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CIS 450

Lab 6

**Activity 1**

* Set up netcat in kali linux

Text

Description automatically generated

* Set up netcat in windows:
* Download the netcat from the internet (zip folder) including nc.exe file
* Copy nc.exe file, create the new folder in C drive as nc and then paste this file into itText

  Description automatically generated
* Before using netcat to connect two machines, I need to know the IP address of windows machince by using command **ipconfig** in terminal
* Create the text file with content: “test netcat”

A screenshot of a computer

Description automatically generated with medium confidence

* Command in Windows: **nc -v -l -p 1100 > receive.txt** => set up listening device (-v: verbose output, -l: listen mod, -p: port number), open port number and put information from this port into the file as receive.txt



* Command in Linux: **netcat 169.254.143.5** (my IP address in windows) **1100** (port number) **< info.txt** => connect 1100 port to communicate between two machines (windows and kali linux), and send the text file to the port



**Result:**

* Connect successfully



* After closing connection, I check what file I get in windows and open it

Text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

**Activity 2**

* After reset password for my Krypton account, I log in (in Putty or SSH client) on the Krypton system.

Graphical user interface

Description automatically generated

* Set up the dynamic tunnel, using source port as 5555

Graphical user interface, application

Description automatically generated

* Click Add, and then choose Open
* Login with my starid and Krypton’s password I just reseted

Text

Description automatically generated

* I set up a SOCKS proxy in Firefox
* Host: local host (127.0.0.1), Port: 5555

Graphical user interface, application

Description automatically generated

**Result:**

* This is my IP address before editing the connection

Graphical user interface, text, application, email

Description automatically generated

* This is my IP address after editing

A screenshot of a computer

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* Wireshark

Table

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