# Network Settings Project

Time required: 30 minutes

**How to Create Screenshots:** Please use the Windows Snip and Sketch Tool or the Snipping Tool. Paste a screenshot of just the program you are working on. If you are snipping a virtual machine, make sure your focus is outside the virtual machine before you snip.

1. Press and hold down the **Windows key** & **Shift**, then type **S.** This brings up the on-screen snipping tool.
2. Click and Drag your mouse around whatever you want to snip.
3. Release the mouse button. This places the snip into the Windows Clipboard.
4. Go into Word or wherever you want to paste the snip. Hold down **CTRL**, then type **V** to paste the snip.

## Lab Description

While connected to the Internet, please answer these questions about your network settings.

**NOTE:** Your connection to the local network will have an IP Address, Subnet Mask, Gateway and DNS servers.

**NOTE:** Please use the command prompt for this lab.

1. **What is your current IP address?**

Click or tap here to enter text.

1. **Paste a screenshot of the results of this command:**

Click or tap here to enter text.

1. **What command did you use?**

Click or tap here to enter text.

1. Release and renew your IP address.
2. **What commands did you use?**

Click or tap here to enter text.

1. **What is your IP address after these commands?** (Even if your computer has DHCP enabled, you will most likely receive the same IP address. DHCP remembers the address it gave your computer, and your computer has a “Preferred” IP address. Preferred means that when it is time for your computer to ask for a new address, it will ask for the “Preferred” IP address. If you power cycle your router or go somewhere else and get a different IP address, when you come back, you might get a different IP address.)

Click or tap here to enter text.

1. **What command would you use to find out your DNS, IP address, MAC address, and all available information about your network connection?**

Click or tap here to enter text.

1. **Paste a screenshot of the results of this command:**

Click or tap here to enter text.

1. **Are you using dynamic or static IP addressing?**

Click or tap here to enter text.

1. **How do you know whether you are using dynamic or static IP addressing?**

Click or tap here to enter text.

1. **What is your Physical Address for this connection?**

Click or tap here to enter text.

1. **What is your default gateway IP address?**

Click or tap here to enter text.

1. What response do you get when you ping the default gateway?
2. **Paste a screenshot of this command:**

Click or tap here to enter text.

1. What response do you get when you ping your DNS server?
2. **Paste a screenshot of this command:**

Click or tap here to enter text.

## Assignment Submission

Attach this completed document to the assignment in Blackboard.