Semester Project – Assessment Criteria
Winter term 2024

1 Project Organization

The examination in the master course **Cloud Computing** will be a group project over the course of the semester. You need to form groups of **4-5 people** and work on the milestones outlined in this document.

2 Assessment

The milestones contain theoretical tasks (milestone 1 and 2) and a practical task (milestone 3). The quality of milestone 1 and 2 will be assessed under the following criteria:

- Factual Correctness of the results
- Actuality of the results
- Methodology of work
- Creativity of the work
- Thoroughness of Explanation and Argumentation

Always mark your individual contribution to the projects! Otherwise there will be no grading of your contribution!

3 Milestones

There are three milestones on the project:

1. Milestone – Technical transformation on premise
2. Milestone – Cloud transformation on premise and public
3. Milestone – Implementation of cloud transformation scenario

The dates for the submission and presentation of your milestones will be announced in the corresponding milestone sheet! The last milestone will be the submission of your **final report** and your **final presentation** at the end of the semester!

Milestone 1 – Technical transformation on premise

Task: You are asked to make a technical transformation for a given problem!
Result: Presentation 10 minutes!

Milestone 2 – Cloud transformation on premise and public

Task: You are asked to make a cloud transformation for an application landscape!
Result: Presentation 15 minutes!

Milestone 3 – Implementation of cloud transformation scenario

Task: You are asked to implement a scenario from your cloud transformation and use the technologies and tasks from the description!
Result: Written final report of 25-30 pages, presentation 30 minutes, live demo of implementation!

4 Focal points

For **Milestone 1 and 2** focus on the methodology used and on the sources for your information. Make critical assessments of your own solutions and focus on the validity of your point in proposals! For **Milestone 2** state the criteria used for the choice of platform and technology.

For **Milestone 3** focus on the **cloud technologies** used! The grade does not depend on the application itself but on the right choice of **runtime, framework, cloud services** and **architecture**! It <u>should not</u> contain bugs!

5 Grading

The grades are calculated as follows:

1. Milestone – **25% of the grade**

2. Milestone – **25% of the grade**

3. Milestone – **50% of the grade**