

# Interface Team or Bond with nmtui

Feb 2022

## Overview

Interface bonding/teaming can be setup by creating/editing existing ifcfg-xxx files (CentOS). However, this method requires a lot of experience, is error prone and can be quite a laborious process.

Using **nmtui** (Network Manager Text User Interface) this process can not only be greatly simplified, it can be really fast and much less error prone.

## nmtui

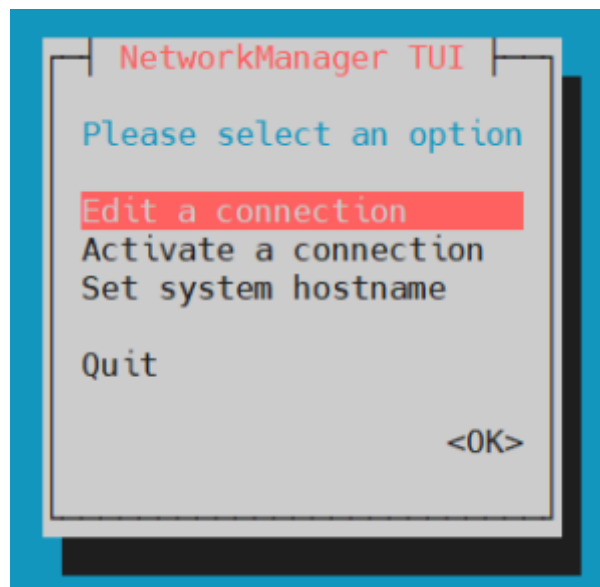
In the following example, there are three physical interfaces:

|        |         |                                             |
|--------|---------|---------------------------------------------|
| lo     | UNKNOWN | 127.0.0.1/8 ::1/128                         |
| eno1   | UP      | 10.43.30.10/24 fe80::aff9:21b2:3c9f:21ff/64 |
| enp2s0 | UP      |                                             |
| enp3s0 | DOWN    |                                             |

eno1 is set to dhcp, and I am using this connection to configure the team/bond. enp2s0 and enp3s0 are the two interfaces I wish to team.

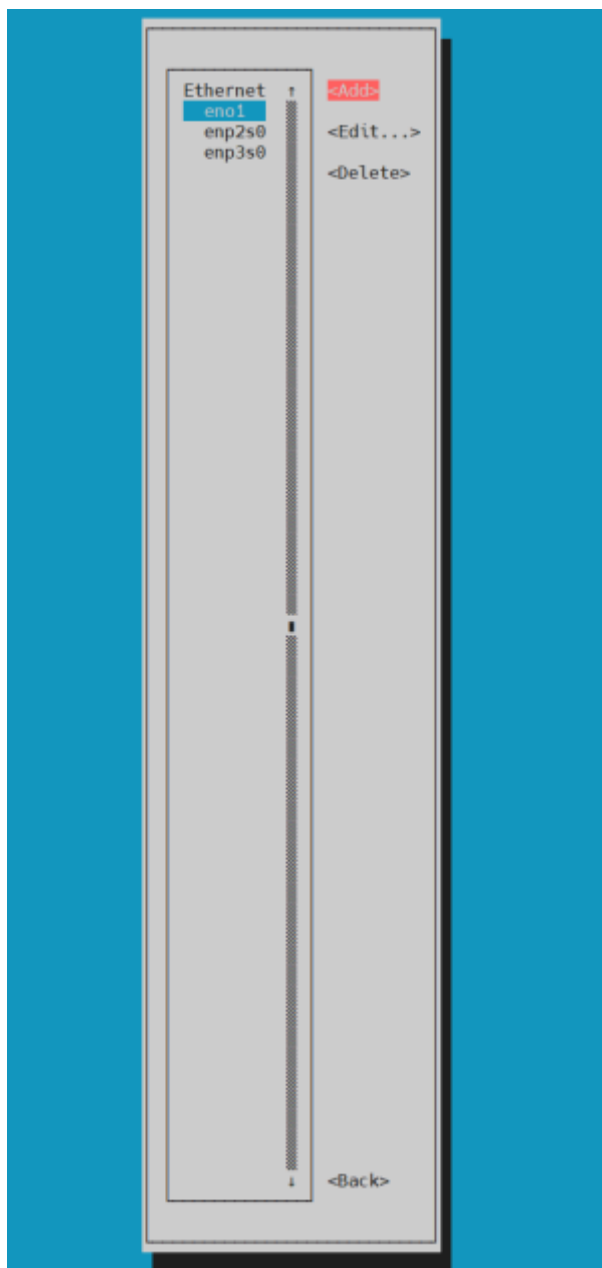
To start nmtui from the command line use **sudo nmtui** if you are already sudo then the nmtui interface will appear, if you are not then you will have to enter your sudo password first.

