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r/linuxquestions • 5 yr. ago

Fellannah



CIFS mount failing! Why??

I am unable to get my network share auto-mounted at boot up and it is quite frustrating because this used to work perfectly. I am on the latest version of Debian with `cifs-utils` installed already.

`/etc/fstab :`

```
//192.168.1.20/share /mnt/share cifs credentials=/root/.smbcredentials_share,uid=1000,gid=1000
```

`/root/.smbcredentials_share :`

```
# my credentials
username=foo
```

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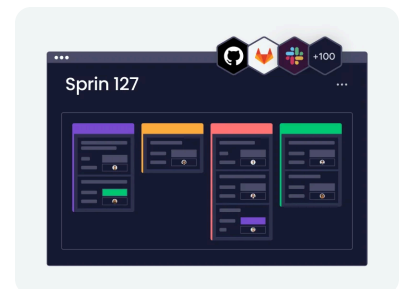
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aioeu • 5y ago • Edited 5y ago



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So let's look that up:

```
$ perl -E 'say $! = 101'
Network is unreachable
```

There's your problem.

If you are using systemd, this mount should be automatically ordered after the network has been brought up, since systemd will recognise `cifs` as a network filesystem. If you are not using systemd, you'll need to find out what is necessary to do this. A reasonably common standard for non-systemd systems is to use `_netdev` in the mount options.

⊖ ↑ 3 ↓ ...



Fellanah OP • 5y ago • Edited 5y ago

Cheers for the prompt response. The definition of the error code definitely narrowed down the problem.

The recent versions of Debian use systemd by default and as you said, should recognize that the cifs share must be mounted after network as been initialized. I did add `_netdev` to the mount options as you mentioned and it still results in the same error code. Is there anything else I can provide information on?

EDIT: I fixed the problem by substituting `_netdev` with `x-systemd.automount`. It seems this is what should be used from Ubuntu 18.04 onwards if that's worth anything. Thanks for your help!

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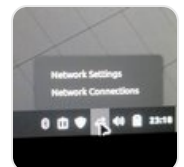
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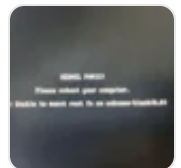
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