


-  Astra Linux Special Edition Samba SMB/CIFS.
Astra Linux Special Edition () NFS .

- nfs-kernel-server, (Astra Linux)
- (Astra Linux)

 `RPCMOUNTDOPTS="-V 2 --manage-gids"`
`RPCNFSDOPTS="-V 2"`

- ```
nfs-kernel-server . nfs nfs-common (. synaptic), .
```

⋮

$$\vdots$$

```

, " NFS ",
, . Autofs .

```

NFS, :

- IP-;
- , IP-;
- (), .: /srv/nfsshare :

```
sudo mkdir /srv/nfsshare
sudo chmod 777 /srv/nfsshare
```

Astra Linux, x.7, nfs-kernel-server UNIT- /etc/systemd/system/multi-user.target.wants/nfs-server.service unit:

```
[Unit]
Requires=rpcbind.service
After=rpcbind.service
```

nfs-server rpcbind. :

```
sudo systemctl daemon-reload
sudo systemctl restart nfs-kernel-server
```

Astra Linux Special Edition x.7 .

nfs /etc/exports. :


- /etc/fstab- , nfs, .
- /etc/hosts.allow, /etc/hosts.deny-, , , IP-

() /srv/nfsshare /etc/exports .:


- :

 /srv/nfsshare <IP->(rw,nohide,all\_squash,anonuid=1000,anongid=1000,no\_subtree\_check)

- :

 /srv/nfsshare </>(rw,nohide,all\_squash,anonuid=1000,anongid=1000,no\_subtree\_check)

- :

 /srv/nfsshare <\*>(rw,nohide,all\_squash,anonuid=1000,anongid=1000,no\_subtree\_check)

:

- :
  - <IP-> — IP- - ( );
  - </> — ;
  - <\*> — "\*, .. "" ( . man exports);
- (rw,no\_root\_squash,sync) — :

- `rw` — ( `ro` — );
- `no_root_squash` — NFS root nfsnobody. , , root, nfsnobody, setuid. `no_root_squash` , , .
- `nohide` — NFS (, `mount -bind`), ;
- `sync` — ( `-async` ). `sync` , , .
- `async` , , , .. .
- `noaccess` — . , , .
- `all_squash` — , ;
- `subtree_check` (`no_subtree_check`)- , . NFS , , , . (subtree checks) , , .
- `no_subtree_check`. `subtree_check` , , .
- `anonuid=1000` — « » ;
- `anongid=1000` — « » .

• , , ,

```
sudo exportfs -ra
```

( . `man exportfs` )

- NFS 4 (NFSv4).

! NFSv2 NFSv3 , .

- NFS , `/etc/exports`.  
, `/etc/exports` `/tmp/nfs/` / `master.astralinux.ru`:

i `/tmp/nfs/ master.astralinux.ru(rw)`

`/etc/exports`, , `master.astralinux.ru` , ,  
:

! `/tmp/nfs/ master.astralinux.ru (rw)`

,

- ! NFS `showmount`:

```
sudo showmount -e <hostname>
```

- `no_root_squash` , , . , NFS root nfsnobody. , , root, nfsnobody, setuid.

`nfs-common`, - . . , :

```
sudo showmount -e 192.168.1.10
```

```
Export list for 192.168.1.10:
/srv/nfsshare 192.168.1.20
```

:

1. , , /mnt/share:

```
sudo mkdir /mnt/share
```

2. mount /nfsshare NFS (192.168.1.10) /mnt/share :

```
sudo mount 192.168.1.10:/srv/nfsshare /mnt/share
```

3. :

```
mount | grep nfs
```

```
() (). , :
```

```
df
```

NFS , /etc/fstab

```
<IP-_->:/srv/nfsshare/ /mnt/share nfs rw, sync, hard, intr 0 0
```

NFS [autofs](#).

NFS Samba . , , " " kate, rpcbind Astra Linux Special Edition. rpcbind:

```
sudo systemctl mask --now rpcbind
```

Astra Linux Samba SMB/CIFS.