

# METASPLOIT: INTRODUCTION

## 1. Introduction to Metasploit:

## 2. Main Components of Metasploit:

- **Exploit:** A piece of code that uses a vulnerability on the target system.
- **Vulnerability:** A design, coding, or logic flaw affecting the target system.
- **Payload:** An exploit will take advantage of a vulnerability.
  - **Singles:** Self-contained payloads that do not need to download components to run.
  - **Stagers:** Responsible for setting up a connection channel between Metasploit and the target system. Useful when working with staged payloads.
  - **Stages:** Downloaded by the stager. This will allow you to use larger sized payloads.
- **Encoders:** Encoders will allow you to encode the exploit and payload.
- **Evasion:** Not considered a direct attempt to evade antivirus software.
- **NOPs:** (No Operation) do nothing, literally.

## 3. Msfconsole:

<https://github.com/rapid7/metasploit-framework/wiki/Exploit-Ranking>

## 4. Working with modules

## 5. Summary