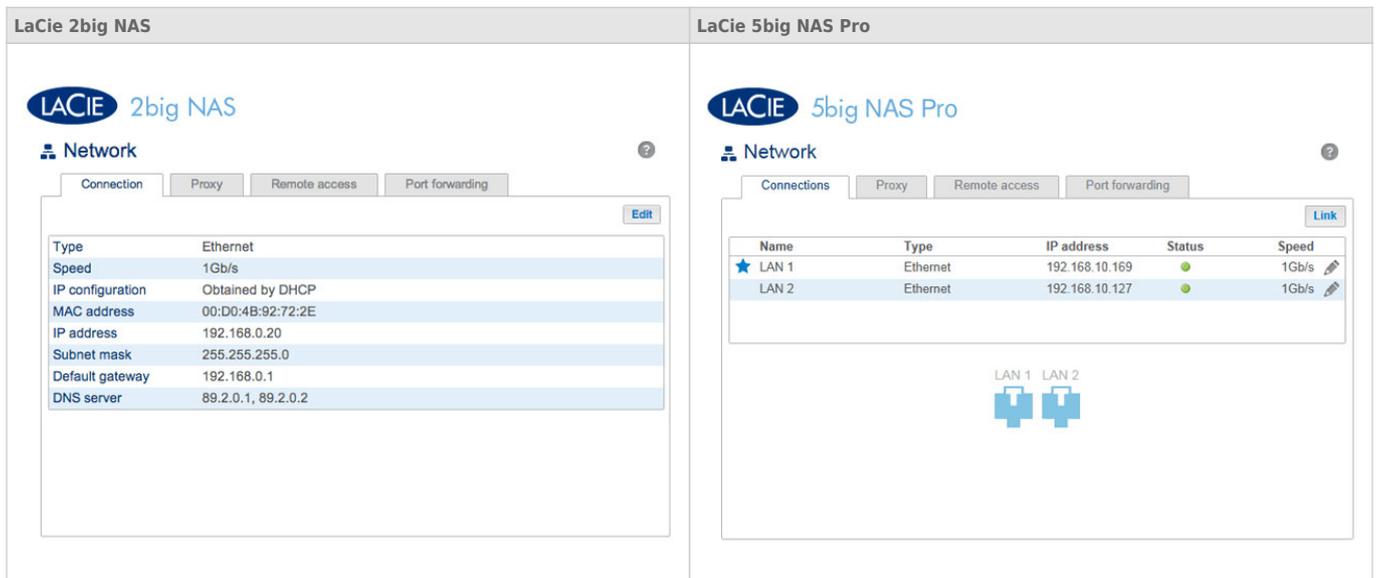


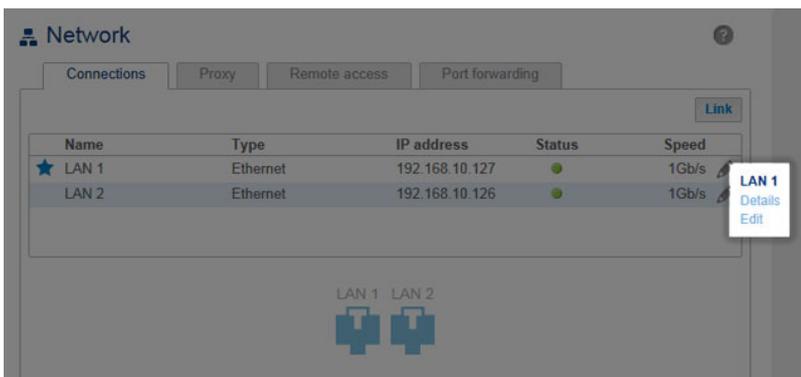
NETWORK



CONNECTION TAB

If your network is DHCP-enabled, your LaCie NAS will automatically be assigned an IP address and other values. The LaCie 2big NAS has a single LAN port while the LaCie 5big NAS Pro includes two LAN ports (see below). If you wish to review or modify the values of a LAN port:

- LaCie 2big NAS: Choose the **Edit** button.
- LaCie 5big NAS Pro: Select the configuration icon (pencil) then choose **Details** or **Edit**.



LAN 1 - Details



Name	LAN 1
Status	Connected
Type	Ethernet
Speed	1Gb/s
IP Configuration	Obtained by DHCP
MAC address	7E:3D:7E:3B:07:D4
IP Address	192.168.10.62
Subnet Mask	255.255.255.0
Default Gateway	192.168.10.2
DNS Server	192.168.10.1

LAN Details - 5big NAS Pro

Selecting **Edit** allows you to modify certain network parameters. You can manually adjust network values by choosing **Manual configuration** and give the LAN port a unique name (LaCie 5big NAS Pro only). Make certain to check the box next to **Default gateway** to enter or revise a gateway address. For the manual address to take effect, all fields (including Default Gateway and DNS Server) must be completed before selecting **Apply**. The LAN port will revert to automatic if a field is left blank.

