IT TECHNOLOGY

NETWORKING

Assignment 5, The Switch and STP

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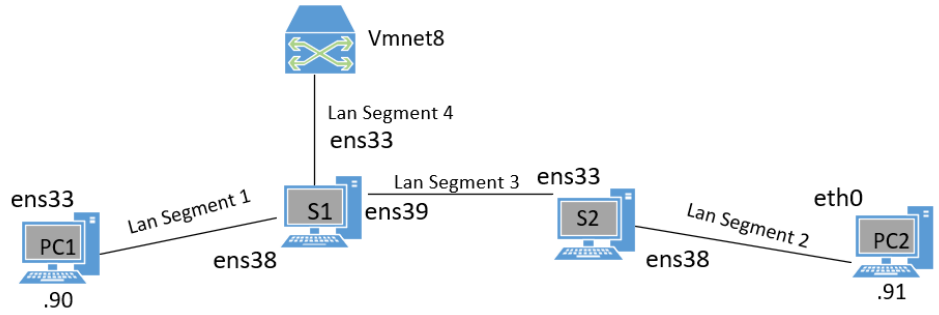
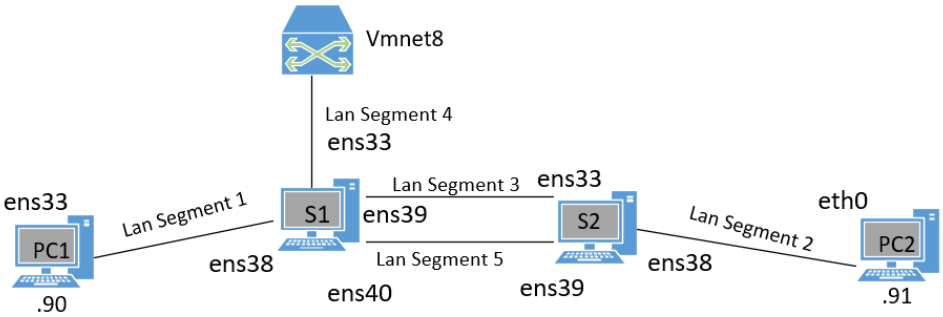
The SPANNING TREE PROTOCOL (STP) is a network protocol that build a loop-free network setup. It is used to prevent bridge loops.

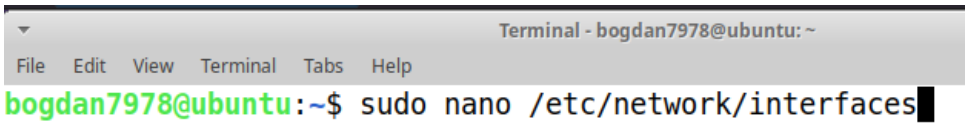


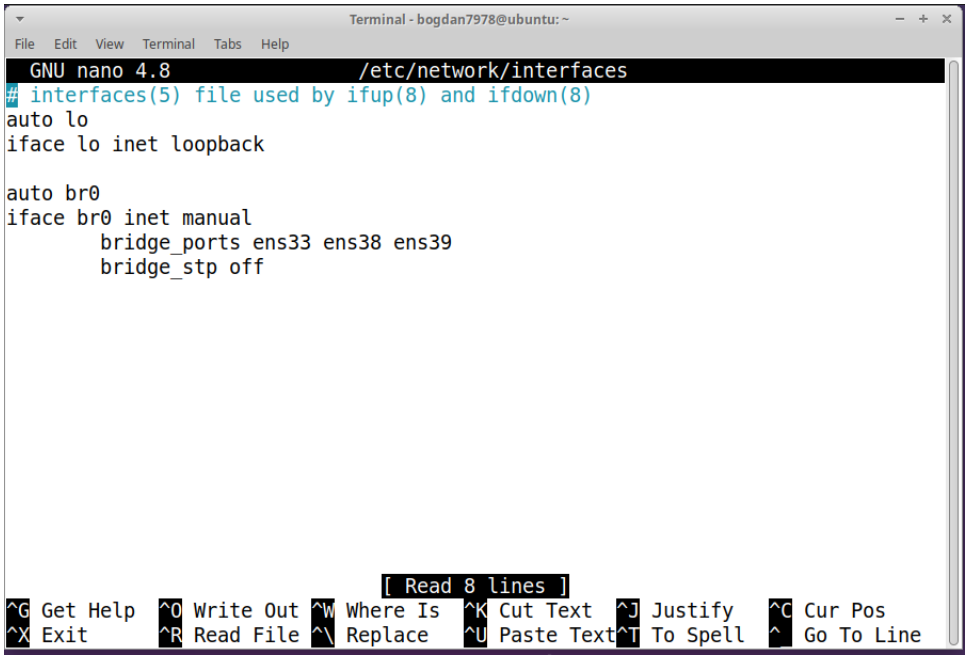
Here we have a diagram with a loop free network setup, with Switch 1 connected to the network through VMnet8.

Now we are going to create a loop between the two Switches.

