

# Vulnerability Management



# Vulnerability Management

This is the process of identifying, assessing, treating and reporting security vulnerabilities



# Vulnerability vs Risk

Vulnerabilities refer to actual security weaknesses while Risks refer to the probability of a vulnerability being exploited.



# Vulnerability vs Risk

No vulnerabilities, no risks



# Vulnerability vs Risk

Vulnerabilities are treated and reported but  
not monitored like risks are



# Vulnerability Example

Vulnerability = Adobe Reader version 4.3 is vulnerable to a buffer overflow attack.

Vulnerability Treatment = Update Adobe Reader version 4.3 to 4.4





How do we find vulnerabilities?



LAB CYBER

# Ways to Discover Vulnerabilities

- Third party software/services
- <https://nvd.nist.gov/>
- <https://www.cvedetails.com/>
- Ethical Hacking
- Penetration Testing

