



OST

Eastern Switzerland
University of Applied Sciences

Distributed Systems & Blockchain (DS1)

Admin

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Nr	Date	Vorlesung*	Suggested Milestone
01	23.02.2021	Admin / Introduction	Group forming, idea for services
02	02.03.2021	Protocols, Basics	Group forming, idea for services
03	09.03.2021	Containers and VMs	Information flow, setup dev environment
04	16.03.2021	Distributed Applications: load balancing	Load balancer working
05	23.03.2021	Authorization (basic, digest, session-based, JWT, OAuth)	JWT Authorization
06	30.03.2021	Application Protocols and RPC	Storage backend ready
07	-	Easter Vacations	
08	13.04.2021	Distributed Applications: git	
09	20.04.2021	Deployment I, Blockchain, Bitcoin I	
10	27.04.2021	Deployment II, Blockchain, Bitcoin II	Frontend ready
11	04.05.2021	Blockchain, Bitcoin, Ethereum III	Connecting everything
12	11.05.2021	Real-world examples	Testing, testing, testing
13	18.05.2021	Challenge Task Presentations I	
14	25.05.2021	Challenge Task Presentations II	
15	01.06.2021	Challenge Task Award Winner Announcement, Q&A	

* topics may change



Admin

- Post-processing lecture is highly recommended
 - <https://www.youtube.com/watch?v=bBC-nXj3Ng4>
- Q-Feedback
 - <https://qfeedback.hsr.ch/q-feedback/login>
- Exam Preparation
 - PDF online
- Regular hand-in
 - 17.05.2021, 23:59 (CET)
- Hand-in:
 - Repo source code, or access to gitlab/github
 - Powerpoint or PDF
 - Goal / motivation / idea
 - Software design / architecture
 - Implementation / libraries, frameworks
 - Requirements fulfilled
 - If you send code via email, send to thomas.ost@bocek.ch (OST mail filter)
- Requirements: load balancing, scaling, JWT, dockerized, latest libraries

Schedule, 35min each group max

- https://doodle.com/poll/xxhza2asrgk7gf3h?utm_source=poll&utm_medium=link

- 23 groups, 30 slots, 35min slots

• 18.05.2021

- 13:10 – 13:45: slot 1
- 13:45 – 14:20: slot 2
- 14:20 – 14:55: slot 3
- 14:55 – 15:30: slot 4
- 15:30 – 16:05: slot 5
- 16:05 – 16:40: slot 6

• 19.05.2021

- 10:10 – 10:45: slot 7
- 10:45 – 11:20: slot 8
- 11:20 – 11:55: slot 9
- 13:10 – 13:45: slot 10
- 13:45 – 14:20: slot 11
- 14:20 – 14:55: slot 12
- 14:55 – 15:30: slot 13
- 15:30 – 16:05: slot 14
- 16:05 – 16:40: slot 15

• 25.05.2021

- 13:10 – 13:45: slot 16
- 13:45 – 14:20: slot 17
- 14:20 – 14:55: slot 18
- 14:55 – 15:30: slot 19
- 15:30 – 16:05: slot 20
- 16:05 – 16:40: slot 21

• 26.05.2021

- 10:10 – 10:45: slot 22
- 10:45 – 11:20: slot 23
- 11:20 – 11:55: slot 24
- 13:10 – 13:45: slot 25
- 13:45 – 14:20: slot 26
- 14:20 – 14:55: slot 27
- 14:55 – 15:30: slot 28
- 15:30 – 16:05: slot 29
- 16:05 – 16:40: slot 30