NFS

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- Astra Linux Special Edition .10015-01 .10015-10 (1.7)
- Astra Linux Special Edition .10015-37 (7.7)
- Astra Linux Special Edition .10152-02 (4.7)
- Astra Linux Special Edition .10015-01 (1.6)
- Astra Linux Special Edition .10015-16 . 1 . 2
- Astra Linux Special Edition .10265-01 (8.1)
- Astra Linux Common Edition 2.12

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

NFS (Network File System,) - , *nix / Linux. NFS . :

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

Astra Linux Special Edition , NFS v2, "-V 2" /etc/default/nfs-kernel-server (,):

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

- NFS IP- 192.168.1.10;
- NFS IP- 192.168.1.20.

nfs-kernel-server () nfs-common () Astra Linux Special Edition, Astra Linux Common Edition. NFS Astra Linux.

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

NFS rpcbind. rpcbind . Samba SMB/CIFS.

:

```
sudo apt update
sudo apt install nfs-kernel-server
```

:

```
sudo apt update
sudo apt install nfs-common
```

, " 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:

  /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.