Rocky Linux IP Configuration

Author: Hope Tan, LU NCAE Cybergames Team Captain '24-25

- display network configuration and check interface: `ip a`

- install net-tools if not installed: `sudo dnf install net-tools`

- open NetworkManager TUI: `sudo nmtui`

- use arrow keys to navigate, and enter to select

- select `Edit a connection`

- select `Ethernet`

```
                    ┤ New Connection ├

   Select the type of connection you wish to create.

                         DSL            ↑
                         Ethernet       ▪
                         InfiniBand     ▓
                         Wi-Fi          ▓
                         Bond           ↓


                                        <Cancel> <Create>
```

- enter the following settings with the appropriate IPv4 address and gateway

```
                         ┤ Edit Connection ├

        Profile name ens18_____
              Device ens18 (62:F3:44:40:B8:15)_____

   = ETHERNET                                             <Show>
   = 802.1X SECURITY                                      <Show>

   ╦ IPv4 CONFIGURATION <Manual>                          <Hide>
   ║        Addresses 192.168.9.12/24_____ <Remove>
   ║                  <Add...>
   ║          Gateway 192.168.9.1_____
   ║      DNS servers 8.8.8.8_____  <Remove>
   ║                  8.8.4.4_____  <Remove>
   ║                  1.1.1.1_____  <Remove>
   ║                  <Add...>
   ║    Search domains <Add...>
   ║
   ║          Routing (No custom routes) <Edit...>
   ║  [ ] Never use this network for default route
   ║  [ ] Ignore automatically obtained routes
   ║  [ ] Ignore automatically obtained DNS parameters
   ║
   ║  [ ] Require IPv4 addressing for this connection
   ╩

   = IPv6 CONFIGURATION <Disabled>                        <Show>

   [X] Automatically connect
   [X] Available to all users

                                            <Cancel> <OK>
```
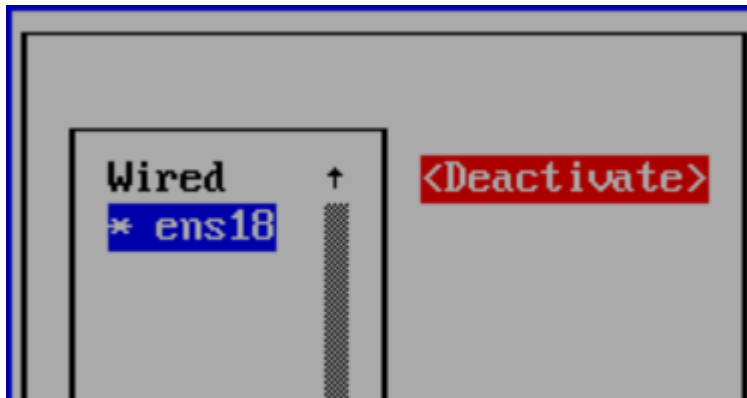
- after making the connection, go back to the original menu and select `Activate a connection`

- make sure the connection is activated

- exit NetworkManager TUI

- make sure the ip address has updated: `ip a`

- test internet connectivity: `curl google.com`