Table Of Contents

nixCraft: Linux Tips, Hacks, Tutorials, And Ideas In Blog Format
http://www.cyberciti.biz/

Samba mount and access large 2GB+ files from share or NAS device

Posted by Vivek Gite <vivek@nixcraft.com>

Q. I'm using NAS server share to make a backup of my webserver. However samba is not allowing me to backup of large files (2GB+).

My Samba share mount command is as follows:
smbmount //nas1.domain.com/sharename /datanas -o
username=LOGINNAME,password=LOGINPASSWORD

Now if I copy file called /var/log/httpd/access.log (which is 3.5 GB file):
cp /var/log/httpd/access.log /datanas

I get ab error - file size limit exceeded

How do I solve this problem and copy large files to NAS samba share?

[1]

A. Linux kernel use smbfs.ko/smbfs.o module and it does not support file sizes greater than 2 GB. This is well known problem.

Mount your NAS samba share with lfs (large file system) option. General syntax is as follows:
smbmount //Hostname/Username /local/mountpoint -o username=username,password=password,lfs

For example:

```
# smbmount //nas1.domain.com/sharename /datanas -o
username=LOGINNAME,password=LOGINPASSWORD,lfs
```

Where,

- **//nas1.domain.com/sharename** : Server and Share name
- **/datanas** : Local mount point
- **-o username=LOGINNAME,password=LOGINPASSWORD,lfs** : Specify login, password and lfs options

Now you should be able to copy large files w/o a problem.

4000+ howtos and counting! Want to read more Linux / UNIX howtos, tips and tricks? Subscribe to our **daily email** newsletter or **weekly newsletter** to make sure you don't miss a single tip/tricks. Alternatively, subscribe via **RSS/XML** feed.

Article printed from Frequently Asked Questions About Linux / UNIX: **http://www.cyberciti.biz/faq/**

URL to article: **http://www.cyberciti.biz/faq/howto-access-files-greater-than-2gb-samba/**

URLs in this post:

[1] Image: **http://www.cyberciti.biz/faq/faq/category/linux/**