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Fog Computing

Bermbach | Wrap-up

Agenda

Lectures (ca. April 20 to June 6)

From Cloud to Fog Computing	Data Distribution	Data Management	Platforms & Applications	Testing & Benchmarking	LEO Edge Computing

Assignments (ca. May 30 to July 18)

Prototyping Assignment	Reading Assignment

Wrap-up (ca. July 18 & August 1)

Q&A	Final Test

Portfolio Exam

	Name	Points	Categorie	Duration/Extent
☑	(Deliverable assessment) Prototyping results	25	practical	ca. 4 weeks
☑	(Deliverable assessment) Reading assignment	20	practical	ca. 4 weeks
☑	(Deliverable assessment) Short peer review	5	practical	ca. 1 week
☐	(Examination) Final test	50	flexible	see below (written max. 60 min, oral ca. 15 minutes)

What we talked about

- How the cloud is evolving into the fog
- How to distribute data for fog applications, esp. using pub/sub
- How to replicate and store data of fog applications
- How to build fog applications, incl. design best practices and FaaS platforms
- How to benchmark and test fog systems
- How LEO edge defers from terrestrial edge

Test organization

Time & place:
- Aug 1, 2023 (Tue), starting at 11.30h (also check for announcements)
- Duration ca. 1h
- H 1058

Bring with you:
- Your student ID (or another ID with your photo on it)
- Document-proof blue or black pens (no pencil, nothing erasable, no green or red)
- Maybe: something to drink, a light jacket

If you fall sick, let us know asap.

2nd test date

Time & place:
- Oct 9, 2023 (Mon), starting at 14.00h (also check for announcements)
- Duration ca. 1h
- (probably) EN 152

If you select the first test date, you can use the second test date for a repeat attempt.

If you select the second test date (and do not participate on the first date), we cannot offer you a repeat attempt for the examination this semester.

About the test

- All lecture blocks are covered
- Focus on understanding and less on memorization
- Portfolio points = min{test points; 50}
- 1 min = 1 test point
- Use the reading time
- Read the instructions carefully:
    - One means one, two means two
    - Describe/discuss/explain = write a few sentences, not bullets
- We only grade what we can read
- All answers have to be in English