Pentesting Frameworks

Team (#)

CY468 Ethical Hacking

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**Abstract**

Our group is going to write a report about the Variety of concepts that are connected to penetration testing over the course of the next ten weeks. Testing for intrusion, often known as penetration testing, is a technique that contributes to the process of protecting systems and discovers vulnerable spots in the security posture of those systems. Testing for potential intrusions is the means through which these benefits can be obtained. This study will focus on a variety of various areas of penetration testing, such as the tools and procedures involved. Enumeration, social engineering, and scanning are just some of the topics that are covered in the presentations that are available in the Testout virtual lab. The offensive security suite that is included with Kali Linux is utilized by penetration testers. This suite can be obtained through the use of Kali Linux. There is a wide variety of attacks, some of the most common ones being "Man in the Middle," "traffic sniffing," and assaults on Wi-Fi networks. There is also the danger that is created by mobile devices like cellphones. Following that, there will be a report in which the findings will be described. In addition to that, the report included a comprehensive breakdown of the strategies and methods that were utilized during the assaults. This was done with the intention of assisting readers in grasping the nature of the attacks.

**Keywords:** Social Engineering, Penetration Testing, Reconnaissance (Scanning and Enumeration), Analyze Vulnerabilities, System Hacking, Malware

**9.** **REFERENCES**

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