Static Analysis of Java Enterprise Applications: Frameworks and Caches, the Elephants in the Room

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Reading 23.01.2024 Korostinskiy Roman

Paper Meta Data

Conference: PLDI (Programming Language Design and Implementation)

Keywords: static analysis, points-to analysis, Java EE

Year: 2020

Number of Authors: 6

Citations: 16

Pages: 14

References: 33

What is the study about?

Problem: modern Java static analysis frameworks can’t handle complex (in terms of both size and dynamic patterns) enterprise applications.

What did the authors do?

- Created framework **JackEE** for analyzing Java Enterprise applications.
  - This framework is based on open-source **Doop** analysis framework.
- Evaluated (completeness, performance, precision) and compared the results with other frameworks

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Feedback

- **Problem statement:** Clear problem statement.
- **Innovation:** New approach in program analysis(?)
- **Contributions:** JackEE tool, Evaluation of analysis framework on real-world applications.
- **Logical correctness:** Good.
- **Proof of statements:** Only 2 frameworks were in the comparison.
- **Readability:** There are many specific terms. Evaluation.