

Nurturing Ethical Hacking Mindset - Lab 1

Find the vulnerability in a product (CVE) which was used by "Conficker worm variant A" to propagate itself across the network, or any vulnerability of your choice. Write a report demonstrating your understanding of the CVE, your understanding of the exploit and your understanding of the solution which fixed the problem.

In your report you must include the following:

- CVE number of vulnerability exploited
- Or if available: other relevant numbers such as Microsoft Security Bulletin number for vulnerability
- Read the CVE and find the corresponding CWE vulnerability category
- Find the product versions affected
- Find a working exploit for the vulnerability, then compile the exploit and execute it in a test environment (optional but recommended for 4th year students)

Note that all the necessary information required to complete this lab is available on the following websites:

<http://www.cvedetails.com/>

<https://github.com/>

<http://www.rapid7.co.uk/db/search>

Include about 6-10 references or more

Note: Whether quoting, paraphrasing or summarizing all sources must be referenced using an appropriate referencing system for this discipline (such as IEEE) consistently. Note: referencing systems for medicine and chemistry such as ACS and AMA are not recommended.

Due: No later than midnight April 28th

Note:

1. Late assignments will not be accepted
2. Plagiarism is a very serious offence in the DIT and you must acknowledge any material used by including a referenced bibliography in any reports you produced.
4. Submissions which do not adhere to naming conventions outlined in the deliverables section will be penalized by 20%.

DELIVERABLES

You must submit a .pdf file

Include your name, student number and email address written on to the document itself as well as naming the file as specified:

Please name your file StudentNumber-StudentName-NurturingMindsetLab1.pdf
e.g. D1111111-StudentName-NurturingMindsetLab1.pdf

Submission of Assignment:

You are required to electronically submit your assignment by e-mailing it with the subject heading: "Information Security DT211 Year 4 Nurturing Ethical Hacking Mindset Lab 1".