CIST 3381: Information Assurance and Security

Spring 2022

Reflection: Ethical Hacking Lab 2

Name: Michael Chillemi

1. Discuss the role of reconnaissance in a) penetration testing, and b) \*unethical\* hacking *Minimum 150 words*

A) When you are conducting a penetration test the role of reconnaissance is used to to detect what entry points a company’s security is lacking. Penetration testing for a company is useful because they can see what vulnerabilities a company has and fix it before a black hat hacker can use it for their personal gain. Penetration testers use reconnaissance to also see what machines are available for attacks. They can also see what types of ports are open because possible the company has a webpage or they might be able to ssh into a device. Some of the tools penetration testers use for reconnaissance is for example theHarvester, Nmap and many other tools that perform the same functions.

B) In unethical hacking reconnaissance is used to see the best entry point a hacker can attack a company. With a black hat hacker reconnaissance can take over moths to complete before they make an initial attack. Unethical hackers use the same tools as penetration testers to perform reconnaissance.

1. Reflect on your experience in the second lab. *(Read “Writing Your Lab Reflection”, available in the Left Panel on BB Course Homepage).* *Minimum 150 words*

In the second lab it was really interesting. We were learning about the differences between reconnaissance and pen testing. Later in the lab we used pings to verify connections between devices. And used tools to find sub domains on public domains. This lab was very knowledgeable and a amazing experience. It showed me the purpose of conducting reconnaissance whenever you are running a penetration test. The main reason is without reconnaissance you will not have a base idea of how to attack a system. It gives you a base idea on what stuff is open on a system. Also it shows what kind of OS systems some machines are running. This can be useful to try and find exploits on specific devices. After conducting this lab it got me even more excited to do more in person lab and learn more about Cyber security.

Deliverable:

Write and Save the responses in this file. Submit the file