LAN 1 - Edit



IP Configuration

Automatic network configuration (DHCP)

Manual configuration

IP Address: 192 . 168 . 10 . 135

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 192 . 168 . 10 . 254

DNS Server: 192.168.10.10 +
192.168.10.12 -
192.168.27.43

Cancel Apply

LaCie 2big NAS

LAN 1 - Edit



Name: LAN 1

IP Configuration

Automatic network configuration (DHCP)

Manual configuration

IP Address: 192 . 168 . 10 . 163

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 192 . 168 . 10 . 254

DNS Server: 192.168.10.10 +
192.168.10.12 -
192.168.27.43

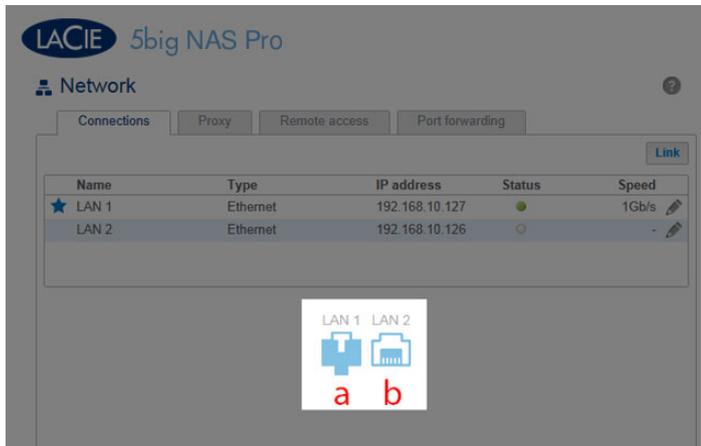
Cancel Apply

LaCie 5big NAS Pro

Important info on network addressing: Changes to the IP address must be consistent with the values of the router and/or network. You can lose contact with your LaCie NAS by typing addresses that are not available on your network.

LaCie 2big NAS users: Skip to [Proxy Tab](#).

LaCie 5big NAS Pro Ethernet ports



Icons representing the two LAN ports on the *Connections* tab indicate connection to the network:

- Connected: **a**
- Not connected: **b**

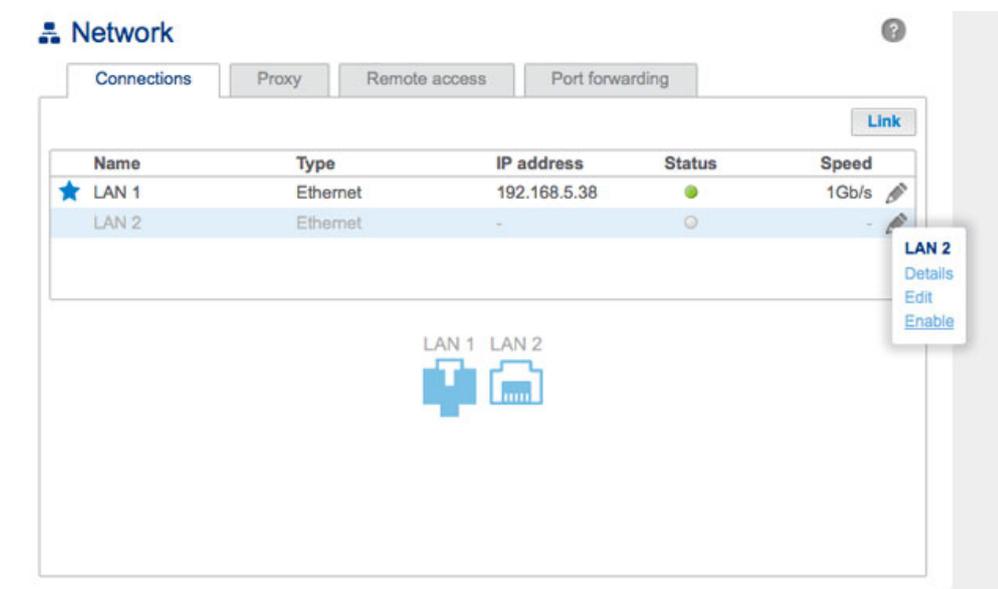
Port aggregation: multiple networks, load balancing, and fault tolerance

The LaCie 5big NAS Pro is equipped with two LAN ports for enhanced network performance. Review the instructions below to learn how to configure the LaCie 5big NAS Pro LAN ports for your network.

