.

Could it have anything to do with the number of files ?

There are 16 sub-folders, one for each video channel. Each video file is 10 minutes long. This means that 30 days recording will contain approx. 69120 files (4320 per folder). Files older than 30 days are automatically deleted by the recording service.

Mal

"Vinson" wrote:

It may be that nothing more than your customer looking at the files only once per week; not noticing that the permissions were never right during the week, either.

You can look at the permissions on the files before recreating the share, and see if they are correct, before recreating the share. Further, you can turn on auditing, and see what is happening in the event viewer if you suspect someone is tinkering. Incidentally, cacls.exe may move faster at applying permissions than the GUI.

– Vinson

"Malcolm Smith" wrote:

I'll look into it. It's just odd that it works perfectly for a week and then

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goes unavailable.

Mal

"Vinson" wrote:

I bet it is an inheritance issue. If you create a basic server-level-share and then allow different users to write to that share, then by default, the permissions on the files being written pertain to the owners of the file, only. You might try to add special permissions to the share so that each file written will inherit a set of permissions set by you.

Right-click on the share and choose the security tab. Then click the Advanced command button. You will see a mult-tabbed Window. On the Permissions tab, there are check boxes which pertain to inheritance and a listview which shows the permissions that you wish to apply during inheritance. You might experiment with those settings.

- Vinson

"Malcolm Smith" wrote:

We've written software that records video 24/7. There is a folder, such

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as
e:\video,
that is
shared for
use by
external
applications
designed to
playback
the video
recording at
a future
time.

Our
customers
are
complaining
that once a
week they
are unable
to play
video. They
have found
that if they
remove the
share and
then add it
again
the problem
is resolved.
The
problem
within this
is that there
are
hundreds
of files so
this takes a
long time.

Any idea
why and
how to
overcome
this
problem ?

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