**How to enable NFSv4 on NetApp Vfilers**

1. Mount vfiler’s /etc directory
2. Enable nfsv4 option on vfiler

a. ssh <filer> vfiler run <vfiler> options nfs.v4.enable on

1. Specify the user ID domain option

a. options nfs.v4.id.domain int.westgroup.com

1. Add MQM UID and GID to the vfiler

a. copy example passwd file below to vfiler /etc directory

b. copy example group file below to vfiler /etc directory

1. Export the volume AND qtree separately to required hosts

a. see example exports file below

**NFSv4 options**

nfs.v4.enable on (value might be overwritten in takeover) enable on cluster partner if done at filer level)

nfs.v4.id.domain int.westgroup.com

**Example passwd file**

newnan:/anw # cat passwd

root:\_J9..mOzb8VgeFgKZUvA:0:1::/:

pcuser::65534:65534::/:

nobody::65535:65535::/:

**mqm::3987:5801:MQM User:/:**

ftp::65533:65533:FTP Anonymous:/home/ftp:

**Example group file**

newnan:/anw # cat group

daemon:\*:1:

**mqm:\*:5801:**

**Example Exports file: Notice volume AND volume/qtree are both exported**

/vol/ct\_jdg\_mq\_nosnap -sec=sys,rw=ctmq0004-12:ctmq0002-08,anon=0

/vol/ct\_jdg\_mq\_nosnap/j2012qa01 -sec=sys,rw=ctmq0004-12:ctmq0002-08,anon=0

**Example Vfiler with everything configured**

clnt-corp-e0093 on eg-nasclnt-e04 is a vfiler that can be used as an example

**How to enable NFSv4 on NetApp vServer Clustered Mode**

1) First the vServer needs to be configured to use idmapd.conf file

vserver modify -vserver [vServer Name] -ns-switch file -nm-switch file

2) Enable nfsv4 and specify domain on vServer

nfs server modify -vserver [vServer Name] -v4.0 enabled -v4.0-id-domain int.westgroup.com

3) Add the MQM UID and GID to the vServer

unix-group create -vserver [vServer Name] -name mqm -id 5801

unix-user create -vserver [vServer Name] -user mqm -id 3987 -primary-gid 5801

4) Export the volume and qtree seperatly to the required hosts

**Example Unix-Group**

unix-group show

(vserver services unix-group show)

Vserver Name ID

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nfs-8040-test01 mqm 5801

**Example Unix-User**

unix-user show

(vserver services unix-user show)

User User Group Full

Vserver Name ID ID Name

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nfs-8040-test01 mqm 3987 5801 MQM User