

Große Übung Computer Networks

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1: Announcements / Orga

Communication

- consultation hours: On appointment via e-mail
- mailing list: inter-student discussions, announcements

Exam

- German XOR English
- old exams available
- relevant topics: everything of lecture AND
übung

Exam Relevance

- the slides + the lecture define the relevant material
- most certainly, they are not enough for understanding
- **THUS: auxiliary reading is REQUIRED**

Übung

- weekly exercise sheet (Friday to Friday)
- interactively solved in Übung
- solutions will not be available
- THUS: attendance is a wise thing to do
- BETTER: prepare and ask

Knowledge Acquisition so far...

Chapter 1: some Questions

1. What is a Computer Network
 - a. as opposed to a BUS?
 - b. as opposed to a Terminal Network?
2. What groups of standardization organizations exist?
3. Why is standardization especially relevant for Computer Networks?
4. How and why can a communication system be structured into layers?
5. Draw and label a picture of three nodes running an ISO/OSI stack (a-b-c) and fully explain the consequences of an e-mail sent from a to c!
6. Explain the following words: layer, protocol, service, service primitive!
7. Draw and label of an ISO/OSI stack side-by-side to a TCP/IP stack such that corresponding layers are on the same level. Describe similarities and difference.
8. Discuss the differences between OSI and IP, both of the reference model and the actual protocols.

Chapter 1: Literature

- Tanenbaum Chapter 1.3, 1.4
- You are not required to „learn“ stuff not contained in the lecture. The reading is rather to understand the lecture.