

Deep AQAtik Project

Intro & Motivation

- Intelligently analyze test failure and match with possible known issues on GitHub.
- Explore and experiment AI pipeline for future projects.

OpenJDK

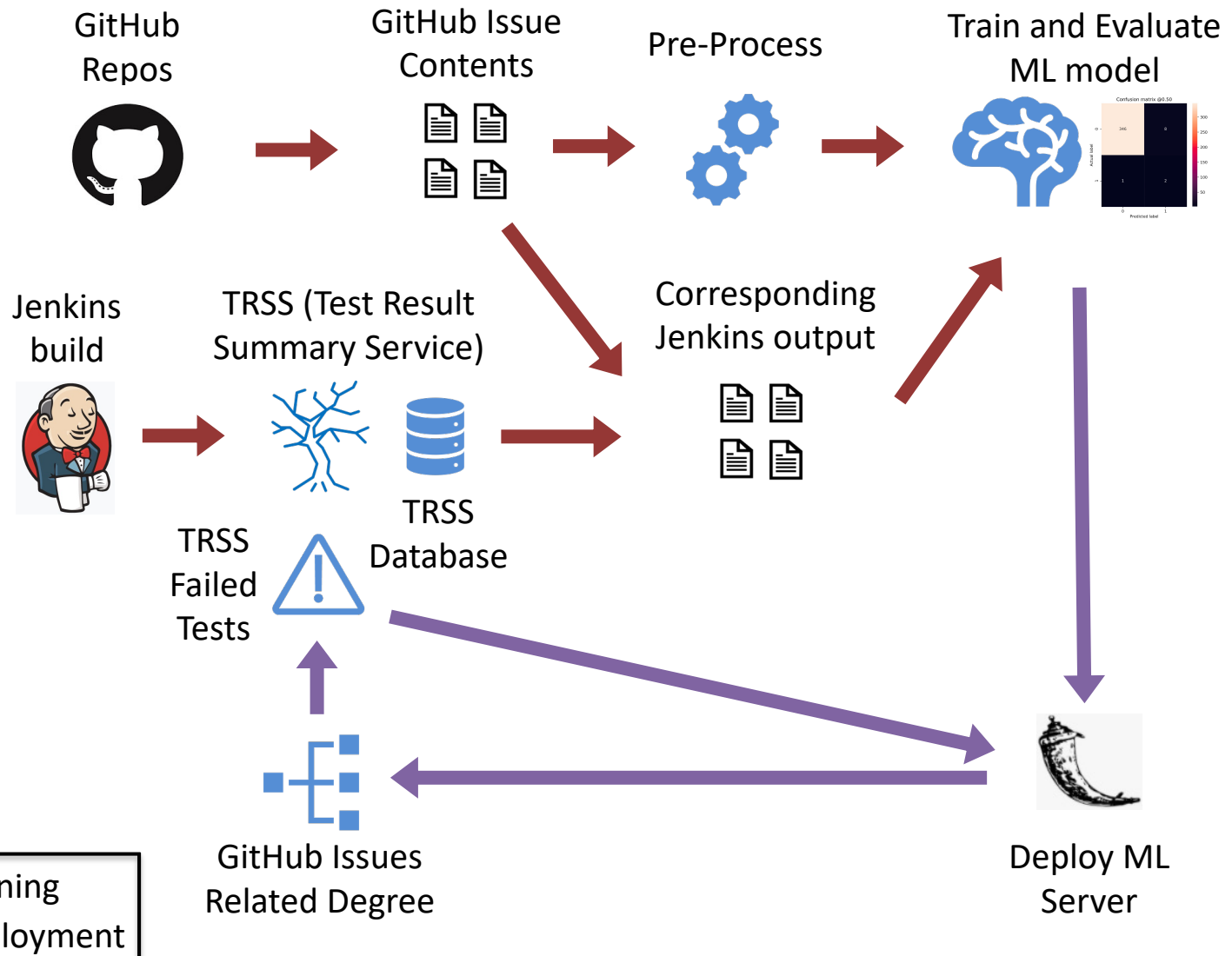
Test Results Summary Service

openjdk16-pipeline #345 / jdk16u-linux-x64-openj9 #14 / Test_openjdk16_j9_extended.functional_x86-64_linux #58 / testOSMXBeanLocal_0

eclipse/openj9

Possible Issues	Related Degree
AssertionError with testOSMXBeanLocal	High
extended.functional_x86-32_windows testOSMXBean* getTotalSwapSpaceSize() API returned -1	Medium
OpenJ9DiagnosticsMXBean and other mxbean testing is not running	Medium

Deep AQAtik Architecture



Demo Current Progress

- Initial prototype
- ML server deployment with Flask
- Data collection pipeline for GitHub issues

Future Works

- Data pre-processing for GitHub issues.
- Corresponding Jenkins output collection.
- ML/DL model optimization.
- Add user feedback button to collect feedback.
- Increase pipeline automation, such as triggering ml training automatically if new GitHub issue is created.
- Other ideas listed here:
<https://github.com/adoptium/aqa-test-tools/issues/412>

Thanks for Watching!