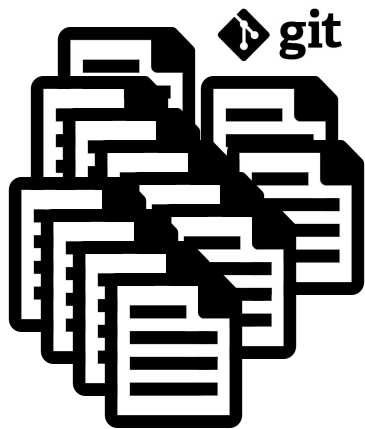# symfinder: A Toolchain for the Identification and Visualization of Object-Oriented Variability Implementations
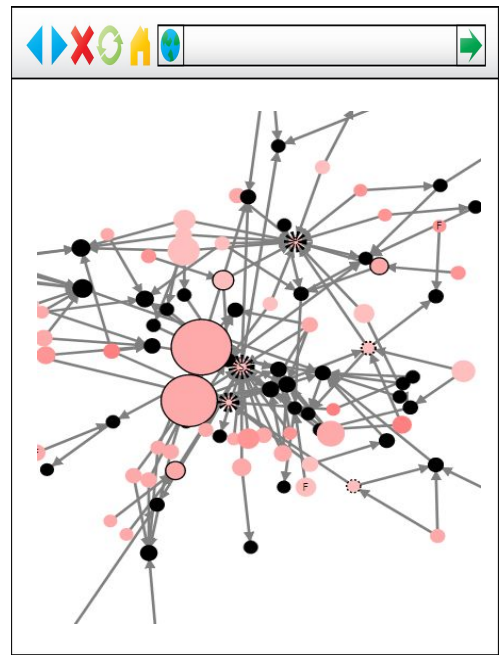
Johann Mortara – Xhevahire Tërnava – Philippe Collet

SPLC '19

Paris – September 12, 2019

Graph DB

neo4j

storing/ querying

Dockerized

fetching/parsing

SYMFINDER

Automatic identification of symmetries

generating

Variability-rich OO (Java) system in a <u>single</u> code base

method overloading

constructor overloading

inheritance

factory

strategy

Shape

Extends

symmetry

Rectangle

Interactive visualization of variation points

– FUNDATIONS OF THE SYMFINDER TOOL PRESENTED THIS AFTERNOON IN SESSION S9 –

symfinder: A Toolchain for the Identification and Visualization of Object-Oriented Variability Implementations
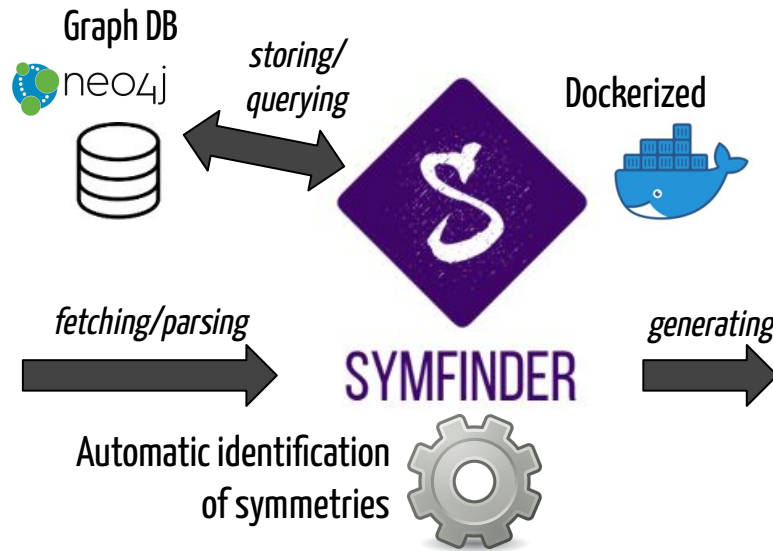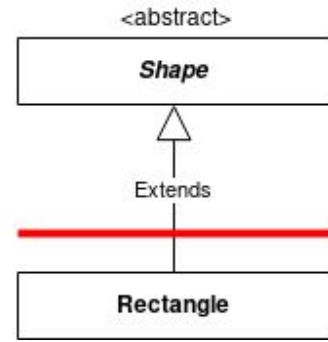
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symfinder website:
https://deathstar3.github.io/symfinder-demo/

Live demo page:
https://deathstar3.github.io/symfinder-demo/splc2019-tool/

GitHub repository to get symfinder:
https://github.com/DeathStar3/symfinder

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