COMPUTER SCIENCE
DATAVETENSKAP

Implementation and Performance Analysis of a Graph-Based Architecture Analysis Technique

Description: The software engineering group develops and evaluates techniques for analyzing whether the source code of a system is consistent with the architecture of the system. From a theoretic perspective, many of such techniques can be treated as checking whether a graph-like structure fulfills certain properties, such as not containing cycles. In this thesis, we would like to implement an exemplary analysis technique based on neo4j, a graph database system, and evaluate its performance.

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