The nmtui interface is a text based UI, so it runs very well from the command line (no Desktop GUI required). When nmtui first runs you will see this menu:



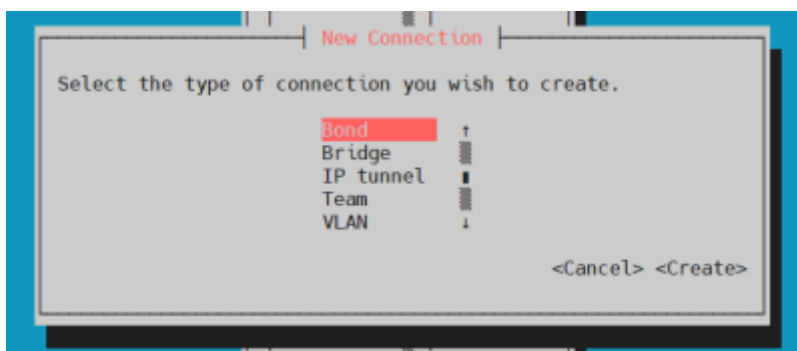
Select **Edit a connection**.

The next menu shows you a list of the current interfaces



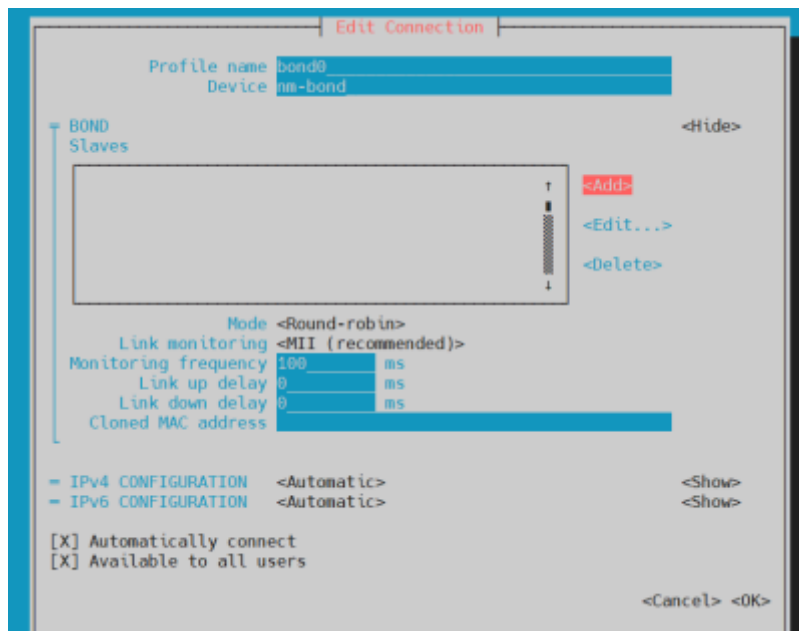
Using the cursor keys, move over the right and select **<Add>**

From the New Connection option menu



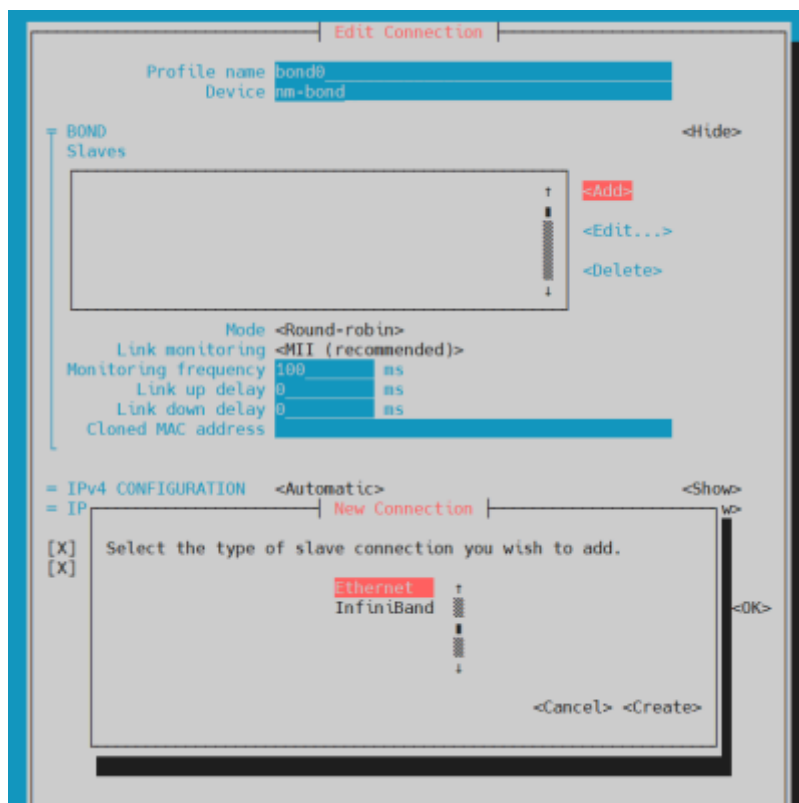
Select either **Bond** or **Team**.

