The NFS share capture method allows you to copy data from your data source to the Transfer Appliance, by exporting directories on the Transfer Appliance via NFS.

Data copied onto the exported NFS share is encrypted and saved in a staging area on the Transfer Appliance.

You need to know the following information to export an NFS share:

- The URL for Transfer Appliance, which is presented when you connect the Transfer Appliance (/transfer-appliance/docs/2.0/connect-appliance).
- The capture user credentials, which are initially supplied to you by Google. You can change the capture password (/transfer-appliance/docs/2.0/resetting-password).

In addition, make sure that:

- You have prepared for data transfer (/transfer-appliance/docs/2.0/preparing-data-transfer).
- The appliance is unpacked and configured (/transfer-appliance/docs/2.0/preparing-to-unpack).

NOTE: The maximum usable capacity of Transfer Appliance when using NFS share capture method is:

- **TA100** — 74TB
- **TA480** — 400TB

  When using the TA480 and NFS share capture method, you must create a minimum of four shares that are each 100TB. You can create more shares, as long as the total size of all shares is 400TB or less. We recommend that you arrange your data in chunks to fit on the NFS shares for the sizes that you create. For example, if you create four 100TB shares, you'd arrange your data to fit within 100TB or smaller chunks.

To create NFS shares:

1. Open the Transfer Appliance Web User Interface.
2. Click **Menu** ☰.
3. Select **Export NFS Share**.

   The **NFS Share** window appears and displays any currently available NFS shares.
4. Click **Create Share** to create a new NFS share.
5. Enter the NFS share name.
6. For the NFS client name(s) or IP Address(es), enter the comma separated client names or IP addresses on which you wish to mount and access the NFS share.
7. If the share is to be accessible for all clients, click the **Accessible to all clients** checkbox.
8. Click **Create** to create the new NFS share on Transfer Appliance.
9. If you want to access the NFS share from additional NFS clients, click the **NFS Share** radio button and edit the client name or IP address.

★ **Note:** You can view, edit, delete, and process NFS shares in the **Job Status** window.

Repeat this procedure on each source server or workstation from which you need to copy data. Mounting is a manual procedure on each data source system.

Run the following command from the command prompt:

Processing an NFS share compresses and deduplicates the previously encrypted data stored on the NFS share staging area.

Once you start processing, you cannot copy data to the NFS share. When processing is complete, the NFS share is deleted from the Transfer Appliance.

To process NFS exports:

1. Open the Transfer Appliance Web User Interface.
2. Go to the **Job Status** window to monitor changes to the data size for NFS exports. The data is compressed as part of its processing.
3. Click **List** ☰.
4. Select **Process**.

   The **Process an NFS Share** window appears.
5. If you want to exclude symbolic links, click the **Exclude symlinks** checkbox.
6. Click **OK**.

You can delete an NFS share if you choose not to use it, or if you decide that you don't want to rehydrate the data.

If you decide to delete an NFS share after capturing data, the captured data remains on Transfer Appliance, reducing the available space for other data capture jobs.

To delete an NFS share:

1. Open the Transfer Appliance Web User Interface.
2. Go to the **Jobs Status** window.
3. Click **More** ⋮ next to the job you want to delete.
4. Click **Delete**.

When there is less than 500 GB free space remaining on the Transfer Appliance, copying new data to all NFS shares is suspended. You will see the notification on the Transfer Appliance Web User Interface. This suspension can interrupt files being copied, resulting in incomplete data capture.

To resume a suspended NFS share:

1. To free up space, process (#processing-nfs-share) one or more of the NFS shares that have completed data capture, then delete (#deleting-nfs-share) any process shares that you don't intend to use again. Continue until you have more than 500 GB free.
2. Navigate to the **Job Status** window.
3. Click **More** ⋮ next to the NFS share you want to resume.
4. Click **Make available**.
5. On the NFS client, remount the Transfer Appliance NFS share and delete any partially copied files:
    - For Linux, use the `rm` command.
    - For Microsoft Windows, right-click the file name and select **Delete**.
6. In the Transfer Appliance Web User Interface, restart the copy job to complete the data capture.

If you have data on HDFS you'd like to capture, see Performing an HDFS Capture (/transfer-appliance/docs/2.0/capturing-data-hdfs-nfs-share).

To monitor data capture jobs, see Monitoring Data Capture Jobs (/transfer-appliance/docs/2.0/monitoring-capture-jobs).

If you are done capturing data, see Shipping Transfer Appliance (/transfer-appliance/docs/2.0/shipping-appliance).