**Tech Challenge 1.2**

**Create a Virtual Machine and**

**Install Ubuntu Linux OS**

For this tech challenge you will need to create a virtual machine using VMware and install Ubuntu Linux OS.

1. Go to <https://www.ubuntu.com/download/desktop> and download the Linux ISO File
2. Create a virtual machine that meets the following specifications. Do not power up the virtual machine until you have completed step #2. The specifications for the virtual machine include:
   1. The guest operating system will be Ubuntu Linux
   2. Number of processors: 1
   3. Number of cores per processor: 1
   4. Memory: 1024 MB
   5. Network Connection: NAT
   6. I/O Controller Type: LSI Logic SAS
   7. Disk Type: SCSI
   8. Disk Capacity: 45GB
3. Edit the virtual machine settings for this virtual machine and, instead of using a traditional CD/DVD drive, use an ISO image of the Ubuntu Linux OS.
4. Create a username and password when prompted
5. Power up the virtual machine and install the operating system
6. VMWare Tools will automatically install and the system will restart.
7. Once you are prompted with the login screen, login to the Linux OS and provide a screenshot.

Audit your Server

1. Research how to open a Command Prompt in Linux. What is a command prompt called in Linux?
2. Once you have a prompt open navigate through the root directory of your server and provide a screenshot of the files in the root directory. How does the command prompt differ in linux vs windows? How are they similar?
3. Explore the server a bit more and provide a summary of your thoughts on Linux vs Windows. Which OS do you prefer? What are some key differences and similarities?