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Mount NFS file system over a slow and busy network

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Q. Traffic between my home and office data center encrypted using VPN but sometime my ISP get little slow or network becomes busy. My computer freezouts for few minutes.

So my question is - what optimization options should be used when mounting an exported NFS share over a slow and busy network? I'm using Fedora Core Linux desktop system.

A. Generally you will see Server not responding message or computer just freezouts. You can pass following option while mounting remote shared/exported NFS server:

[1]

1. **soft**: This option allows the kernel to time out if the nfs server is not responding for some time. The time can be specified with timeo=time. This option might be useful if your nfs server sometimes doesn't respond or will be rebooted while some process tries to get a file from the server.
2. **timeo N**: This timeout value is expressed in tenths of a second
3. **retrans** : The number of timeouts allowed before the client gives up and displays the Server not responding message. The mount fails soon after.
4. **proto tcp/udp**: The protocol (Either TCP or UDP) used when attempting to mount the server.

For example:

```
# mount -t nfs -o soft,timeo=900,retrans=3,vers=3, proto=tcp remotenfsserver:/home/data
/mnt/nfs-mnt-point
```

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