

# Migrate Data to NetApp (CIFS)

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[keene411](#) 4 posts since

Aug 12, 2008

We will be migrating our CIFS user shares from an old EMC Celerra to a new 3040a cluster.

Does anyone have a best practice method of moving/copying the shared data from one location to the other. I'd like to keep dates/times/owners/acl/etc the same on the source and destination.

Thanks!!

Ed

[BrendonHiggins](#) 477 posts since

Mar 26, 2008 1. **Re: Migrate Data to NetApp (CIFS)** Sep 25, 2008 12:44 PM

I moved files from a HP HSG80 to a FAS3050 CIFS using a PC and robo copy. Worked well with about 100Gb of office docs.

[keene411](#) 4 posts since

Aug 12, 2008 2. **Re: Migrate Data to NetApp (CIFS)** Sep 26, 2008 8:02 AM

Brendon - for a Celerra to Celerra migration we used EMC's emcopy which is their version of robocopy. I've been testing robocopy for the migration from Celerra to NetApp, but have been having a couple of issues with access to folders my admin account doesn't have an ACL for. Will continue to work on it.

Thanks!

Ed

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[JeremySmith](#) 5 posts since

Apr 15, 2009 3. **Re: Migrate Data to NetApp (CIFS)** Jul 8, 2009 4:44 PM

I've completed many CIFS migrations using nothing more than robocopy and vbscripts to control the jobs. To get around the issue of not having permissions to files and folders you can simply add the "/B" or preferably "/ZB" to backup the files in backup mode. Just make sure the account you are using to run the robocopy jobs has Backup Files and Restore Files privileges.

[kusek](#) 130 posts since

Mar 13, 2008 4. **Re: Migrate Data to NetApp (CIFS)** Sep 25, 2008 1:20 PM

As Brendon mentioned, robocopy makes a great tool for this.

Depending if you have extended needs as well, you can look into giving Securecopy a try.

Though for what it is worth, Robocopy will allow you to transfer data (baseline and incrementally) while retaining dates, times, owners, acl's and more.

Depending upon the depth, the amount of data you have, and the size of the window you have to transition this - you can look into breaking down the transfer based upon directory structures (Depending upon how you have your data laid out, multiple trees, etc)

If you also happen to be doing any host-data in addition to the Celerra, you should make sure that the ACL's assigned do not consist of any 'local group' type of security as this can be a challenge as part of your migration process. If it is all domain global/universal group membership as far as security goes, this likely won't pose a problem.

Good luck Ed!

Christopher

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[keene411](#) 4 posts since

Aug 12, 2008 5. **Re: Migrate Data to NetApp (CIFS)** Sep 26, 2008 8:06 AM

Christopher,

As I said to Brendon, I'm working through robocopy issues. I also downloaded Securecopy and am testing that.

My major issue is access to folders that the domain admins have been removed from (HR, home directories, etc). I wonder if there is a local group membership/policy I need to change - be a member of the Backup group?

I have time to migrate, so it will be one share at a time with the first full followed by incremental updates.

All access is via the AD so we don't have to worry about local users/groups.

Thanks...

Ed

[kusek](#) 130 posts since

Mar 13, 2008 6. **Re: Migrate Data to NetApp (CIFS)** Sep 26, 2008 8:16 AM

Having time at your disposal is excellent, especially while you work out some of the details (like security)

Depending upon how ownership is handled (and the ability to take advantage of things like backup group, etc)

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Remember if you need to do any mass ACL based changes, you have tools like CACLS and XCACLS at your disposal to assist in any permission changes if needed.

[cacls vs xcaccls](#)

Good luck in getting everything taken care of, and don't hesitate to ask anything else as you work this out!

Christopher

[cebulrdcis](#) 55 posts since

Apr 2, 2008 7. **Re: Migrate Data to NetApp (CIFS)** Sep 26, 2008 12:10 AM

another options is to coordinate with your NetApp vendor..

maybe they have some tools for you from NetApp like VFM...

[keeney411](#) 4 posts since

Aug 12, 2008 8. **Re: Migrate Data to NetApp (CIFS)** Sep 29, 2008 1:36 PM

Here is the latest...

robocopy and securecopy both work (I have issues with access into folders that my account doesn't have rights to - something I'll need to work out down the line).

The latest problem is that some of my source files are archived using Celerra File Archiver and have the offline bit set. When I copy the files using robocopy, the file is recalled to primary source storage and then copied over to the destination side. The problem is that

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the offline bit is set and is copied over as well (even though the file is no longer offline). The only way I can think of getting around this is to copy, delete and re-copy since a second run of robocopy doesn't change this bit unless the files are no longer on the destination and I can't find anything within robocopy that will reset this bit (there are other attributes that can be changed, but not the offline bit).

Thanks!

Ed

[rkaramchedu1](#) 96 posts since

Mar 9, 2008 9. **Re: Migrate Data to NetApp (CIFS)** May 28, 2009 11:59 AM

We've used SecureCopy with success in those types of migrations. There is also a new tool from Microsoft called RichCopy but it's buggy when it comes to retaining ACLs. Downside of SecureCopy is that it is not free.