【3PAR】 3PAR8400 file persona用户权限不正确

存储软件 **李昂** 2021-08-27 发表

组网及说明

3PAR8440配置file persona，创建nfs共享

问题描述

user in secondary group unable to write nfs share, but primary group works fine
一个用户从组为目录的属组，那么就没有访问该目录。

过程分析

nfs客户端 创建用户：

User: testuser001
Primary Gruop : testgrp001
Secondary : testgrp002

User: testuser002
Primary Group : testgrp002

c. mount nfs share (in case of my test, nfs protocol is nfs v3
mount -t nfs -o nfsvers=3 16.148.243.128:/smb02_fpg/smb02_vfs/nfs_test001/testdir001 /mnt

d. change user, and create test directory with testuser002
[root@hpsv02 ~]# su testuser002
[testuser002@hpsv02 root]$ id
uid=1002(testuser002) gid=1002(testgrp002) groups=1002(testgrp002) cOntext=unconfined_u:unconfined_r:unconfined_t:s0-s0:c0.c1023

[testuser002@hpsv02 mnt]$ mkdir testdir01
[testuser002@hpsv02 mnt]$ chmod 775 testdir01
[testuser002@hpsv02 mnt]$ ls -lh
total 40K
drwxrwxr-x+ 2 testuser002 testgrp002 8.0K Oct 17 04:44 testdir01

e. create test file "001" under test directory "testdir01"
[testuser002@hpsv02 mnt]$ cd testdir01
[testuser002@hpsv02 testdir01]$ echo "test" > 001
[testuser002@hpsv02 testdir01]$ chmod 775 001
[testuser002@hpsv02 testdir01]$ ls -lh
total 8.0K
-rwxrwxr-x. 1 testuser002 testgrp002 5 Oct 17 04:48 001
[testuser002@hpsv02 testdir01]$ cat 001
test

e. exit testuser002 and switch user to testuser001
[testuser002@hpsv02 testdir01]$ exit
exit
[root@hpsv02 ~]# su testuser001
[testuser001@hpsv02 root]$ id
uid=1001(testuser001) gid=1001(testgrp001) groups=1001(testgrp001),1002(testgrp002) cOntext=unconfined_u:unconfined_r:unconfined_t:s0-s0:c0.c1023
[testuser001@hpsv02 root]$ cd /mnt
[testuser001@hpsv02 mnt]$ ls -lh
total 40K
drwxrwxr-x+ 2 testuser002 testgrp002 8.0K Oct 17 04:48 testdir01

[testuser001@hpsv02 mnt]$ cd testdir01
[testuser001@hpsv02 testdir01]$ ls -lh
total 8.0K
-rwxrwxr-x. 1 testuser002 testgrp002 5 Oct 17 04:48 001

f. try to read test file "001", and create new file as test purpose
[testuser001@hpsv02 testdir01]$ cat 001
test
[testuser001@hpsv02 testdir01]$ echo "testuser001" > 002
bash: 002: Permission denied

==> failed due to permission denied despite of "testdir01" has proper permission

解决方法

如果客户需要这样的权限访问，就需要一个停机窗口，进入底层修改配置，务必联系二线工程师操作

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login fpg owning vm node, and here is /etc/sysconfig/nfs.
[root@node1fs ~]# cat /etc/sysconfig/nfs
# This file was modified by nfs-component*.rpm.   the following ports must be static for nfs firewalling to wo
rk.
LOCKD_TCPPORT=32803
LOCKD_UDPPORT=32769
MOUNTD_PORT=892
STATD_PORT=662

NFSD_V4_GRACE=10
RPCNFSDCOUNT=64
RPCMOUNTDOPTS="-g"

h. remove RPCMOUNTDOPTS, then restart nfs & nfslock service manually
[root@node1fs ~]# vi /etc/sysconfig/nfs
=> remove RPCMOUNTDOPTS="-g"

[root@node1fs ~]# service nfslock restart
[root@node1fs ~]# service nfs restart
[root@node1fs ~]# ps auxw | grep rpc.mountd
root      18937  0.0  0.0  23720   952 ?        Ss   08:55   0:00 rpc.mountd -p 892
```