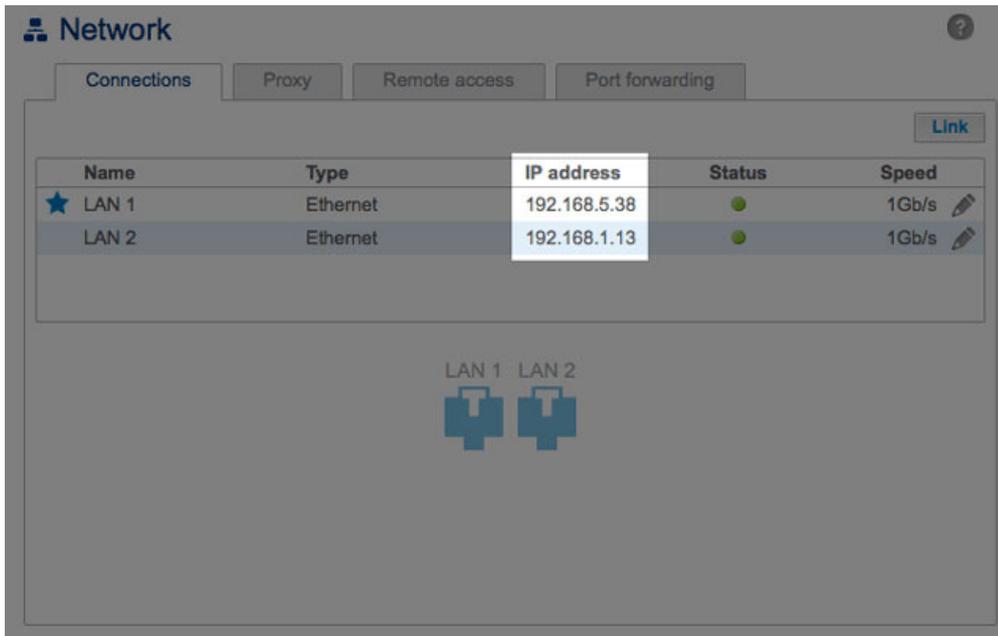
Two networks: Bridge the data on your LaCie 5big NAS Pro

The LaCie 5big NAS Pro can be shared by two separate networks.

1. Connect LAN 1 to the first network switch and LAN 2 to the second network switch.
2. Go to **Dashboard > Network** and choose the **Connections** tab.
3. If one or both LANs are not active, select the configuration icon to choose **Enable**.



4. Once the LAN is enabled, it can receive a DHCP address from the router. Each LAN should have separate addresses to reflect connection to two separate networks. In the screenshot below, the subnets of the IP addresses (5 for LAN 1 and 1 for LAN 2) demonstrate that each LAN is connected to its own network.



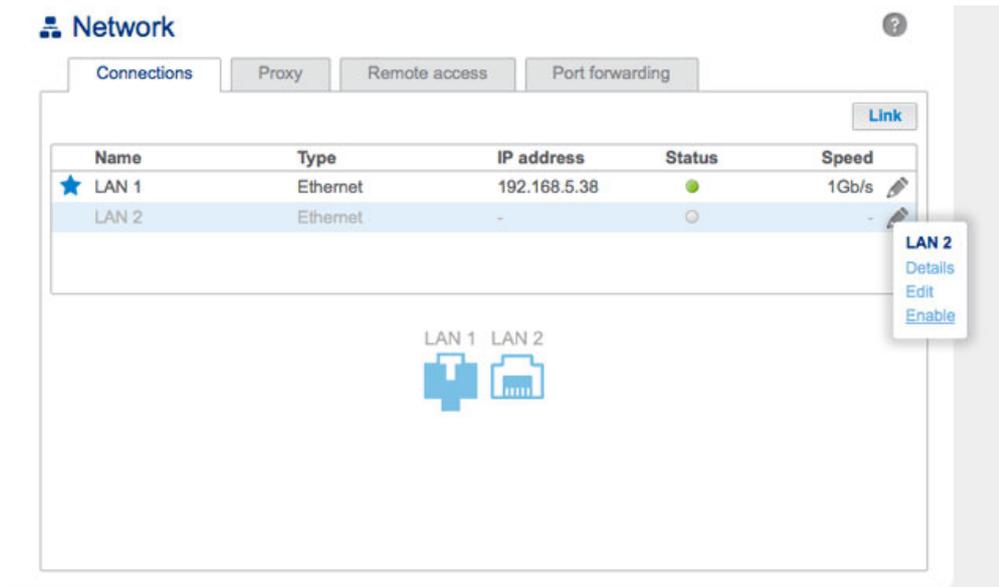
IP Addressing: You can manually configure the IP addresses for the LAN connections by selecting their respective configuration icons (pencil) and choosing **Edit**.

Load balancing: enhanced speed

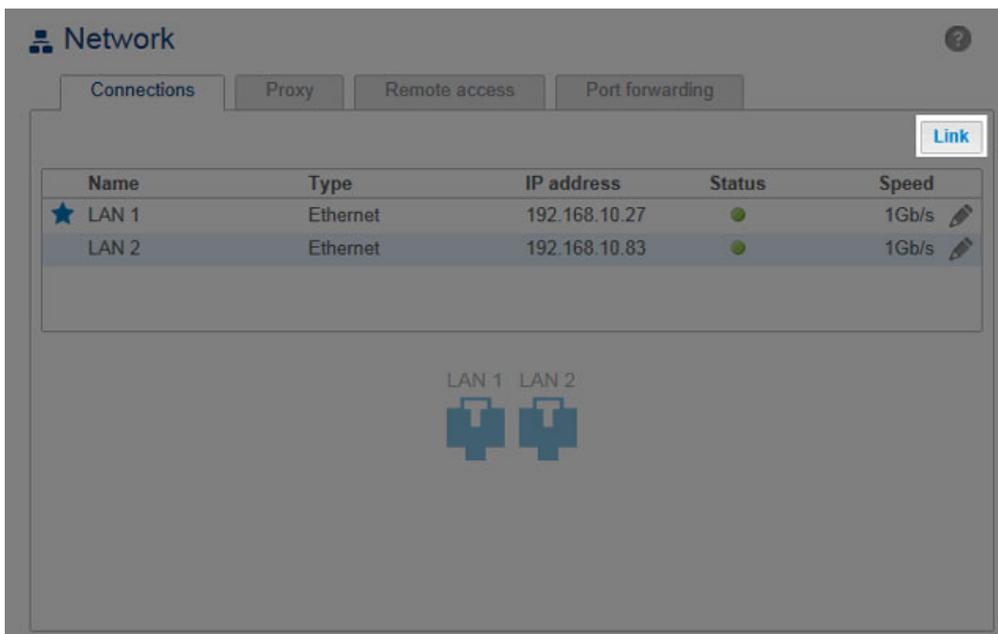
Configure both Ethernet ports to act together for speeds up to 1.5 times faster than a single LAN connection. Additionally, you receive added security should one of the Ethernet cables or ports fail.

