Subject: NFS mounts disappearing from OAS servers
Posted by nfshelp on Fri, 19 Oct 2007 21:33:55 GMT
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Hi all, I'd like to brainstorm the following issue for possible causes:

The Oracle database servers and Oracle Application Server servers we use, use NFS quite extensively. The database servers especially make use of NFS for database backups. Periodically the NFS mounts disappear from the servers. When this occurs, a lot of things can be affected.

Any ideas as to what could cause this? Could some type of time-out on a router or firewall be a cause?

Subject: Re: NFS mounts disappearing from OAS servers
Posted by nfshelp on Mon, 22 Oct 2007 21:34:23 GMT
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Here's some further information:

What mount option was used?

Mnt point	options	server	exported filesystem
common	-ro,soft,intr,retrans=9,tcp	celerra01_cge0:/Mid-Range_Export_DBA_Common	

Are you automounting? YES

Are the mounts clustered? no

What does "nfsstat –m" say?
[root@hsg05lt /]# nfsstat -m
nfsstat: invalid option -- m
Client rpc stats:
calls   retrans   authrefrsh
6119   0   0
Client nfs v3:
null   getattr   setattr   lookup   access   readlink
0   0% 1600   26% 299   4% 669   10% 347   5% 0   0%
read   write   create   mkdir   symlink   mknod
73   1% 2721   44% 21   0% 0   0% 0   0% 0   0%
remove   rmdir   rename   link   readdir   readdirplus
0   0% 0   0% 0   0% 0   0% 0   0% 32   0%
fsstat   fsinfo   pathconf commit
104   1% 104   1% 0   0% 149   2%

[root@rac02lt /]# nfsstat -m
nfsstat: invalid option -- m
Server rpc stats:
calls   badcalls   badauth   badclnt   xdrcall
0   0   0   0   0
Client rpc stats:
calls   retrans   authrefrsh
14108   0   0
Client nfs v3:
null   getattr   setattr   lookup   access   readlink
0   0% 1210   8% 592   4% 147   1% 525   3% 0   0%
read   write   create   mkdir   symlink   mknod
13   0% 11139 78% 47   0% 0   0% 0   0% 0   0%
remove   rmdir   rename   link   readdir   readdirplus
0   0% 0   0% 0   0% 0   0% 0   0% 60   0%
fsstat   fsinfo   pathconf commit
203   1% 60   0% 0   0% 112   0%

What OS is this being run on?
Client side
Hsg05lt - Red Hat Enterprise Linux AS release 3 (Taroon Update 7)
          Rac02lt - Red Hat Enterprise Linux AS release 4 (Nahant Update 3)

What's the timeout?
The default timeout is .7 sec. with the retrans set to 9 I believe that we will get 7 minor timeouts (at
which point we are at 60 secs.), this will generate a major timeout. We will get a mount failure
when we have hit 3 major timeouts.