

How to login to the machine

Please start the machine and wait until the LINBO login window appears. The login window can be seen in figure 1. Click on the icon for **PCNA-Lab** and wait for the operating system to start!



Figure 1: LINBO logging window

The operating system is Debian. You can login to the user `labor` with the following credentials:

User: `labor`

PW: `labor`

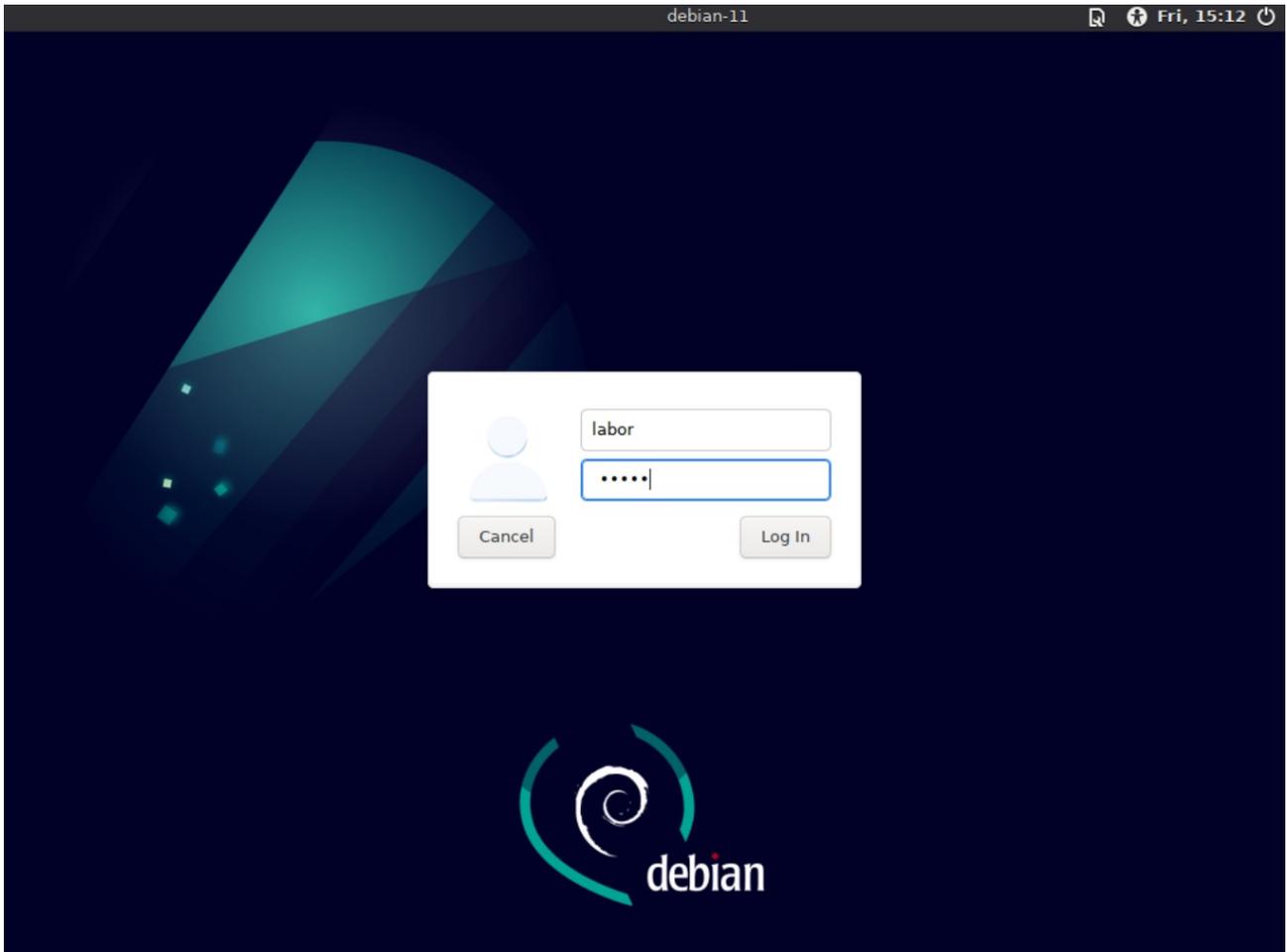


Figure 2: Debian login window

Configuration of the Switch

The Switch you use for the exercises is a **TP-Link TL-SG108E**. It has a management console for configuration and can be accessed with the following credentials:

IP: 192.168.0.1

User: admin

PW: admin



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Figure 3: Switch login window

Change the password to a new password with minimum number of 6 characters! If you are not able to login to the Switch, reset it by pressing the reset button (See figure 4) at the back for 5 seconds.

