Feedback on Assignment 2.2

ELEC-E7320 Internet Protocols 2019

A"
**Aalto University
School of Electrical
Engineering**

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Scores (Assignment 2)

- **48 submissions**

Scores	#students
12	0
11	10
10	11
9	13
8	9
7	3
< 7	2

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Assignment Description

Analyze the design of MQTT from scalability perspective, and use experimental results to support the analysis. In practice, you can consider increasing the number of **subscribers**, **publishers**, and **brokers**, and compare the performance (e.g. **delay, data loss, computational overhead**) among different scenarios. Prepare 4-6 slides to report your results. The slides should cover test cases, experimental results and conclusions.

Evaluation Criteria

Topic (weight)	Unacceptable (0)	Acceptable (1)	Exceptional (2)
Experiment design (1)	Little or no grasp of problem. Incapable of developing proper test cases.	Some understanding of the selected features. Major deficiencies of test cases that may impact the analysis results.	Overall sound understanding of the selected features. Test cases are well-designed and sufficient to identify the impact of different protocol design from the experiment results.
Protocol analysis (2)	Experiments results are lacking.	Experiments are properly conducted and measurements are compared between test cases.	Use experimental results to evaluate the protocol design. Explain why it works in some cases and not in the other cases for example.
Experiment (1)	Experiments are not repeated. Lack of statistics of measurements.	Experiments are repeated and statistics of measurement are provided.	

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Common Issues

- Experiments were not repeated. No statistics were provided.

- The number of different test cases is limited. For example, to evaluate how the performance varies with #publishers and #subscribers, you'd better test at least 4 different numbers of publishers.

- Computational overhead was not measured. The hardware used for experiment was not mentioned.

- #broker vs. performance was not studied