**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.

1. **Msfconsole:**

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

1. **Working with modules**
2. **Summary**