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Linux Administration

10/24/2021

Ubuntu Network-Setup

To get the network set up we need to install some network tools and to do this we use the command “sudo apt-get install net-tools” and then confirm it if needed. You can also have net-tools pre-installed on your VM and if so, that’s fine.

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Now you can look at your network settings by using the command “cd /etc/netplan/” to get to your network folder then use the command “ls --all” to see the files in the folder and finally use “vim 00-installer-config.yaml” to open up the file and see its contents.



A screenshot of a computer

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Now there are a few other commands we can use to look at our network setup like “ip a” which shows some network settings like the IPv4 & IPv6 addresses, ethernet and netmask to name a few. Next, we can use “sudo netstat -tulpn” and “sudo lsof -i” to see what programs are running on the server and what’s connected. Also, we can use the command “sudo lshw -class network” to see even more information about the network and even the hardware itself.

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Also, I haven’t installed anything or updated anything before this assignment so the last update before today would be on 10/21/22.

Sources:

<https://ubuntu.com/server/docs/network-configuration>

This website was a huge help in explaining all of the network commands and how everything worked.

[How to Configure Network Static IP Address on RHEL/CentOS 8/7 (tecmint.com)](https://www.tecmint.com/configure-network-interface-in-rhel-centos-7-0/)

This website helped me learn some network commands on step 2 so I could show my network status.

[ifconfig vs ip: What's Difference and Comparing Network Configuration (tecmint.com)](https://www.tecmint.com/ifconfig-vs-ip-command-comparing-network-configuration/)

This website helped me learn more about the ifconfig and ip commands.