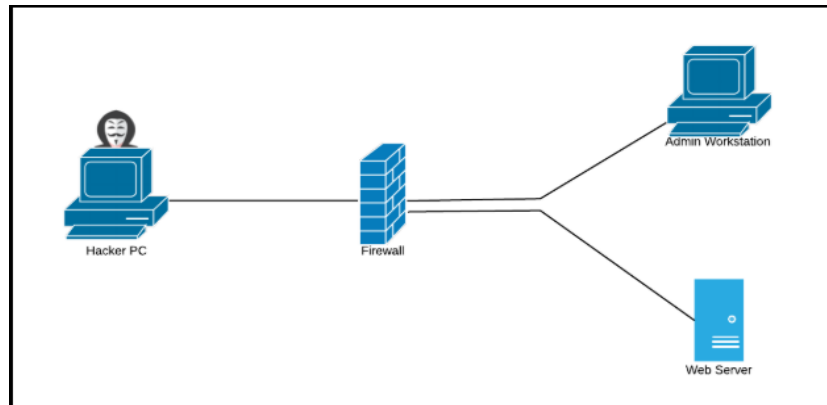# NMDF Project

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Project logo for NMDF Project   Enterprise Network Topology for NMDF Project

INTRODUCTION

The key goal of this project is to create a learning material for future cyber security students that covers an attack scenario, a post-incident investigation and forensics in an enterprise network. The students will be able to access a pre-configured network of hosts from WelTec's Netlab platform and follow along the case study from the beginning of the attack phase to the end of the analysis and report phase.

Since it is one of the first projects of this specific kind, WelTec will be able to reap the benefits of its uniqueness by creating the opportunity for students to conduct a real-world cyber-attack life cycle and incident response process

DEVELOPMENT

The project was developed in six major stages. The first phase of initiating consisted of identifying the key stakeholders, formulating the project management plan and getting the project bid approved.

A draft roadmap of the project was developed in the planning stage which guided the team to execution. Requirements were gathered from the Client and a detailed project plan was developed, and the appropriate tasks were scheduled in the Gantt chart.

The execution phase was carried out following agile-scrum methodology where each deliverable was produced in three-week sprints. The first two phases of the sprint were focussed on developing a full-fledged attack scenario. The latter sprints were focussed on forensics investigation and production of relevant walkthrough documents for the investigation to serve as a guide to the tutors and students.

The entire project was monitored and controlled using different documentation including weekly progress reports for the team, status reports for clients, project log, research log, issue log, risk register, and so on. This was done to ensure the resulting product was of the highest standard.

A final project report was submitted as a closing of the project which was complimented by a final presentation and a lesson learned report presented to the panel.

CONCLUSION

The final product of the project will be a comprehensive learning material for prospective Information Security students at Wellington Institute of Technology (WelTec). This learning material will cover a case study to align with the learning outcomes of the Information Security courses taught by Information Security lecturers at WelTec.