Before following the directions below, make certain that your switch or router supports link aggregation:

1. Connect LAN 1 and LAN 2 to the same switch or router.
2. Go to **Dashboard > Network** and choose the **Connections** tab.
3. If one LAN is listed as inactive:
 - Confirm that it is securely connected to the device and to your router.
 - Select its configuration icon (pencil) to choose **Enable**.



4. With both LANs enabled, choose **Link**.



5. Select **Load balancing** then choose **Next**.

Link aggregation setup



1. Select mode

2. Select interfaces

3. Configure interface

Use Link Aggregation to configure your Ethernet connections for load balancing or fault tolerance.

Select mode:

Load balancing

A bond that shares the same speed and duplex settings across the linked connections. Uses the 802.3ad specification. Important: LAN cables must be connected to the same switch.

Fault tolerance

Active-backup policy: Only one connection in the bond is active. The backup connection becomes active when the active interface fails.

Cancel

Next

6. Check the boxes next to each LAN port then choose **Next**.

Link aggregation setup



1. Select mode

2. Select interfaces

3. Configure interface

Select the connections to create a link aggregation:



LAN 1

IP address: 192.168.10.27 - Speed: 1Gb/s



LAN 2

IP address: 192.168.10.83 - Speed: 1Gb/s

LAN 1 LAN 2



Cancel

Back

Next

7. You can name the LAN bonding as well as select how the paired Ethernet ports will receive a unified IP address (DHCP or Manual configuration). If you select *Manual configuration*, the IP address must be consistent with the values of your network. Choose **Finish** to complete the bonding.

Link aggregation setup



1. Select mode

2. Select interfaces

3. Configure interface

Name

IP configuration

Automatic network configuration (DHCP)

Manual

IP address . . .

Subnet mask . . .

Default gateway . . .

DNS server +
 -

DHCP IP addressing

Link aggregation setup



1. Select mode

2. Select interfaces

3. Configure interface

Name

IP configuration

Automatic network configuration (DHCP)

Manual

IP address . . .

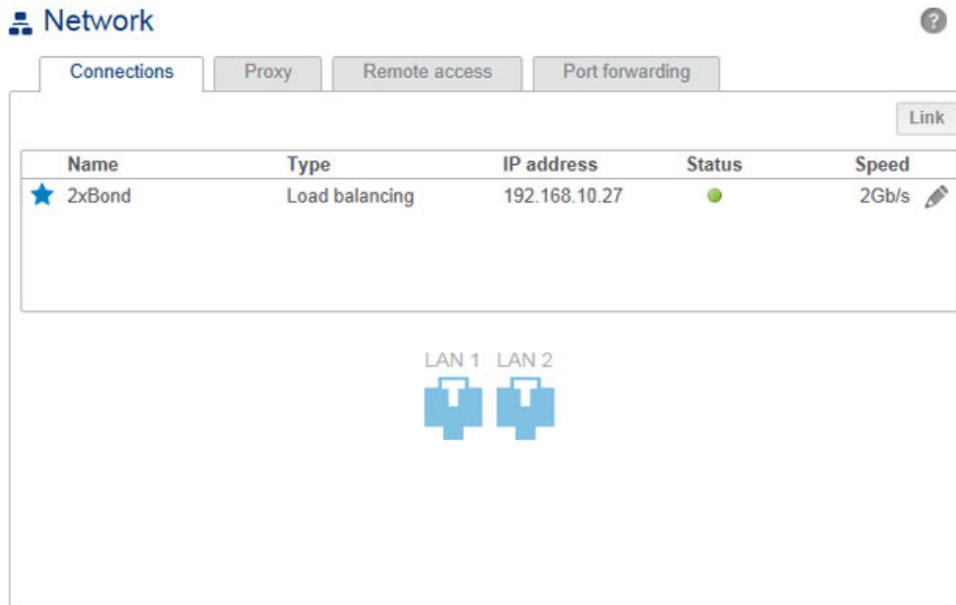
Subnet mask . . .

Default gateway . . .

DNS server +
 -

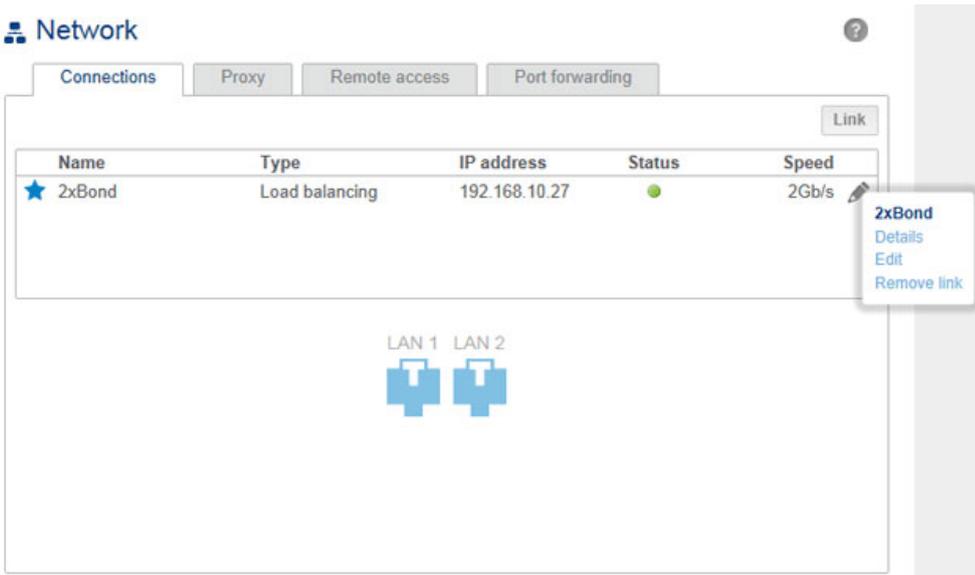
Manual/Static IP addressing

8. The two LAN ports are now listed as one.



Break the LAN bond: If you no longer wish to link the two Ethernet ports, follow the steps below.

1. Choose on the configuration icon (pencil) to select **Remove link**.

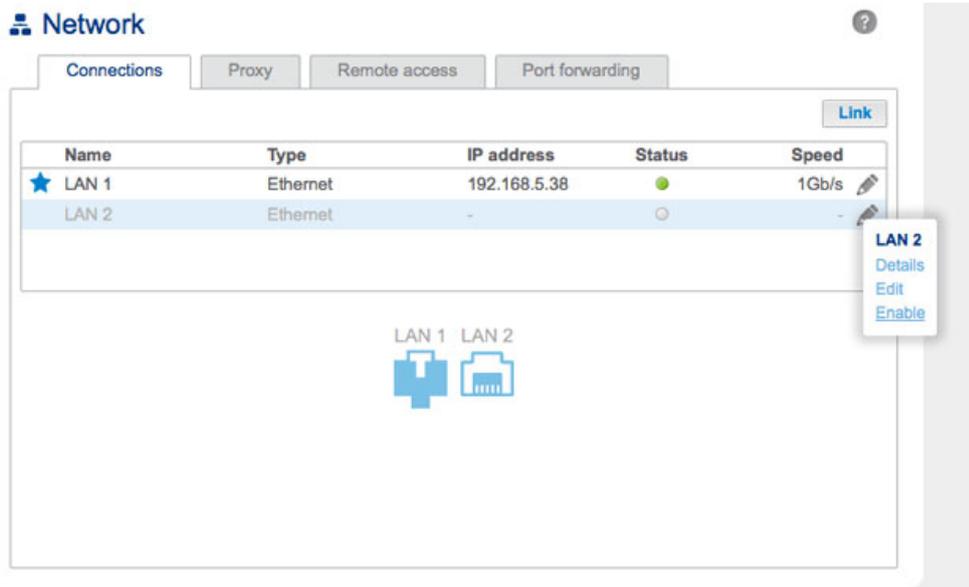


2. Choose **Continue** at the prompt.
3. Removing the link may disable the secondary LAN interface. To reconnect the interface to the network, select the configuration icon for the secondary LAN to choose **Enable**.

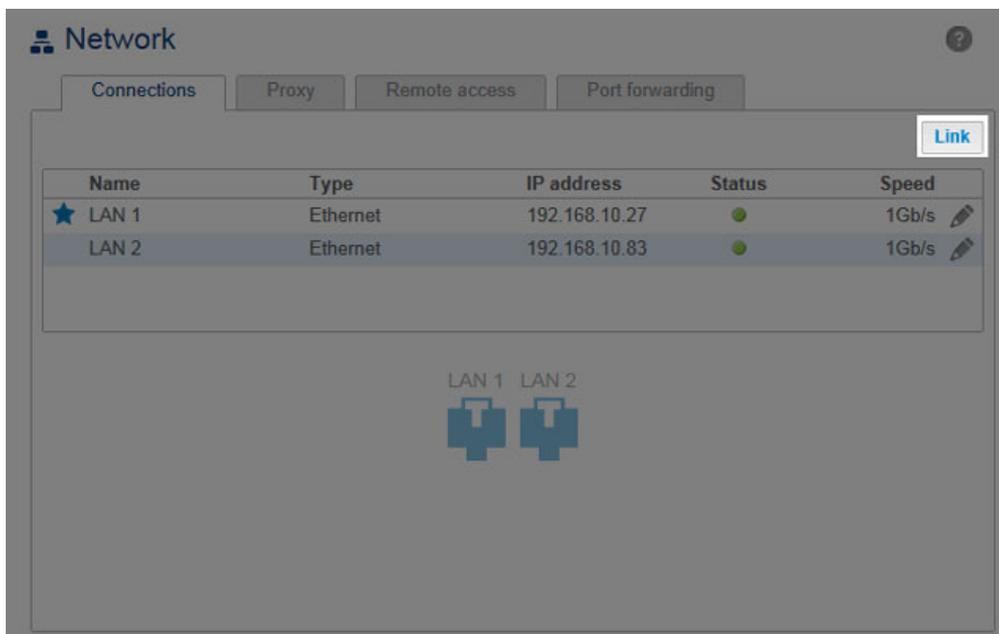
Fault tolerance: failover protection

Configure fault tolerance to keep your LaCie 5big NAS Pro connected to the network even if one Ethernet port or cable fails. Before following the directions below, make certain that your network switch or router supports link aggregation.

1. Connect LAN 1 and LAN 2 to the same network switch or router.
2. Go to **Dashboard > Network** and choose the **Connections** tab.
3. If one LAN is not active, select its configuration icon (pencil) to choose **Enable**.



4. With both LANs enabled, choose **Link**.



5. Select **Fault tolerance** then choose **Next**.

Link aggregation setup



1. Select mode

2. Select interfaces

3. Configure interface

Use Link Aggregation to configure your Ethernet connections for load balancing or fault tolerance.

Select mode:

- Load balancing**
A bond that shares the same speed and duplex settings across the linked connections. Uses the 802.3ad specification.
Important: LAN cables must be connected to the same switch.
- Fault tolerance**
Active-backup policy: Only one connection in the bond is active. The backup connection becomes active when the active interface fails.

Cancel

Next

6. Check the boxes next to each LAN port then choose **Next**.

Link aggregation setup



1. Select mode

2. Select interfaces

3. Configure interface

Select the connections to create a link aggregation:

- LAN 1**
IP address: 192.168.5.38 - Speed: 1Gb/s
- LAN 2**
IP address: 192.168.5.39 - Speed: 1Gb/s



Cancel

Back

Next

7. Fault tolerance will switch to the secondary LAN if it cannot detect the primary LAN (see [LAN Priority: Primary LAN Interface](#)). Choose the fault detection for the bond, physical (e.g. a bad Ethernet cable) or logical (e.g. contact with another IP address). For logical fault tolerance, enter the IP address that the LaCie 5big NAS Pro will ping to confirm the stability of the primary LAN and the frequency. The IP address should be for a separate server, a computer on the network, or another device that can manage the task. Choose **Next**.

Link aggregation setup



1. Select mode

2. Select interfaces

3. Configure interface

Physical detection

Logical detection

Test the IP address . . .

Every (in seconds)

Cancel

Back

Next

8. You can name the fault tolerance configuration as well as select how the Ethernet ports will receive a unified IP address (DHCP or Manual configuration). If you select *Manual configuration*, the IP address must be consistent with the values of your network. Choose **Finish** to complete the bonding.

Link aggregation setup



1. Select mode

2. Select interfaces

3. Configure interface

Name

IP configuration

Automatic network configuration (DHCP)

Manual

IP address . . .

Subnet mask . . .

Default gateway . . .

DNS server +
 -

Cancel

Back

Finish

9. The two LAN ports are now listed as one.

Network

Connections Proxy Remote access Port forwarding

Link

Name	Type	IP address	Status	Speed
★ Bond_Protection	Fault tolerance	192.168.5.38	●	1Gb/s

LAN 1 LAN 2

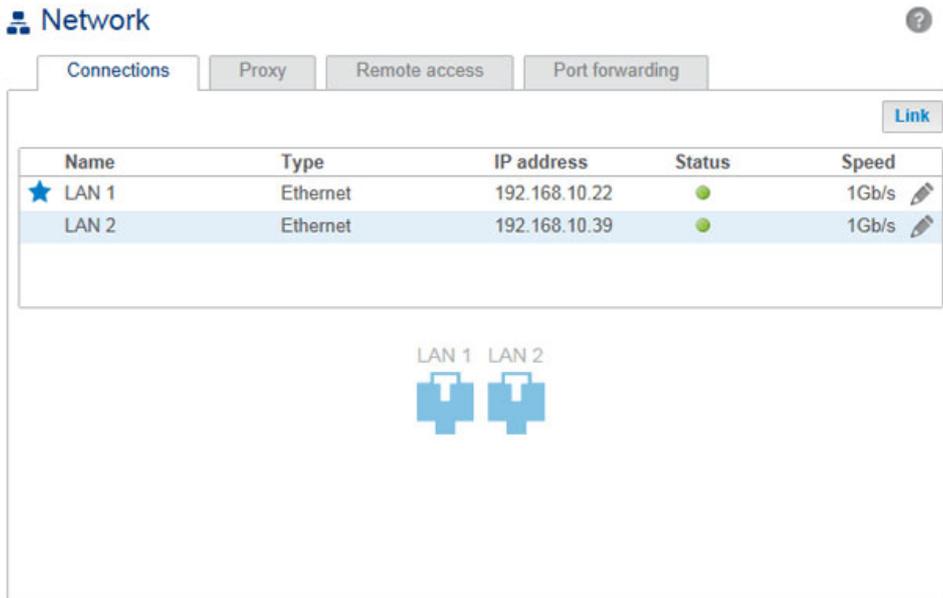
Break the Fault Tolerance: If you no longer wish to keep Fault Tolerance, follow the steps below.

