

## I. IDENTIFICATION DATA

<b>Thesis name:</b>	<b>Privacy for Secure Distributed Storage Networks</b>
<b>Author's name:</b>	<b>Enio Marku</b>
<b>Type of thesis :</b>	master
<b>Faculty/Institute:</b>	Faculty of Electrical Engineering (FEE)
<b>Department:</b>	Dept. of Telecommunication Engineering
<b>Thesis supervisor:</b>	Ing. Tomáš Vaněk, Ph.D.
<b>Supervisor's department:</b>	Dept. of Telecommunication Engineering

## II. EVALUATION OF INDIVIDUAL CRITERIA

<b>Assignment</b>	<b>challenging</b>
<i>Evaluation of thesis difficulty of assignment.</i>	
The issue of privacy preserving in cloud services is very up-to-date while still in the same time underestimated. I consider the assignment as a challenging because Mr. Marku had to learn not only about the mathematical tools and comprehensive cryptographic protocols, but also address practical issues regarded with the implementation, deployment and testing of the final software solution not only in some testing environment but in real the enterprise cloud environment.	

<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>	
Student completely fulfilled the assignment of his diploma thesis.	

<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>	
I was very satisfied with Mr. Marku's work. He spent a lot of time working on the diploma thesis, he was very proactive and for the regular meetings he was always well prepared.	

<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 thesis has a good overall professional level. Mr. Marku designed and developed a PIR protocol based on Shamir Secret Sharing concept suitable for the cloud environment. Functionality of the solution was verified on multi node cluster in Amazon EC2 environment.	

<b>Formal and language level, scope of thesis</b>	<b>B - very good.</b>
<i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i>	
Formal level of thesis is high. There are only minimum typos or grammar mistakes (e.g. page 64 - instead of "The average <b>time</b> of this communication is 1.2Mb/s. " should be " The average <b>speed</b> of ...").	

<b>Selection of sources, citation correctness</b>	<b>B - very good.</b>
<i>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.</i>	
Student adequately distinguishes his own text from the cited text. For most of the online resources the links to citations are not made according to ISO960 (e.g. missing keyword [online] or missing the date when the document was cited)	

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

Student completely fulfilled the assignment of his thesis. Beyond the assignment he verified the functionality of the proposed protocol in the Amazon Cloud environment.

I evaluate handed thesis with classification grade **A - excellent**.

Date: **23.1.2017**

Signature: