Exercise 13.2: Create NFS share:

- Share the directory `/home/export/nfs/`.

- Allow every host on your local network to read the export.

- Allow a single host on your local network to have read/write access. Initially use the loopback for ease of testing.

Solution 13.2

1. Edit `/etc/exports` and add the following content:

   ```
   /home/export/nfs  127.0.0.1/32(rw) <NETWORK ADDRESS>/24(ro)
   ```

2. Start or restart the NFS service:

   - On **CentOS**:

     ```
     # systemctl restart rpcbind
     # systemctl restart nfs
     ```

   - On **OpenSUSE**:

     ```
     # systemctl restart rpcbind
     # systemctl restart nfsserver
     ```

   - On **Ubuntu**:

     ```
     # systemctl restart  nfs-kernel-server
     ```

3. Test the mount on two different systems.

   ```
   # mount 127.0.0.1:/home/export/nfs /home/share/nfs
   $ touch /home/share/nfs/foo
   ```

   If an additional systems is available on the network **NETWORK ADDRESS** mount the share on the other system. The **touch** command should only work on the host allowed read/write access, which is **127.0.0.1** in our test case.