

MITS 6100G - Attack and Defense -- Assignment #1

Task: Design and execute two different attacks on Metasploitable 2

Required VMs:

- Kali Linux
- Metasploitable 2

Metasploitable is an intentionally vulnerable Linux virtual machine. This VM can be used to conduct security training, test security tools, and practice common penetration testing techniques.

Never expose this VM to an untrusted network. Remove Metasploitable from your computer as soon as you finish this course.

Download Metasploitable2 from <https://www.vulnhub.com/entry/metasploitable-2,29/>

Your task is to exploit two of the following services to get root access to the Metasploitable 2 machine:

- MySQL,
- SMTP,
- FTP,
- Telnet,
- HTTP,
- SSH

Deliverables: PDF Report

- (1) A detailed report should be submitted on Canvas. The report should explain the steps taken to launch the attack from your Kali Machine. Support your answer with screenshots.
- (2) Students should be prepared to present their attack scenario in class and answer all questions during the presentation.