Lab-1

CSCI 5113-001   Linux System Administration

After reviewing the Dunder Mifflin scenario and connecting to CU VPN, login to vSphere and access the machines. My Determined N value is 7. Log into machine A, the username is root and the default password is saclass. To change the root password, type the command "passwd", it will show you to type the new password and retype the password. Once the password is entered it will show successfully updated the password. In machine A, using the command "*ssh root@100.64.7.2*" we can access machine B remotely and change the root password using the command "passwd" and based on the ip address we can write the ssh command according to it. The process is repeated for the respective machines C, D, E, F, X.

To copy etc/hosts file from each of the seven machines to my local machine can be done using the scp command in my local machine terminal. To copy etc/hosts file of machine A to the local machine, the command is "*scp root@100.64.7.1:/etc/hosts hosts-A*", since all the machines have the same file name, if we copy the file it will gradually replace the file. So instead of that we are renaming the file for the subsequent machine. So in my lab, I have named all the files based on machine such as machine-A as file hosts-A and machine-B as file hosts-B similarly for rest of the machines.

Since A, B, C, D, F, X are in the same network it was possible to copy the file to the local machine. In the case of machine-E it is in different network, so access machine A in order to copy the etc/hosts file from machine-E to machine-A and rename the file it as hosts-E by using command "*scp root@10.21.32.2:/etc/hosts etc/hosts-E*". Since the hosts-E file is stored in machine-A it can be copied to the local machine because they are in the same network. Further from machine A it is copied to the local machine using command "*scp root@100.64.7.1:/etc/hosts hosts-E*". It took approximately 2 hours to finish my assignment, from the login process to documentation.