

## I. IDENTIFICATION DATA

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|------------------------|--------------------------------------------|
| Thesis name:           | Implementation security intelligence cache |
| Author's name:         | Petr Jordán                                |
| Type of thesis :       | <input type="text"/>                       |
| Faculty/Institute:     | <input type="text"/>                       |
| Department:            | Department of Computer Science             |
| Thesis reviewer:       | Ing. Tomáš Dvořák                          |
| Reviewer's department: |                                            |

## II. EVALUATION OF INDIVIDUAL CRITERIA

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| <b>Assignment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="text"/> |
| <i>Evaluation of thesis difficulty of assignment.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| <p>The goal of the thesis is to analyze the a real-world problem in a security area, gather specific requirements from people working in that area, design a software solution that meets all criteria and finally to implement and deploy the solution. One challenging aspect of the thesis is the right choice of the technology stack that includes database, backend processing engine, service layer and integration with external systems. From the practical point of view the most challenging thing is to deliver a working software system including user and administrator documentation that will be used on daily basis.</p> |                      |

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| <b>Satisfaction of assignment</b>                                                                                                                                                                                                                                                                                                                       | <input type="text"/> |
| <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>                                                                                                                                                                        |                      |
| <ul style="list-style-type: none"> <li>+ The thesis describes very well the requirements, use-cases and acceptance criteria of the system.</li> <li>+ The software project is well covered with automated tests which were designed with respect to the use-cases.</li> <li>+ The implemented system meets the required acceptance criteria.</li> </ul> |                      |

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| <b>Method of conception</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <input type="text"/> |
| <i>Assess that student has chosen correct approach or solution methods.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |
| <ul style="list-style-type: none"> <li>+ The database technologies and frameworks considered in the thesis map well main applicable approaches in these areas.</li> <li>+ Especially the database evaluation and selection is done well.</li> <li>- There should be a chapter describing all security aspects of the solution, instead this is mixed in other chapters.</li> <li>- pages 16,17: Client-server communication should be described more systematically, e.g. describe all endpoints, describe all parameters, describe error-handling.</li> <li>- page 26: The performance estimate is based on some measurement, the exact measured values should be listed.</li> </ul> |                      |

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| <b>Technical level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <input type="text"/> |
| <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>                                                                                                                                                                                                                                                                                                                                                                  |                      |
| <ul style="list-style-type: none"> <li>+ The technical level of the whole solution is high, there are only few minor inaccuracies.</li> <li>- page 15: Incorrect statement, java configuration classes became an alternative to XML Spring configuration in 2009 while first Spring-Boot version was released in 2013.</li> <li>- page 17: "LDAP provides access to Cisco's users credentials" is not an accurate statement, instead it should probably say "LDAP validates Cisco's users credentials".</li> </ul> |                      |

**Formal and language level, scope of thesis**

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

- The main thesis imperfection is the grammar, e.g. page 3: "The results contains ... This results help ...", page 4: "... caching is not a prioritize ..."

**Selection of sources, citation correctness**

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 sources used by the student are relevant. I did not found any violations in citations.

**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.

+ The implemented system works helps people in their daily work.

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

Summarize thesis aspects that swayed your final evaluation. Please present apt questions which student should answer during defense.

I evaluate handed thesis with classification grade

Date:

Signature: