

Re: Move large number of files from AIX to Windows

Source: <http://unix.derkeiler.com/Mailing-Lists/AIX-L/2007-12/msg00008.html>

- *From:* "F. Even" <aixlists@xxxxxxxxxxxxx>
 - *Date:* Tue, 4 Dec 2007 00:41:44 -0600
-

Tried looking into cygwin/rsync as suggested above? ftp? Seems long.....

On Dec 3, 2007 3:09 PM, Alan R Vidmar <Alan.Vidmar@xxxxxxxxxxxxx> wrote:

I don't believe the size of the data is the problem, I believe it's the quantity of files and folders (and depth of folders) involved that contribute to the lengthy process. I can easily get ~45MB/s read and write off the F80 using NFS while testing with ATTO Disk benchmark.

Alan

"In God we trust, all others we virus scan"
Alan R. Vidmar Assistant Director of IT
Office of Financial Aid University of Colorado
Alan.Vidmar@xxxxxxxxxxxxx (303)492-3598
*** This message printed with 100% recycled electrons ***

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

From: IBM AIX Discussion List [<mailto:aix-l@xxxxxxxxxxxxx>] On Behalf Of Kurt Gilpin
Sent: Monday, December 03, 2007 1:39 PM
To: aix-l@xxxxxxxxxxxxx
Subject: Re: Move large number of files from AIX to Windows

Without getting the calculator out and figuring how many seconds it should take; Are you sure the network adapters are working properly? I've copied larger filespace than 60GB before, and it never took anywhere close to 36 hours. I routinely use cygwin and ssh to copy large filesystems over the network to a Windows machine, and it works just fine.

Kurt Gilpin
Senior Information Specialist
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Re: Move large number of files from AIX to Windows

Phone: 573.522.6022
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"Christopher D. Clausen" <cclausen@xxxxxxx>
Sent by: IBM AIX Discussion List <aix-l@xxxxxxxxxxxxxx>

12/03/2007 01:19 PM
Please respond to
IBM AIX Discussion List <aix-l@xxxxxxxxxxxxxx>

To
aix-l@xxxxxxxxxxxxxx
cc
Subject
Re: Move large number of files from AIX to Windows

Alan R Vidmar <Alan.Vidmar@xxxxxxxxxxxxxx> wrote:

I've got an F80 with a large number of files (1.6 Million
files, 800K

folders, ~60GB) on a JFS2 SSA Raid 5 array that I need to
get down to

a Windows server. I've been able to copy the files using
NFS and SSH,

but it just takes too long (~1.5 days) Both servers have Gb
interfaces and are working as expected, but NFS and SSH are
just too
slow for this process.

I think the fastest way may be to move the files/folders to a
portable/removable drive that can be attached to each server.
But I
just don't think there exists an interface/partition format that
both AIX and Windows2003 both support.

I also thought about TARing up the whole folder structure
then NFS or

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SSH it down, but the TAR process seems to take half as long as the transfer. Thus it's no time saver.

Any thoughts?

tar -c | nc on the AIX side and then nc | tar -x on the Windows side. You'll of course need to find a version of netcat and tar for Windows.

This should be significantly faster than SSH although there is no encryption or authentication.

You may also want to mount -noatime on the filesystem, if AIX supports such a thing, as writing an updated entry when the file is copied isn't exactly useful for you.

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