

Progress report (Iteration I)

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1 Intro

- **Student Name:** Daria Vaskovskaya
- **Topic:** Man In The Middle Attacks: Execution and Detection
- **Supervisor:** Rasheed Hussain
- **Iteration number:** 1

2 Initial plan

- Submit the project proposal (create a plan for the project)
- **Iteration I** Study different variants of simulation platforms and set up the environment for Man In The Middle Attacks, perform some MITM attacks on simulation platforms
- **Iteration II** Continue to perform some MITM attacks on simulation platforms, study common detection and prevention techniques from Man-in-the-Middle attacks, test detection and prevention techniques on the simulation platforms
- **Iteration III** Continue to test detection and prevention techniques on the simulation platforms, study ways to bypass some of the detection and prevention techniques found earlier.
- **Iteration IV** Study ways to bypass some of the detection and prevention techniques found earlier, test ways to bypass detection on the simulation platforms
- **Iteration V** Test ways to bypass detection on the simulation platforms, start to prepare for the Internal presentation (prepare the scripts, prepare a fast way to set up the project, prepare the presentation itself)

- **Iteration VI** Finish to prepare for the Internal presentation (prepare the scripts, prepare a fast way to set up the project, prepare the presentation itself).
- Fix issues related to the remarks got during the Internal presentation, prepare project for the final Delivery(EoSP).

3 Done during the first iteration

- **task** Study different variants of simulation platforms and set up the environment for Man In The Middle Attacks, perform some MITM attacks on simulation platforms
- **hours spent** 12 hours
- **status** Done
- **results** available on github [1]

4 Current issues

- Lack of knowledge and experience in network emulation software
- Lack of documentation in network emulation software

5 Future plans

Follow the plan, do the tasks to the next iteration (Continue to perform some MITM attacks on simulation platforms, study common detection and prevention techniques from Man-in-the-Middle attacks, test detection and prevention techniques on the simulation platforms)

Hours: 12

References

- [1] *Results*. URL: https://github.com/BananaAndBread/Project/blob/master/results/Progress_report__Iteration_I__Results.pdf.