

Lecture 7: Evaluating software architecture 2

Purpose and motivation

The purpose of this lecture is to continue the discussion on how architectures can be evaluated, now from an empirical point of view. We do this by discussing what experiments is in a software context and how they can be used to evaluate software architectures.

Furthermore we will continue the work with the exercises.

Before Class

- Read the literature
- Review the exercises from last lecture and prepare to ask any questions you may have

Reading

Read the following before class:

- Experimentation in Software Engineering^[1], ch. 2.4, 3, 6, 7, 8, 9]

(Find the material at the [library](#), on itslearning, or in online databases.

In class

Lecture

1. Follow-up on last week's exercise
2. Evaluating software architectures - II
3. Exercises

Exercises

1. Designing and execuring a software experiment exercise

References

- [1] Claes Wohlin et al. *Experimentation in software engineering*. Vol. 9783642290. 2012, pp. 1–236. ISBN: 9783642290442.