# Fix rpcclient for SMB1

This guide is to fix an issue with Kali 2020 where rpcclient fails for SMB1

**Failure:**
```
kali@kali:~% rpcclient -U "" 192.168.1.124
Cannot connect to server.  Error was NT_STATUS_CONNECTION_DISCONNECTED
```

**Expected:** To see a prompt from rpcclient

```
rpcclient $>
```

ref: https://pramos.medium.com/fix-older-smb-kali-2020-4ee643ff29be

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💡 The cause is not samba (smb.conf) not having a fallback protocol

## Fix smb.conf

https://s3-us-west-2.amazonaws.com/secure.notion-static.com/b991946e
-b88a-4d5b-a17e-ac3a76a841c0/smb.patch

1. make a copy of smb.conf
   ```
   sudo cp /etc/samba/smb.conf /etc/samba/smb.conf.bakup
   ```

2. open smb.conf file
   ```
   sudo nano /etc/samba/smb.conf
   ```

3. Goto line 30
   or anywhere below the `[global]`
   should look like this:

```
[global]
## Browsing/Identification ###
# Change this to the workgroup/NT-domain name your Samba server will
part of

workgroup = WORKGROUP
 ### Networking ####
```

4. add `client min protocol = NT1`
   so it looks like this:

```
 [global]
## Browsing/Identification ###
# Change this to the workgroup/NT-domain name your Samba server will
part of
workgroup = WORKGROUP
client min protocol = NT1
#### Networking ####
```

5. Hit Ctrl-X and save.


Now run the command: `rpcclient -U "" -N 192.168.1.124`

```
kali@kali:~% sudo rpcclient -U "" -N 192.168.1.124
rpcclient $> querydominfo
Domain: WORKGROUP
Server: METASPLOITABLE
Comment: metasploitable server (Samba 3.0.20-Debian)
Total Users: 35
Total Groups: 0
Total Aliases: 0
Sequence No: 1614590370
Force Logoff: -1
Domain Server State: 0×1
Server Role: ROLE_DOMAIN_PDC
```

Unknown 3: 0×1
rpcclient $>