



# Report Lab 1 - Lab 2 - Lab 3

Vulnerability Analysis

All Slide Shows: <https://lab.dylantran.tech/>



# Report

## Requirement:

- Using nmap NSE, greenbone
- Finding a vulnerability inside metasploitable2
- Using metasploit framework or other tools to Exploiting this vulnerability be found.



# Report Outline

- I. Introduction this vuln.
  1. What is this vuln and type of vulnerability is this?
  2. Outline the technical mechanism of the vulnerability.
  3. Impact and Severity:
    - Describe the potential impact of the vulnerability.
    - Discuss its severity level (e.g., critical, high, medium, low) based on CVSS or other metrics.



# Report Outline

## II. Implementation.

1. Create an environment for testing (Implementing lab 1 and giving result)
2. Vulnerability scanning (lab 2):
  - Using nmap for scanning steps 1 to 3 and capturing results.
  - Using OpenVAS for scanning step 4.
    - Each steps - Capturing result:
      - Creating a target.
      - Creating a task.
      - Capturing a result this vuln after exporting report.



# Report Outline

## II. Implementation.

1. Create an environment for testing:
2. Vulnerability scanning:
3. Exploitation (lab 2):
  - Using metasploit framework or other tools or other ways to exploit the vulnerability.



# Report Outline

## III. Mitigation and Remediation.

- Detection: Snort (next lab, No need to do yet on this report)
- Prevention: Using firewall (Lab 3).

## IV. Conclusion.

- Summarize the key points of the report.
- Reiterate the importance of addressing the vulnerability.

## References.



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Merci beaucoup!

