Distributed Systems About

Prof. Dr. Oliver Hahm

Frankfurt University of Applied Sciences
Faculty 2: Computer Science and Engineering
oliver.hahm@fb2.fra-uas.de
https://teaching.dahahm.de

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Agenda

Get to Know

Organizational

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Interaction in this Lecture

- Participate lively
- Ask questions!
- A key attribute for science is scepticism
- Communicate problems early



"Education is a dialogue not a one way monologue" 1

¹JNICSR Times, http://jnicsrtimes.com/?p=1476

Prof. Dr. Oliver Hahm



- Study of Computer Science at Freie Universität Berlin
- Software Developer for ScatterWeb and Zühlke Engineering
- Research on IoT and Operating Systems

Contact

E-mail: oliver.hahm@fb2.fra-uas.de

Office: room 1-212

Get to Know

Who are you?

Who are you?

What is your preferred programming language?

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 What is your favorite
 operating system?

Who are you?

- What is your preferred programming language? What is your favorite
 - operating system?
 - Which instant messenger do you use?

Get to Know

What do you think about Distributed Systems?

What do you think about Distributed Systems?

Have you ever developed a distributed program?

What do you think about Distributed Systems?

- Have you ever developed a distributed program? Have you ever used a
 - distributed system?

Agenda

Get to Know

Organizational

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- Lecture: Monday 14:00 15:45, room 1-130
 Tuesday 11:45 13:15, room 1-130
- Exercises
 - Tuesday 16:00 17:30, room 1-248
 - Wednesday 10:00 11:30, room 1-248
- Written exam

campUAS

Enrolment Key: HahmDisSys

Organizational

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campUAS

Enrolment Key: HahmDisSys

Please note!

- Group assignment happened via campUAS
- Limited room capacity

Further Information

Course page

All material regarding this course can be found at https://teaching.dahahm.de

This includes

- Announcements
- Slides
- Exercises

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Do not ask!

Everything is relevant for the exam.





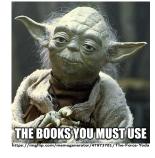


"Piled Higher and Deeper" by Jorge Cham

Slides

- The creation of the slide sets is work in progress
- They cover all topics of the lecture
- BUT they are no book and, hence, do not comprise
 - all details
 - all derivations
 - all thoughts and discussions which are part of the lecture and exercises

- ⇒ participate
- ⇒ ask questions
- ⇒ take notes
- ⇒ do your own research (e.g., use the books)



- Submit a solution for n-1 exercise sheets
- Individual submissions
- Submission for all participants at fixed date
- At least 50% of the points are required to pass
- Code quality matters!

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 - Recap your understanding
 - Understand the practical implications of the topics



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- At least 50% of the points are required to pass
- Code quality matters!
- Why?
 - Recap your understanding
 - Understand the practical implications of the topics
 - Hands-on experience is irreplaceable



Examination





Written exam

- 90 minutes
- 50% of the points are necessary to pass the exam

In order to pass the exam, you should be able to ...

- explain main concepts and ideas with your own words,
- select a suitable solution for a given problem,
- analyze a given solution and detect (potential) problems, and
- explain your answers.

Literature

- Andrew Tanenbaum, Maarten Van Steen: "Distributed Systems – Principles and Paradigms", 2nd Ed., Pearson, 2007.
- George Coulouris et al.: "Distributed Systems – Concepts and Design", 5th Ed., Pearson, 2012.





Summary

Summary

- At the end of each chapter the last slide summarizes the most important take-away messages
- Now is a good moment to recapitulate whether there are any open questions
- When preparing for the exam these summaries can help you