1. Select the configuration icon (pencil) to choose **Remove link**.
2. Choose **Continue** at the prompt.
3. Removing the link may disable the secondary LAN interface. To reconnect the interface to the network, select the configuration icon for the secondary LAN to choose **Enable**.

Note on failover for bonding versus fault tolerance: Both bonding and fault tolerance can save you from losing productivity in the event that a single LAN fails (e.g. port, router port, cable, etc.). While the bonded ports can adapt to the loss of one Ethernet signal, it can take a few minutes for the NAS to switch to single LAN mode. Fault tolerance will make the switch instantly, allowing for uninterrupted communication with the NAS.

LAN priority: primary LAN interface

The primary Ethernet port is marked by a star next to the LAN number. In the example below, LAN 1 is the primary Ethernet port.



The screenshot shows the 'Network' configuration window with the 'Connections' tab selected. Below the tabs are 'Proxy', 'Remote access', and 'Port forwarding'. A 'Link' button is in the top right. The table below has the following data:

Name	Type	IP address	Status	Speed
★ LAN 1	Ethernet	192.168.10.22	●	1Gb/s
LAN 2	Ethernet	192.168.10.39	●	1Gb/s

Below the table is a diagram showing two Ethernet ports labeled 'LAN 1' and 'LAN 2'.

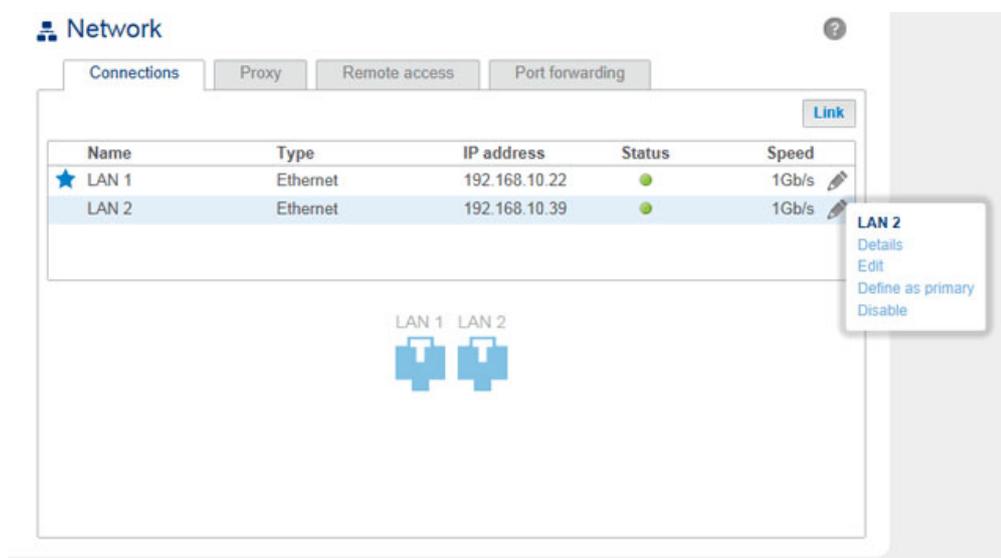
The primary Ethernet port:

- Carries the data when the LaCie 5big NAS Pro is configured in Fault Tolerance
- Acts as the gateway to the internet when the LaCie 5big NAS Pro is connected to two separate networks

LAN interface and LaCie Network Assistant: LAN Port 1 must be enabled to use LaCie Network Assistant.

You can change the priority order by reassigning the role of primary port.

1. Select the configuration icon (pencil) for the port you wish to assign as the primary.



This screenshot is similar to the first one, but a context menu is open over the 'LAN 2' row of the table. The menu items are:

- LAN 2
- Details
- Edit
- Define as primary
- Disable

2. Choose **Define as primary**.
3. The star icon will move to the port to reflect the change.

Network ?

Connections Proxy Remote access Port forwarding

[Link](#)

Name	Type	IP address	Status	Speed
LAN 1	Ethernet	192.168.10.22	●	1Gb/s 
★ LAN 2	Ethernet	192.168.10.39	●	1Gb/s 

LAN 1 LAN 2



PROXY TAB

Network ?

