

REVaMP² VEXA

Variability Extraction and Analysis Toolkit
FZI Forschungszentrum Informatik

Main Features

VEXA

- Collection of extraction and analysis procedures/functions for
 - Variability extraction
 - Feature analysis
 - Code metrics generation
 - Exploratory code dependency analyses
- VEXA is a plugin for the Neo4j Graph Database
 - Runtime environment: server or standalone application
 - Supported OS: Windows, Linux
- Tool integration
 - VEXA functionality can be called from all Neo4j Drivers
 - Supported languages: .NET, Java, JavaScript, Python, Go, Ruby, PHP, R, Erlang/Elixir, C/C++, Clojure, Perl, Haskell
 - Binary protocol (Bolt)
 - REST API (Neo4j HTTP-API)
 - E.g., integration with FeDeV via the Bolt protocol

- Custom code metric generation with VEXA



Case Study: ERIKA Enterprise is a Real-Time Operating System (RTOS)

<https://github.com/evidence/erika3>

▪ Partners involved

- FZI Forschungszentrum Informatik, Germany
- ScopeSET, Germany

▪ Contact Information

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▪ Download

- Currently not open source
- Demo on request



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ScopeSET
The Tools Experts