Supervisor's statement of a final thesis

Czech Technical University in Prague   **Faculty of Information Technology**

Student:	Bc. Ondřej Šejvl
Supervisor:	Ing. Jan Baier
Thesis title:	Suitability analysis of Kubernetes for Seznam.cz
Branch of the study:	Web and Software Engineering

Date: 5. 6. 2016

Evaluation criterion:	The evaluation scale: 1 to 5.
1. Difficulty and other comments on the assignment	1 = *extremely challenging assignment,* 2 = *rather difficult assignment,* **3 = *assignment of average difficulty,*** 4 = *easier, but still sufficient assignment,* 5 = *insufficient assignment*

Criteria description:
Characterize this final thesis in detail and its relationships to previous or current projects. Comment what is difficult about this thesis (in case of a more difficult thesis, you may overlook some shortcomings that you would not in case of an easy assignment, and on the contrary, with an easy assignment those shortcomings should be evaluated more strictly.)

Comments:
This thesis focuses on current problems in cloud computing. This field is not yet covered well.

Evaluation criterion:	The evaluation scale: 1 to 4.
2. Fulfilment of the assignment	***1 = assignment fulfilled,*** 2 = *assignment fulfilled with minor objections,* 3 = *assignment fulfilled with major objections,* 4 = *assignment not fulfilled*

Criteria description:
Assess whether the thesis meets the assignment statement. In Comments indicate parts of the assignment that have not been fulfilled, completely or partially, or extensions of the thesis beyond the original assignment. If the assignment was not completely fulfilled, try to assess the importance, impact, and possibly also the reason of the insufficiencies.

Comments:
The assignment is fulfilled.

Evaluation criterion:	The evaluation scale: 1 to 4.
3. Size of the main written part	***1 = meets the criteria,*** 2 = *meets the criteria with minor objections,* 3 = *meets the criteria with major objections,* 4 = *does not meet the criteria*

Criteria description:
Evaluate the adequacy of the extent of the final thesis, considering its content and the size of the written part, i.e. that all parts of the thesis are rich on information and the text does not contain unnecessary parts.

Comments:
The thesis meets the criteria.

Evaluation criterion:	The evaluation scale: 0 to 100 points (grade A to F).
4. Factual and logical level of the thesis	*90 (A)*

Criteria description:
Assess whether the thesis is correct as to the facts or if there are factual errors and inaccuracies. Evaluate further the logical structure of the thesis, links among the chapters, and the comprehensibility of the text for a reader.

Comments:
All presented statements seems correct to me. The author submits a nice overview of possible problems and consequently shows possible solution. The text is readable and understandable, even for a beginner in the cloud computing.

Evaluation criterion:	The evaluation scale: 0 to 100 points (grade A to F).
5. Formal level of the thesis	*85 (B)*

Criteria description:
Assess the correctness of formalisms used in the thesis, the typographical and linguistic aspect s, see Dean's Directive No. 12/2014, Article 3.

Comments:
The formal level of this thesis is adequate. The typography is on good level.

Evaluation criterion:	The evaluation scale: 0 to 100 points (grade A to F).
6. Bibliography	*80 (B)*

Criteria description:
Evaluate the student's activity in acquisition and use of studying materials in his thesis. Characterize the choice of the sources. Discuss whether the student used all relevant sources, or whether he tried to solve problems that were already solved. Verify that all elements taken from other sources are properly differentiated from his own results and contributions. Comment if there was a possible violation of the citation ethics and if the bibliographical references are complete and in compliance with citation standards.

Comments:
There is a lot of references in this thesis. The majority of them are online. This is understandable due to essence of the assignment topic.

Evaluation criterion:	The evaluation scale: 0 to 100 points (grade A to F).
7. Evaluation of results, publication outputs and awards	90 (A)

Criteria description:
Comment on the achieved level of major results of the thesis and indicate whether the main results of the thesis extend published state-of-the-art results and/or bring completely new findings. Assess the quality and functionality of hardware or software solutions. Alternatively, evaluate whether the software or source code that was not created by the student himself was used in accordance with the license terms and copyright. Comment on possible publication output or awards related to the thesis.

Comments:
There is a thorough analysis of using new technologies in the cloud computing environment which can answer on many questions during deployment in any company.

Evaluation criterion:	No evaluation scale.
8. Applicability of the results	

Criteria description:
Indicate the potential of using the results of the thesis in practice.

Comments:
The thesis can be directly used. Nowadays, there is a lack of such documents.

Evaluation criterion:	The evaluation scale: 1 to 5.
9. Activity and self-reliance of the student	9a: **_1 = excellent activity,_** 2 = very good activity, 3 = average activity, 4 = weaker, but still sufficient activity, 5 = insufficient activity 9b: **_1 = excellent self-reliance,_** 2 = very good self-reliance, 3 = average self-reliance, 4 = weaker, but still sufficient self-reliance, 5 = insufficient self-reliance.

Criteria description:
Review student's activity while working on this final thesis, student's punctuality when meeting the deadlines and consulting continuously and also, student's preparedness for these consultations. Furthermore, review student's independency.

Comments:
The student shows excellent activity and work independently.

Evaluation criterion:	The evaluation scale: 0 to 100 points (grade A to F).
10. The overall evaluation	95 (A)

Criteria description:
Summarize the parts of the thesis that had major impact on your evaluation. The overall evaluation **does not** have to be the arithmetic mean or any other formula with the values from the previous evaluation criteria 1 to 9.

Comments:
The thesis provides a great overview of currently used technologies in the cloud computing and will be, together with the provided tools, used by the community as well.

Signature of the supervisor: