To increase data transfer throughput to Transfer Appliance, consider using link aggregation, or network bonding. This lets you use multiple network connections in parallel to increase throughput. Link aggregation also provides redundancy if one of the network interfaces fails.

This section refers to the Transfer Appliance Console User Interface (CUI), which comprises the keyboard and monitor attached to the appliance.

For number of ports and port speed information, see Specifications (/transfer-appliance/docs/2.0/specifications).

We recommend configuring link aggregation on Transfer Appliance immediately after you power on the appliance for the first time. This reduces the number of times you must perform network connectivity tests. If you already started Transfer Appliance, see Setting up link aggregation after powering on (#link-aggregation-after-powering-on-transfer-appliance).

1. Connect multiple network cables with the same speed and type, for example 1 GbE or 10 GbE (copper or fiber), to Transfer Appliance.

   Link aggregation does not work with mixed types of connections. For example, Transfer Appliance can't aggregate a combination of 1GbE and 10GbE connections. Transfer Appliance defaults to the fastest available connection whether aggregated or not. For example, if you try to aggregate four 1GbE connections and there is a single 10GbE link connected, Transfer Appliance defaults to the 10GbE connection because it provides the fastest throughput speeds.

2. Power on Transfer Appliance.

   After Transfer Appliance initializes, the software automatically creates the link aggregation, obtains an IP address using DHCP, and assigns it to the aggregated network.

   ★ **Note:** This IP address *should remain the same throughout the data capture.* See Determining IP address configuration method (#determine-dhcp-bindings).

3. From the Transfer Appliance Console User Interface, confirm:

- The NICs used to create an aggregated link.
- The network speed of the aggregated link.
- For both DHCP and static IP addresses, the same IP addresses are used by all four NICs.

You can enable link aggregation after powering up Transfer Appliance, or change existing link aggregations by adding network cables to or removing network cables from the appliance.

After Transfer Appliance initializes, the software automatically creates the link aggregation, obtains an IP address using DHCP, and assigns it to the aggregated network. If you're configuring Transfer Appliance for static IP address and link aggregation, set the same IP address for all of the ports connected to the switch. If you add or remove network cables from the appliance, follow the instructions in this section.

n: Only perform this procedure when no capture jobs are in progress. Changing the network setup causes the applia
ll active network connections, which will cause ongoing capture jobs to fail. If you make changes to the network whil
ning, those jobs will terminate and result in failures.

1. From the Transfer Appliance Console User Interface, select **Configure Network**.
2. Press **Enter**. The user interface displays configuration options.
3. Add or remove network cables attached to Transfer Appliance.
4. To redetect connected network cables, select **Redetect Network Connectivity**.
5. Press **Enter**. The user interface displays all network cables connected, as well as their speeds.
6. Select **OK**.
7. Press **Enter**.

   Now you are ready to set up a static IP or dynamic host configuration protocol (DHCP) IP address.

For more information, see Setting up the IP Address (/transfer-appliance/docs/2.0/setting-ip-address).

To start your transfer, choose the method you identified earlier:

- Microsoft Windows workstation transfer (/transfer-appliance/docs/2.0/capturing-data-windows)
- Linux workstation transfer (/transfer-appliance/docs/2.0/capturing-data-linux)
- Export an NFS Share (/transfer-appliance/docs/2.0/exporting-nfs-share)
- Capturing data from HDFS (/transfer-appliance/docs/2.0/capturing-data-hdfs-nfs-share)

To change, view, or test Transfer Appliance configurations, see:

- Testing network connectivity (/transfer-appliance/docs/2.0/testing-network-connectivity)
- Displaying network configuration settings (/transfer-appliance/docs/2.0/displaying-network-configuration)
- Displaying Appliance status (/transfer-appliance/docs/2.0/displaying-appliance-information)
- Resetting the capture user password (/transfer-appliance/docs/2.0/resetting-password)
- Resetting Transfer Appliance (/transfer-appliance/docs/2.0/resetting-appliance)