

## Supervisor assessment of Master's Thesis

**Student:** Vasiljević Nemanja, Bc.

**Title:** Monitoring the OpenStack Swift Object Store Using Beanstalk Events (id 23587)

**Supervisor:** Rychlý Marek, RNDr., Ph.D., DIFS FIT BUT

### 1. Assignment comments

The goal of the thesis was to design and implement a service for monitoring and reporting events in an OpenStack Swift object storage in the same way as these events are reported in OpenIO SDS and thus, to increase compatibility of these two object storage solutions. The assignment required the ability to thoroughly understand internals of both object storage systems. In my opinion, all objectives have been achieved and in some aspects, the thesis goes beyond the requirements in the assignment, e.g., an advanced filtering of the events was designed and successfully implemented.

### 2. Literature usage

The student independently searched and studied the relevant literature.

### 3. Assignment activity, consultation, communication

The student was very active and consulted his progress frequently and regularly with the supervisor. All agreed milestones have been achieved and deadlines were always met.

### 4. Assignment finalisation

Both the thesis and the software product were finished in time. Moreover, additional improvements and features were implemented before the submission. The final result was approved by the supervisor.

### 5. Publications, awards

The work-in-progress paper was published at the Excel@FIT student conference. The resulting software product has been published as an open-source.

### 6. Total assessment

**excellent (A)**

Based on the overall activity of the student, which I consider to be highly above the average, the thesis should be graded as **excellent (A)**.

In Brno 1 June 2022

Rychlý Marek, RNDr., Ph.D.  
supervisor