

Security of Networks, Services, and Systems

Kali lab

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Hack it

- Objective: provide starting point for developing hacking capabilities.
- Approach:
 1. Solve the HTB hackthebox.eu registration challenge
 2. Install a kali VM in your computer and familiarize yourself with the Kali tools
 3. Own at least three boxes in the hackthebox platform.
 4. Join the xSTF

1. Solve hackthebox.eu registration challenge

- Really?

2. Familiarize your self with the Kali tools in the lab network

- WARNINGS ::
 - don't go beyond the lab network unless you know what you're doing!!
 - properly reset the lab network and devices before leaving
- Use nmap to discover the lab devices
- Use the metasploit framework to discover vulnerabilities and enumerate services in the lab
- More WARNINGS – see next slide

Disclaimer, responsibility

- The sky is the limit but you must be responsible.
- There are a number of ethical issues related to cybersecurity, hacking, and penetration testing, like the illegitimate use of vulnerabilities and exploits, the use of the information that is found through hacking and penetration testing, and the impact on the availability, consistency, etc of the systems that are being hacked.
- A thorough discussion of many of these issues can be found on the Internet, an example of which is <https://cert.eccouncil.org/code-of-ethics.html>.
- There's also a Pentesting Declaration on Moodle for you to take a look

3. Own at least three boxes in the hackthebox platform

- Fun!

4. Join the xSTF

- <http://www.xstf.pt/enrollment>
- Training sessions
- HTB and other platforms
- CTF competitions



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