









Main Features **VEXA**



- Collection of extraction and analysis procedures/functions for
 - Variability extraction
 - Feature (effect) analysis
 - Nadi, S., Berger, T., Kastner, C., & Czarnecki, K. (2015). Where Do Configuration Constraints Stem From? An Extraction Approach and an Empirical Study. IEEE Transactions on Software Engineering, 41(8), 820–841. https://doi.org/10.1109/TSE.2015.2415793
 - 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 procotol



Use Case VEXA



Feature effect analysis with VEXA



Case study:

IWIP (lightweight IP) is a widely used open-source TCP/IP stack designed for embedded systems

https://git.savannah.nongnu.org/cgit/lwip.git



Partners and Contact Details

VEXA



Partners involved

- FZI Forschungszentrum Informatik, Germany
- ScopeSET, Germany



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Download

- Currently not open source
- Demo on request



