

# RE: File permissions and group and user access problem

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- *From:* <[A.Fadyushin@xxxxxxxxxxxxx](mailto:A.Fadyushin@xxxxxxxxxxxxx)>
  - *Date:* Fri, 28 Apr 2006 21:15:40 +0400
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-----Original Message-----

From: redhat-list-bounces@xxxxxxxxxxx [<mailto:redhat-list-bounces@xxxxxxxxxxx>] On Behalf Of Jeff Boyce  
Sent: Friday, April 28, 2006 12:01 AM  
To: redhat-list@xxxxxxxxxxx  
Subject: File permissions and group and user access problem

Greetings –

I am not sure if this is a Linux or a Samba problem, so let me

know if

I should be posting to the Samba list. I am not sure I fully understand

how

permissions work and making sure they are set up properly. I have

read

through all of my Linux, Samba, and networking books and haven't been

able

to resolved my issue.

My System:

RHES 3 fully up to date

Dell PE 2600 used primarily as a Samba file server to 10 Windows

boxes

## RE: File permissions and group and user access problem

My Objective:

I need to establish a directory for our accounting files that only allow two users to access the file. The accounting software (QuickBooks) is setup on a desktop Windows box with the accounting data file stored on the

Linux

server.

What I have done:

1. Setup an Accounting directory on server; current permissions

are

`drwxrws--T`

2. Created an Accounting group on the Linux server and included

the

two

users in this group.

3. Setup accounting users passwords (matching their Linux

passwords)

on

a common Window box (vers. ME/2000) that is used by the two users.

4. A Guest user is also setup on this Windows box for other

purposes

(I

realize the potential for risk with this but don't have another

option,

that

is why I am trying to achieve my objective).

5. A copy of an accounting data file for testing purposes is on

the

Linux server with permissions of `-rwxrw-----`

6. The owner of the accounting data file is one of the two users

in

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the  
accounting group.

7. Both users in the accounting group can access the Accounting directory and accounting data file through Windows file manager and

can

make  
changes to the data file in QuickBooks.

8. The Guest user can not access the Accounting directory or data file through Windows file manager, but if they run QuickBooks they can open

the

data file and it accepts changes to the file (this is what I want to prevent).

What I need to do:

I need to make sure that the Guest user (if they are able to start QuickBooks on this box) is restricted from making changes to the accounting data file. In other words, the Linux file permissions would not

accept

any  
changes to the data file if it recognizes the Guest user is logged

onto

the  
box.

It seems that the QuickBooks is accessing file using the identity of the user in Accounting group, not the identity of the Guest user for file permissions checking (because you have verified that Guest can not access the file directly from file manager. What are the messages in the Samba log files on the server during the access using QuickBooks? The smb daemon can log the information on the user accessing the file (if necessary, increase the verbosity of messages in the samba configurstuo file) therefore it could be determined who (what user) ia actually trying to access the file.

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Is this a Linux permissions issue, or a Samba share configuration problem? I can post my Samba share configuration if that would

assist.

What should I change to address my problem and meet my objective?

Thanks.

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