Add a profile name to identify your bond/team



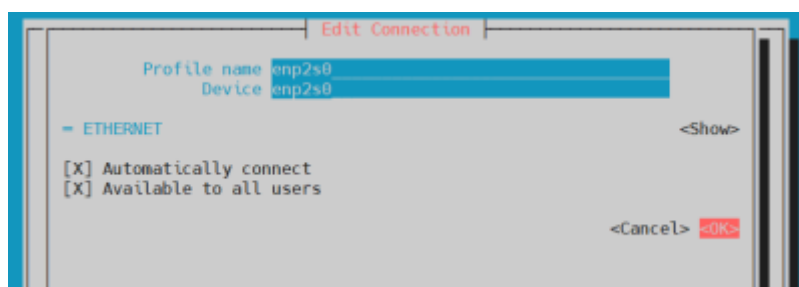
Here I have used **bond0**

Now click **<Add>** to the right of the Slaves box.



A New Connection window will open and for this example (and probably most examples) we will use the **Ethernet** option.

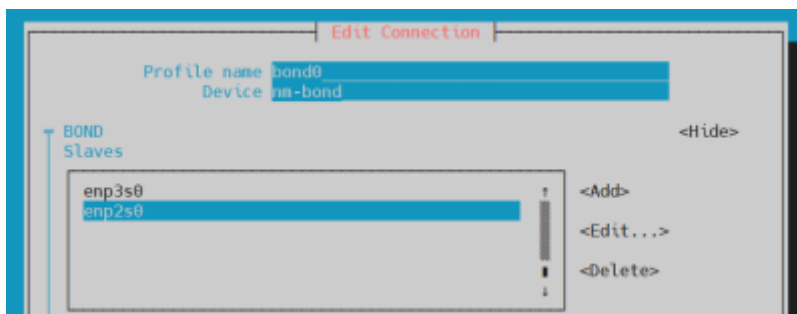
When the next window opens, you can specify your interface name.



Enter the name of your first interface in your bond/team then select **<OK>**

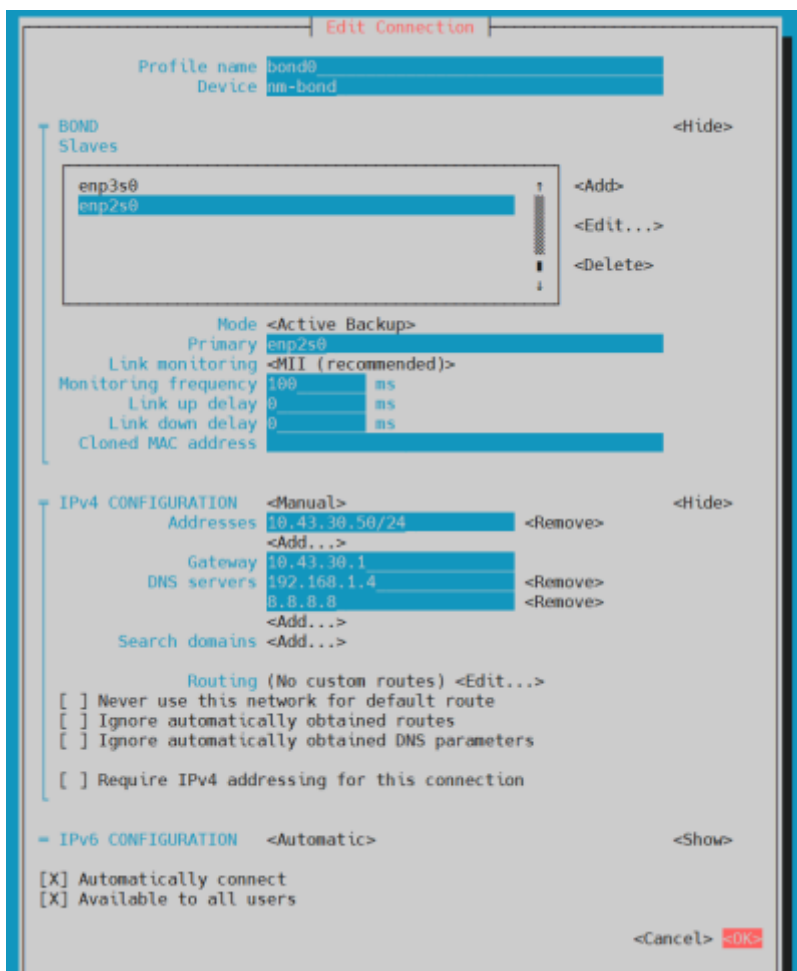
You will now see the interface you just selected in the Slaves box. Repeat this process to add the second interface in your bond/team.

Now both interfaces are added as slaves.



(while in this example one interface is a master and the other a slave, both the interfaces are slaves in the bond).

Lastly we have to add all of the static IP information to the bond/team.



Below the slaves box, we need to select the **Mode** there are many modes, but for this example I am using **Active Backup**, so only one interface is active at any time. Below this setting, enter the name of the **Primary** interface (enp2s0 in this example).

Now enter the IP information for the bond.

Address  
Gateway  
DNS Servers

Once complete, select **<OK>**

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