

Practical Project AAS

Mário Antunes

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Introduction

This document details the necessary information for the realization of the practical project for the AAS course. As stated in the beginning of the course, the practical project is worth 50% of the final grade.

The main objective of this work is to develop an application, that applies the topics discussed within the course within the privacy and security environment. Each student is encouraged to propose a topic, that may be aligned with another course project, a scholarship or the Master's Dissertation.

Five different topics are provided that serve as a baseline of what is expected (and may also be selected as final project): 1. Malware Detection (Passive): build an application capable of inferring if a specific file is suspicious of being malware or not. The application should only look into the file headers or bytes to extract features. 2. Malware Detection (Active):