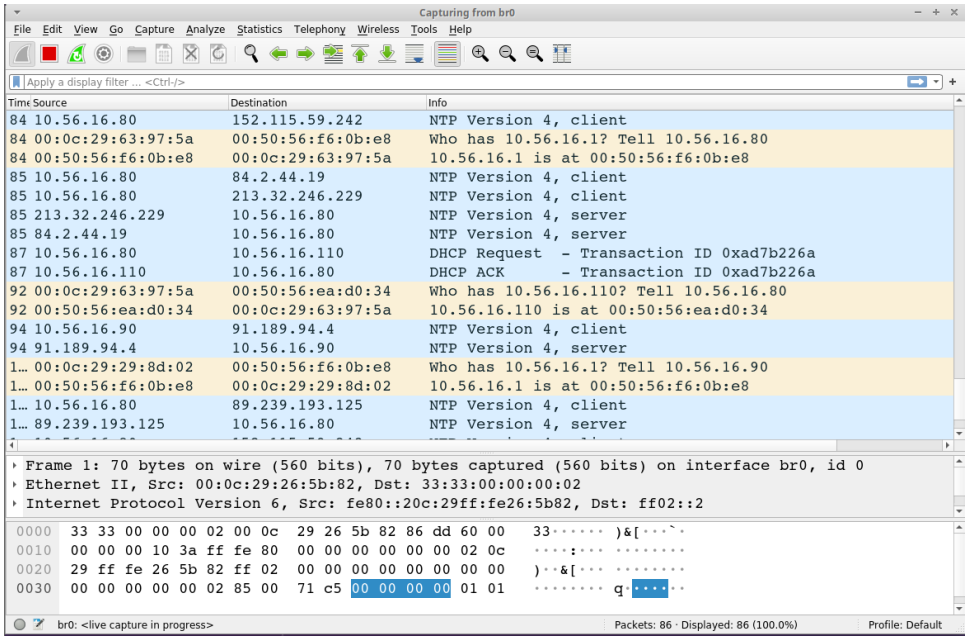


And switch off the bridge STP with the command "sudo nano /etc/network/interfaces"



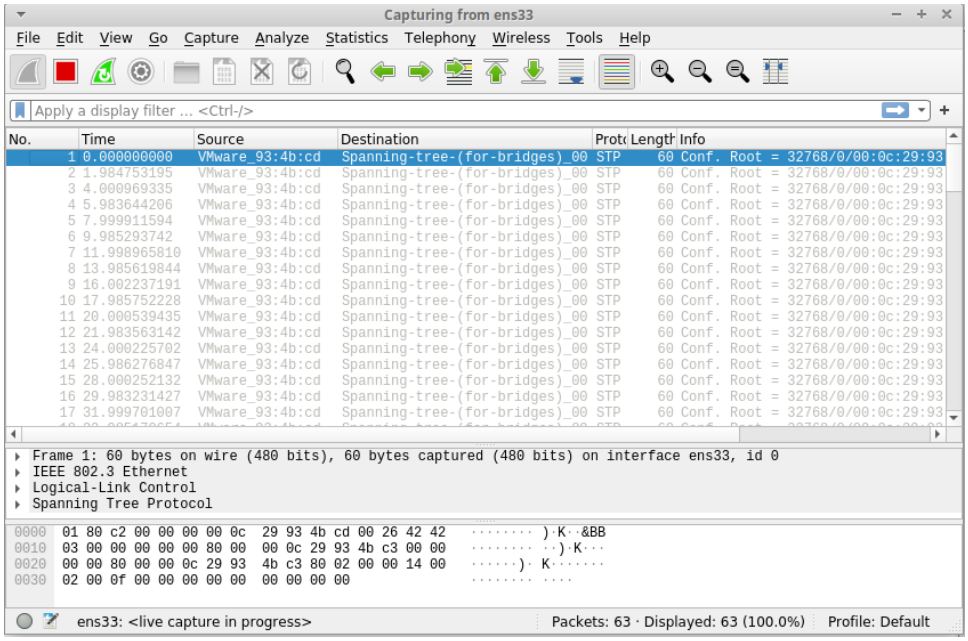


Do this for both switches, and let's run wireshark to see the outcome.

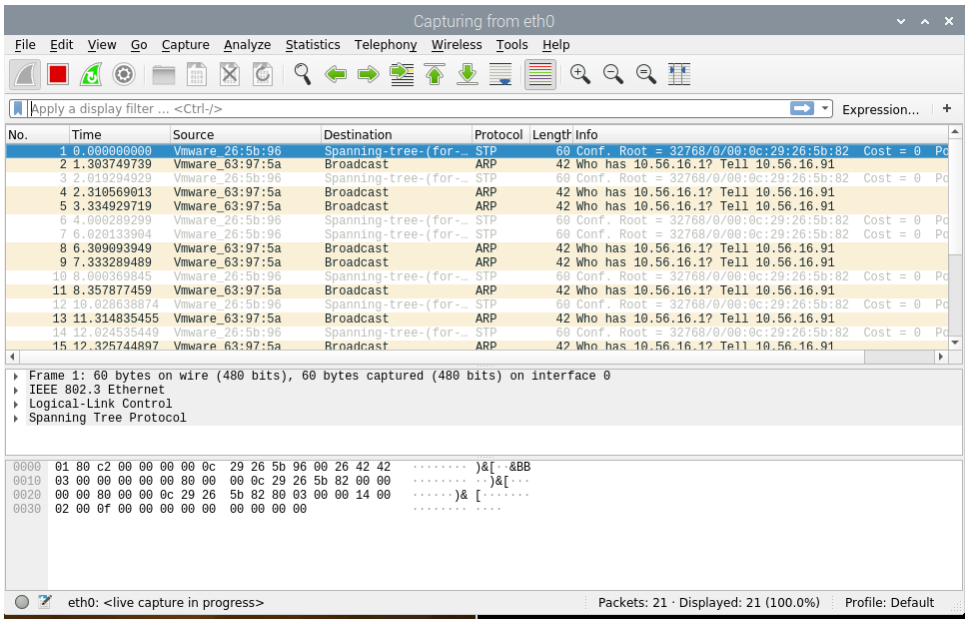


Wireshark running on S1

Now let's switch the bridge_stp on and run wireshark



Wireshark running on PC1



And on PC2.