Poznan University of Technology
Faculty of Computing and Telecommunications

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Course: Application Security – laboratories

Lecturer: Michał Apolinarski, Ph.D.

Topic: Websites recon

Duration (on site): 180 min.

PREREQUISITES:

Knowledge of computer networks, operating systems and web apps.

GOALS:

- The aim of the class is to familiarize students with the OSINT (***O**pen **S**ource **Int**elligence*) targeted on websites.
- Preparing a report of the performed tasks.

INSTRUCION (tasks for 1 person):

1. You can't perform any type of attacks, it's only a RECON.
2. Remember that you should base on and use only public information accessible legally. You may use for example:
    a. web browsers (view source, devtools, inspectors, debuggers, add-ons),
    b. operating systems network tools, Wireshark, etc.
    c. online tools like: dnschecker.org, whois, etc.
    d. bing, google (google dorks aka Google Hacking)
3. Visit sites:
    a. https://www.put.poznan.pl/
    b. https://www.b-tu.de/
    c. https://web.unican.es/
    d. https://web.umons.ac.be/en/
    e. https://www.uphf.fr/

f. https://www.uwasa.fi/fi
g. ... (your idea ☺)

4. For at least 2 of above sites try find as much as possible about technical issues like (the more the better):
    a. website tech stack,
    b. IP addresses, DNS records, domain history / registrar, web server info, subdomains,
    c. developers and used CMS, dependencies and frameworks – check for known vulnerabilities,
    d. check web browser consol log, requests,
    e. details about SSL (type, validation, CA, expire date), check if there is any unencrypted traffic,
    f. contents of /robots.txt file
    g. check Google Dorks (indexed urls) like:
        i. publicly exposed documents[1],
        ii. directory listing vulnerabilities[2],
        iii. configuration / database / log files exposed,
        iv. backup and old files,
        v. login / signup pages,
        vi. sql errors,
        vii. php errors / warning,
        viii. find subdomains / sub-subdomains,
        ix. search in github / gitlab / wayback machine,
    h. and so on…
5. Prepare and send to the lecturer a report of performed tasks (positive and false) with your results and analysis. Describe used tools and steps.

REPORT:

- Include a title page with full details of the student, course, and exercise.
- Be carefully edited and provide evidence of the completion of all exercises (screenshots, answers, and conclusions).
- **A complete report must be submitted to the lecturer at least two days before each class.**

[1] example: site:***domain*** ext:***doc*** | ext:***docx*** | ext:***odt*** | ext:***rtf*** | ext:***sxw*** | ext:***psw*** | ext:***ppt*** | ext:***pptx*** | ext:*pps* | ext:***csv***
[2] example: site:***domain*** intitle:***index.of***