**Services**

**HTTP (default port 80)**

sudo apt-get install apache2

sudo netstat -alpn | grep ' LISTEN ' \*looks what’s running

http://localhost/IP Address \*lets you see website

sudo vim /var/www/index/index.html \*lets you edit web page

**FTP (default port 21)**

sudo apt-get install vsftpd

\*in terminal\*: ftp localhost \*access localhost/IP address

sudo vim /etc/vsftpd.conf \*lets you edit FTP access…etc…

sudo service vsftpd restart \*need to restart ftp to see the changes

**SSH (default port 22)**

sudo apt-get install openssh-server

sudo vim /etc/motd \*edit MOTD

\*in terminal\* ssh user@localhost \*see localhost/IP address motd

**Make sure to add the following line to /etc/ssh/sshd\_config this is important during labs, challenges, and Cyber Storm**

UseDNS no

**MySQL (default port 3306)**

sudo apt-get install mysql-server

\*in terminal\*: mysql -uroot –p \*access root user mysql

CREATE user 'dude'@'%' IDENTIFIED BY 'password'; \*set’s another user

CREATE DATABASE test;

GRANT ALL PRIVILEGES ON test.\* TO 'dude'@'%'; FLUSH PRIVILEGES; \*grants access for new user

mysql -udude –p

SHOW DATABASES;

sudo vim /etc/mysql/my.cnf \*edit mysql

**ctrl-f** \*to find file to comment out

**To make the port available to accessible**

**Note, on newer versions of MySQL, the config file has changed**

sudo vim /etc/mysql/mysql.conf.d/mysqld.cnf

sudo service mysql restart

**Changing Ports**

**HTTP:**

sudo vim /etc/apache2/ports.conf \*Listen 80

sudo vim /etc/apache2/sites-enabled/000-default.conf \*to change port to what you want

<VirtualHost \*:12345> \* port change

sudo service apache2 restart

**Browse to the new port in a web browser: http://localhost:12345**

**FTP:**

sudo vim /etc/vsftpd.conf

Listen\_port=54321 \* Add the following line to match the new port:

sudo service vsftpd restart \* Restart the server

**Login on the new port: ftp localhost 54321**

**SSH:**

sudo vim /etc/ssh/sshd\_config \*default port 22 /change to whatever you want

sudo service ssh restart

**Login on the new port: ssh -p 2222 localhost**

**Mysql:**

sudo vim /etc/mysql/my.cnf

**Note, on newer versions of MySQL, the config file has changed**

sudo vim /etc/mysql/mysql.conf.d/mysqld.cnf

**Find the [client] section and change the port**

Port = 3306 \*default port/change port to whatever

**Find the [mysqld] section and change the**

Port = 3306 \*must match client port/I think lols

sudo service mysql restart

**Login on the new port: mysql -h {your IP} -udude -p**