

[Subscriptions](#) [Downloads](#) [Containers](#) [Support Cases](#)

🔒 Support Cases, User Management, and Account Management will be inaccessible February 5th, 2022 1:00-1:05am EST during planned maintenance. To create support cases during this window, use techsupport@redhat.com.

[Products & Services](#) [Knowledgebase](#) [Unable to mount nfs share getting error "mount.nfs Protocol not supported"](#)

Unable to mount nfs share getting error "mount.nfs Protocol not supported"

🔒 SOLUTION VERIFIED - Updated September 16 2020 at 3:48 PM - English ▾

Environment

- Red Hat Enterprise Linux 7

Issue

- Unable to mount nfs share getting error "mount.nfs Protocol not supported"

```
# mount -t nfs x.x.x.x:/example /mnt -o vers=4.0 -vvvv mount.nfs: timeout set for Tue May 12 08:20:26 2020 mount.nfs:
Protocol not supported Or # mount -t nfs4 x.x.x.x:/example /mnt -vvvv mount.nfs4: timeout set for Tue May 12 08:20:48
2020 mount.nfs4: Protocol not supported
```

Resolution

- Comment the below line from `/etc/nfsmount.conf` and try to mount the nfs-share.

```
$ grep -w mountvers /etc/nfsmount.conf -B 1 # Server Mountd Version # mountvers=4
```

Root Cause

- The `mountvers` option is only applicable for `nfsv3` and is not supported for `nfsv4`. Whenever `mount` command is called explicitly with `mount.nfs4` or `vers=4.0,4.1` or `4.2` it will fail.
- From source code:

```
# less utils/mount/stropts.c static int nfs_do_mount_v4(struct nfsmount_info *mi, struct sockaddr *sap, socklen_t
salen) : : if (po_contains(options, "mounthost") || po_contains(options, "mountaddr") || po_contains(options,
"mountvers") || <----- po_contains(options, "mountproto")) { /* * Since these mountd options are set assume
version 3 * is wanted so error out with EPROTONOSUPPORT so the * protocol negation starts with v3. */ errno =
EPROTONOSUPPORT; <----- goto out_fail; }
```

Diagnostic Steps

- Check `/etc/nfsmount.conf` if `mountvers` is set.

```
# grep -w mountvers /etc/nfsmount.conf -B 1 # Server Mountd Version mountvers=4
```

- Try to mount the nfs share with `LIBMOUNT` debugging enabled.

```
# LIBMOUNT_DEBUG=0xffff mount -t nfs 192.168.122.185:/example /mnt -o vers=4.0 | less : 19709: libmount: CXT:
[0x556249623030]: fixed options [rc=0]: vfs: 'rw' fs: 'vers=4.0,mountvers=4' user: '(null)', optstr:
'rw,vers=4.0,mountvers=4' <---- 19709: libmount: CXT: [0x556249623030]: preparing source path 19709: libmount: CXT:
[0x556249623030]: preparing target path 19709: libmount: CXT: [0x556249623030]: final target '/mnt' 19709: libmount:
CXT: [0x556249623030]: FS type: nfs [rc=0] mount.nfs: Protocol not supported <----
```

Product(s) Red Hat Enterprise Linux **Component** mount nfs-utils **Category** Troubleshoot **Tags** nfs4

This solution is part of Red Hat's fast-track publication program, providing a huge library of solutions that Red Hat engineers have created while supporting our customers. To give you the knowledge you need the instant it becomes available, these articles may be presented in a raw and unedited form.

People who viewed this solution also viewed

[Error "mount.nfs: requested NFS version or transport protocol is not supported" when attempting to mount an NFS share on Red Hat Enterprise Linux 6](#)

Solution - 19 Aug 2015

[When mount is triggered for an already mounted NFS v3 share, it displays "mount.nfs: Protocol not supported" instead of "Device or resource busy"](#)

Solution - 20 Jul 2021

[Pod is unable to mount the NFS volume with error "mount.nfs: Protocol family not supported" in OCP 4](#)

Solution - 18 Aug 2021

2 Comments



NEWBIE

7 Points

Nagababu Pala

5 February 2021 11:22 AM

try below command to mount while getting error..... mount.nfs: Protocol not supported
mount -t nfs -o vers=3 nfs-server:/share /mnt/nfs mount -t nfs -o vers=4 nfs-server:/share /mnt/nfs

↩ Reply



NEWBIE

5 Points

Mohamed Hendawi

31 October 2021 6:27 PM

Another hint: check the "Server Mountd Protocol" option

From my side, that resolved the mount issue I had

Details blow:

```
[root@clientserver ~]# grep -i mountproto /etc/nfsmount.conf mountproto=tcp [root@clientserver ~]# mount -vvv -t nfs -o
vers=4 nfsserver:/export /mnt/mnt1 mount.nfs: timeout set for Sun Oct 31 19:22:49 2021 mount.nfs: Protocol not supported
[root@clientserver ~]# vim /etc/nfsmount.conf [root@clientserver ~]# grep -i mountproto /etc/nfsmount.conf
#mountproto=tcp [root@clientserver ~]# mount -vvv -t nfs -o vers=4 nfsserver:/export /mnt/mnt1 mount.nfs: timeout set for
Sun Oct 31 19:23:19 2021 mount.nfs: trying text-based options 'vers=4.1,addr=nfsserver,clientaddr=10.xxx.xxx.xxx'
```

Hope this helps

↩ Reply