



Graal Inspect

Web Application

Inspecting Debug Information Provided By The Graal VM

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Graal [1] is an effort to create a new just-in-time compiler for Java that is itself written in Java. It is based on a port of the HotSpot client compiler from C++ to Java.

The goal of this project is the implementation of a web based application for inspecting debug information provided by the Graal VM during compilation. The application should serve as a common interface for storing and accessing different semi-structured data sets. These data sets can be rendered using various viewers that are capable of processing the given information.

The scope of this thesis is as follows:

- The application has to run in a regular, up-to-date web browser which supports the latest technologies and standards (e.g. Chrome or Firefox).
- The architecture should provide extensibility through plugins and support the integration of other Graal-related web based tools.
- Additionally a data server, responsible for managing and serving the collected data, has to be developed.

The work's progress should be discussed with the supervisor at least every 2 weeks. Please note the guidelines of the Institute for System Software when preparing the written thesis.

[1] <http://openjdk.java.net/projects/graal/>