

NFS Server

Servidor:

```
nfs-server:
  image: itsthenetwork/nfs-server-alpine:latest-arm
  container_name: nfs-server
  privileged: true # Necesario para NFS
  restart: unless-stopped
  # network_mode: "host" # Exponer directamente el puerto 2049
  ports:
    - "2049:2049/tcp" # Puerto NFS
    - "2049:2049/udp" # Puerto NFS
  environment:
    TZ: America/Mexico_City
    SHARED_DIRECTORY: /nfsshare # Directorio que se comparte por NFS
    # READ_ONLY: "true" # Opcional: solo lectura
    # SYNC: "true" # Opcional: modo síncrono
    # PERMITTED: "192.168.1.*" # Opcional: restringir IPs
  volumes:
    - /mnt/nas/backups/jellyfin:/nfsshare # Carpeta a compartir
    # - ./config/nfs/exports:/etc/exports:ro # Permisos avanzados
```

Cliente:

1. Install NFS Client Packages:

First, install the necessary NFS client packages on your Debian machine:

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

2. Create a Local Mount Point:

Create a directory on your Debian machine where you want to mount the NFS share. This will be the local access point for the remote files.

```
sudo mkdir /mnt/nfs
```

3. Mount the NFS Share:

Now, you can mount the NFS share from the server to your local mount point. You'll need the IP address or hostname of the NFS server and the path to the shared directory on the server.

```
sudo mount -t nfs <NFS_SERVER_IP_OR_HOSTNAME>:/path/to/shared/directory /mnt/nfs
```

```
mount -t nfs 192.168.31.100:/ /mnt/nfs
```

4. Verify the Mount:

You can verify that the NFS share has been successfully mounted using the `df -h` command:

```
df -h
```

This command will display a list of mounted filesystems, including your newly mounted NFS share.

5. Mount NFS at Boot (Optional):

To automatically mount the NFS share every time your Debian machine boots, you can add an entry to the `/etc/fstab` file.

Open `/etc/fstab` with a text editor (e.g., `nano` or `vim`):

```
sudo nano /etc/fstab
```

Add a line similar to the following, replacing the placeholders with your specific details:

```
<NFS_SERVER_IP_OR_HOSTNAME>:/path/to/shared/directory /mnt/nfs_share nfs defaults  
  
192.168.31.100:/ /mnt/nfs nfs defaults,noatime,_netdev,x-systemd.automount  
0 0
```

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