

## I. IDENTIFICATION DATA

<b>Thesis name:</b>	<b>The Attacker IP Prioritizer: An IoT Optimized Blacklisting Algorithm</b>
<b>Author's name:</b>	<b>Tomas O'Hara</b>
<b>Type of thesis :</b>	Bachelor Thesis
<b>Faculty/Institute:</b>	Faculty of Electrical Engineering
<b>Department:</b>	
<b>Thesis supervisor:</b>	Sebastian Garcia
<b>Supervisor's department:</b>	Computer Science

## II. EVALUATION OF INDIVIDUAL CRITERIA

<b>Assignment</b>	<b>Challenging</b>
<i>Evaluation of thesis difficulty of assignment.</i>	
The difficulty of this thesis is very challenging. The student worked on the improvement of blacklists, which is a hot topic in the security industry and that has many unsolved problems. In particular the gathering of data was time consuming, and the comparisons.	

<b>Satisfaction of assignment</b>	<b>Fulfilled</b>
<i>Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.</i>	
The work was completely fulfilled to the expectations	

<b>Activity and independence when creating final thesis</b>	<b>A. Excellent</b>
<i>Assess that student had positive approach, time limits were met, conception was regularly consulted and was well prepared for consultations. Assess student's ability to work independently.</i>	
The student always had a very positive approach to the study, the meetings and the work. He was always ready to learn, improve, and try new approaches. The student grew in his path to work more independently.	

<b>Technical level</b>	<b>A. Excellent</b>
<i>Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.</i>	

The student used and acquired good knowledge during the studies by means a a good use of the expert literature and sources. The level of speciality is excellent.

## Formal and language level, scope of thesis

**A. Excellent**

*Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.*

The thesis uses correct format notation and has a good English.

## Selection of sources, citation correctness

**A. Excellent**

*Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.*

The student was excellent using the study materials and the sources selected. All sources were cited and correctly used in the thesis.

## Additional commentary and evaluation

*Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.*

This thesis presented the first evaluation of blacklists, which is a cornerstone of our security industry. The student proposed and implemented several new models for the creation of blacklists and showed the first comprehensive evaluation of available blacklists. The student showed discipline and good research skills.

### III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

I evaluate handed thesis with classification grade **A**

Date: **June, 06th, 2021**

Signature: