



Faculdade de Ciências e Tecnologia
Universidade de Coimbra
Departamento de Engenharia Informática

Assignment #1

Conceção e Desenvolvimento de Infraestruturas Seguras

Testbed reconnaissance/scouting/vulnerability analysis

This assignment requires students to write a report (maximum 6-8 pages) about the testbed reconnaissance/scouting/vulnerability analysis procedure. The paper must address, at least, the following fundamental points:

- Task plan: explain your strategy in terms of how you plan to undertake the evidence collection procedures;
- Toolset and techniques to be used: enumerate and explain the reason for the tools, scripts and techniques being used;
- Discussion of results: this must include the explanation of the rationale for the conclusions you reached, as well as any other findings;

The procedure must document as much information as possible about the testbed, including (but not restricted to): devices and functions, process-level information, the protocols being used and existing communication flows. Any vulnerabilities you may find should be documented.

The paper must be written using the IEEE two-column template, available at: http://www.ieee.org/conferences_events/conferences/publishing/templates.html. The document structure must follow the writing guidelines recommended for research papers (including an Abstract, Keywords, Introduction, Discussion and Conclusion). The papers can be written in English or Portuguese.

The paper must be submitted in Inforestudante **until the 13th April 2024, at 23:59**. Academic dishonesty (plagiarism, etc.) will be penalized accordingly with the University regulations.

Deadline tolerance: each student has a total cumulative credit of 10 days for all the practical assignment deliveries. This means the first accumulated 10 days of delay (considering the total, for all assignments) are not penalized. Late deliveries (above this tolerance threshold) will be subject of a 25% penalty, per day. 