Connections | **Proxy** | Remote access | Port forwarding

Configure how your 5big NAS Pro connects to the Internet *:

Internet access ● Proxy server ▾

Proxy server Port

. . . 3128

Authentication required

Name

Password

Apply

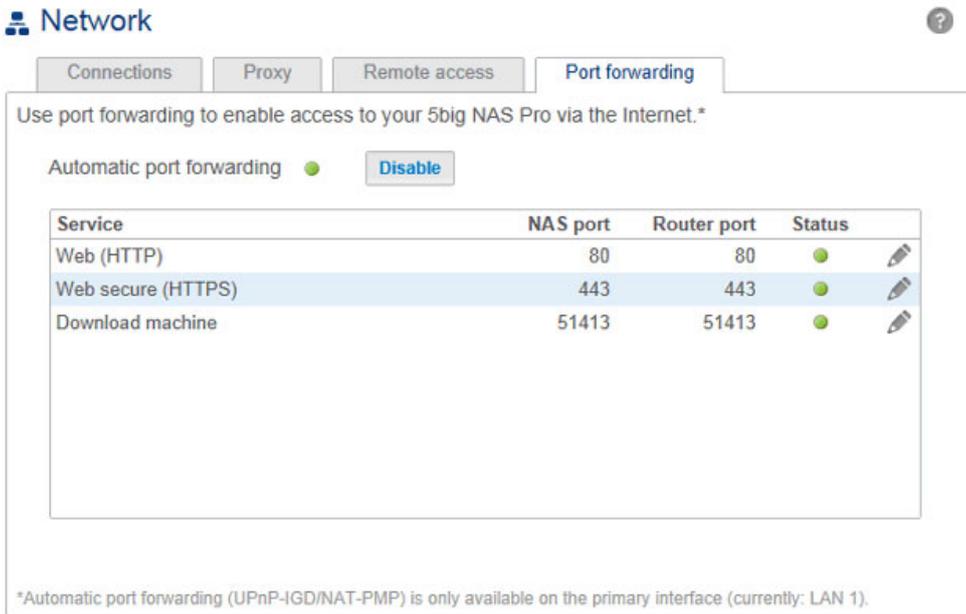
*Internet connectivity is only available on the primary interface (currently: LAN 1).

A proxy server may be used to connect compatible network devices to the internet. If necessary, your LaCie NAS can be configured to use a proxy server. First, activate the feature by selecting the **Proxy server** option from the drop-down menu, then fill in the proxy server address, port, and optional authentication information. Choose **Apply** for your changes to take affect.

REMOTE ACCESS TAB

See [LaCie MyNAS](#).

PORT FORWARDING TAB

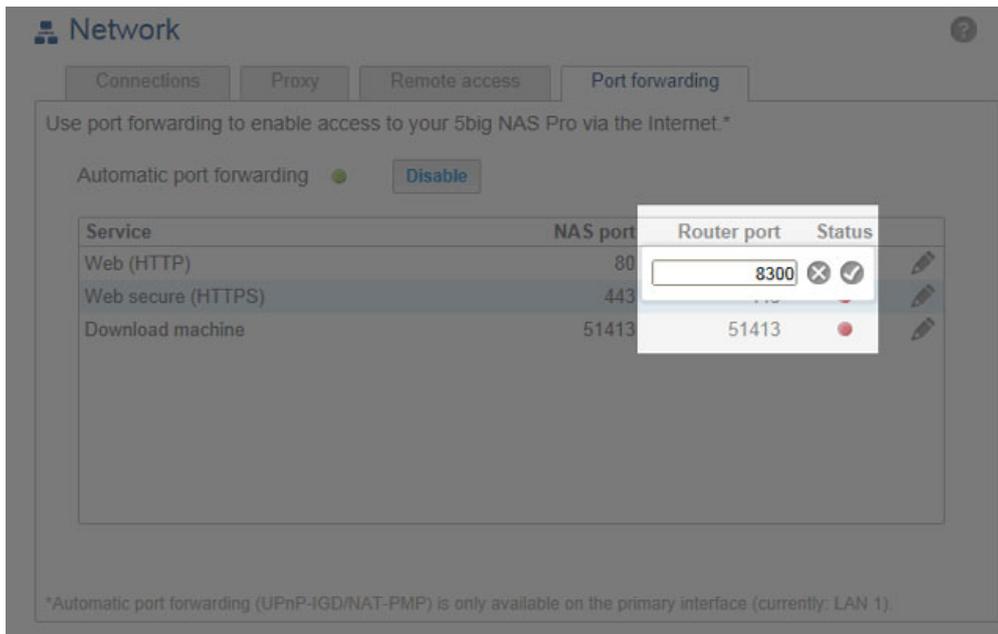


Use this page to manage your LaCie NAS's port forwarding.

To access the internet, file and application services (e.g. HTTP, HTTPS, remote access (see [LaCie MyNAS](#)), download machine, and more) use port numbers on the LaCie NAS and the network router. As seen in the screenshot above, automatic port forwarding is turned on by default and the port numbers are the same for both the *NAS port* and *Router port* columns.

In most instances, automatic port forwarding should help you access services on the NAS. However, enterprise-level network security or port availability on your router can prevent access to ports. Therefore, it may be necessary to change the router port numbers manually for services. Before adjusting numbers in this tab, confirm that the ports you wish to use are available on your router. For example, if you intend to change download machine to router port number 8800, you must make certain that port 8800 is available on your router. Additionally, your router must be compatible with UPnP-IGD/NAT-PMP protocols. See your router's user manual for details.

To change the router port for a service on the NAS, choose its value in the **Router port** column.



To disable port forwarding for a service, select its configuration icon (pencil) and then choose **Disable**.

Note on Services in the Port Forwarding tab: Download machine and other services will appear in this tab once they have been enabled.