Supervisor assessment of Master's Thesis

Student: Malina Peter, Bc.

Title: Kubernetes Canary Deployment Controller (id 21857)

Supervisor: Rychlý Marek, RNDr., Ph.D., UIFS FIT VUT

1. Assignment comments
The goal of the thesis was to develop a controller and operators to fully automate canary deployment in Kubernetes platform. Seamless deployment of canaries and routing related traffic by network policy enforcement including metric collection was the most challenging part of this thesis. I consider the thesis topic to have higher than average difficulty and its results to be excellent.

2. Literature usage
The author proved his ability to seek relevant resources, to gather knowledge and to require and process feedback from other experts (e.g., Google engineers, etc.).

3. Assignment activity, consultation, communication
The topic of the thesis was proposed by the student and he worked independently and intensively on its solution throughout the academic year. All established milestones were reached in time in accordance with our agreements.

4. Assignment finalisation
The thesis was finished well in advance and its final content was consulted sufficiently.

5. Publications, awards
There are no publications and awards, however, the work and its results were discussed with independent subject matter experts and verified in a real-world use case.

6. Total assessment   excellent (A)
The student showed exceptional effort over the past two semesters, and also independence and creative thinking. I consider this thesis to be **excellent (A)**.

In Brno 6. June 2019

Rychlý Marek, RNDr., Ph.D.
supervisor