
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  authrefsh
```

```
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  authrefsh
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.