
Exercise 1



TECHNISCHE
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Concepts and Technologies for Distributed Systems and Big Data Processing – SS 2017

Task 1

Read the paper by Cavage [1]. The paper provides an overview over the challenges when developing a distributed system using a concrete example of an image-resizing service. You can find the paper at <https://queue.acm.org/detail.cfm?id=2482856>

Answer the following questions:

- a) What are the quality of service (QoS) requirements for the system?
- b) Which type of middleware is used for the communication within the system?
- c) The paper provides a short discussion of validation/testing. Complementing what is already presented in the paper, what approach would you take to test or validate the distributed system?

References

- [1] Mark Cavage. There's just no getting around it: You're building a distributed system. *Queue*, 11(4):30:30–30:41, April 2013. ISSN 1542-7730.