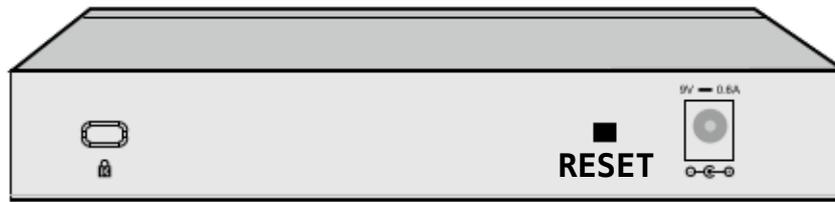


Figure 2-7 Rear Panel of TL-SG108E

Figure 4: Backside of the Switch

Login to the Switch by setting your network configurations in Debian!

Setup your interface to connect to the Switch

(e.g. set the IP address of your interface using the command:

```
ip addr add 192.168.0.10/24 dev <INTERFACE>).
```

Disable Loop Prevention in the system by selecting *Monitoring* → *Loop Prevention* and disable the option (See figure 5).

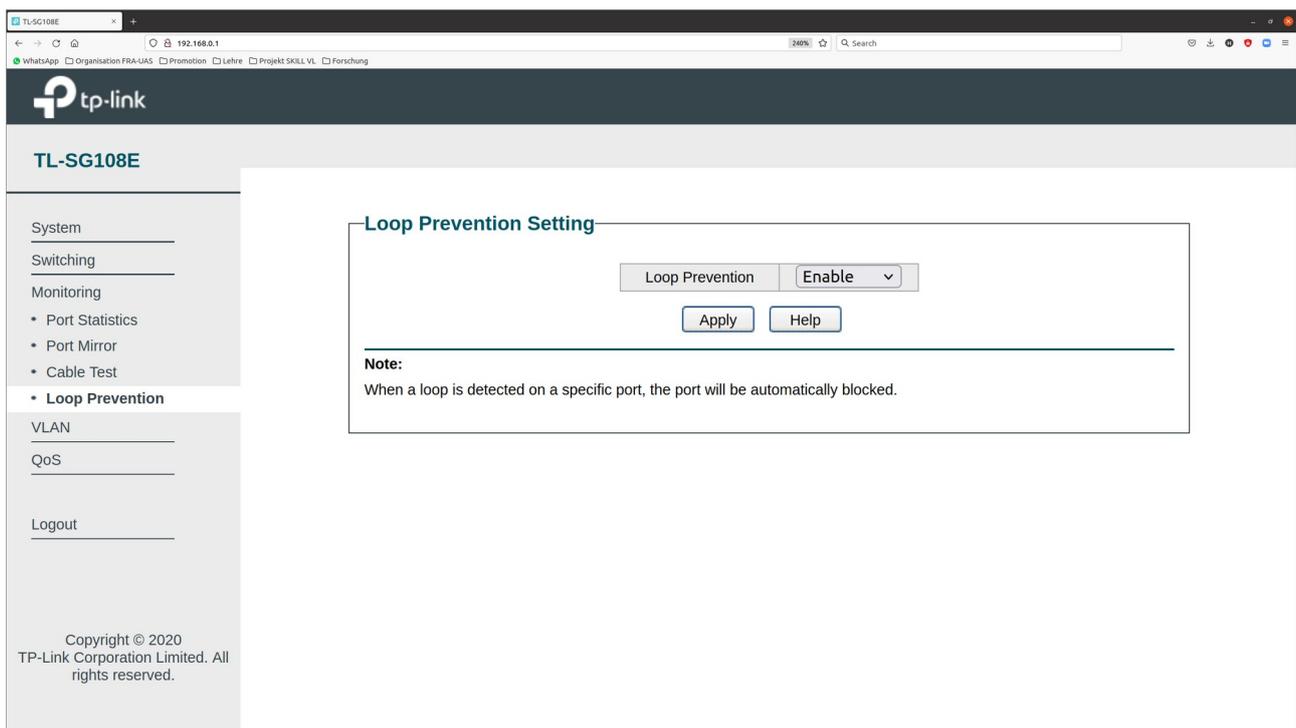
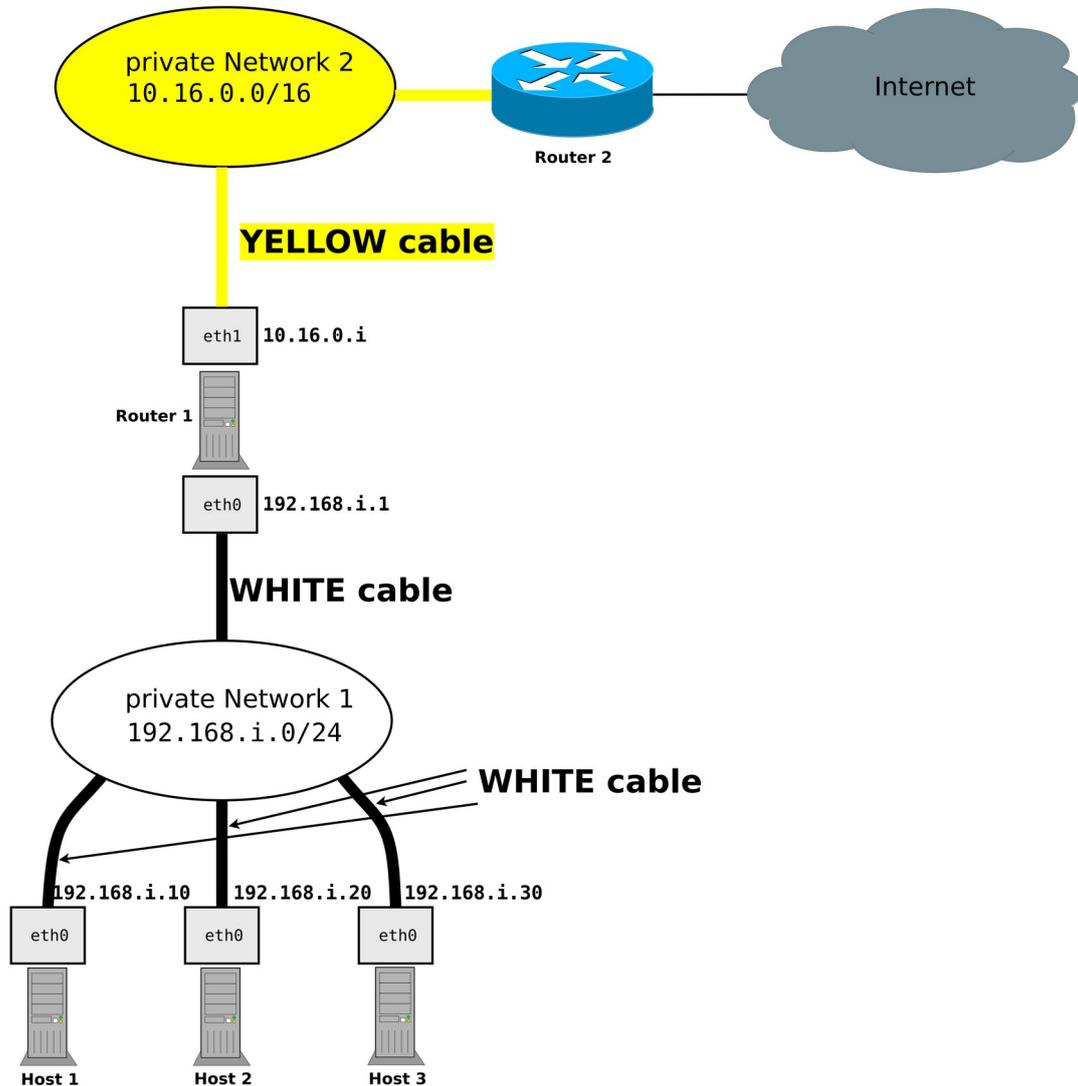


Figure 5: Loop Prevention window

If you receive broadcast messages of type 0x8899 when monitoring traffic using Wireshark, then you have forgotten to disable Loop Prevention in the Switch!

Configuration of cables for the network



Please use the WHITE cable for your local network private network 1 (LAN – Hosts to Switch) on your desk! Use the YELLOW cable for the connection of your router to the internet private network 2!