Virtually Inside-Out!

Lessons learned from writing own JVM

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@JaroslavTulach – Bck2Brwsr VM

CREATE
THE
FUTURE

Safe Harbor Statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Introduction

- RoboVM – JVM for iOS
  - Status of the project
  - What is unique?
  - The hardest obstacle

- Bck2Brwsr – JVM running in a JavaScript
  - Status of the project
  - What is unique?
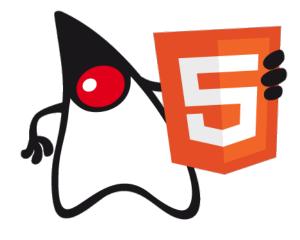 - The hardest obstacle

Q&A

Tooling

Resource files   JDK8's Lambdas   Native interface

Special UI Libraries

Threads & synchronization

Reflection support

Core Java Libraries

Weak references

Packaging libraries/application

Debugging

Default methods in interfaces

Unit Testing   Performance

java.lang.proxy

@annotations   Generating bytecode   InvokeDynamic

Contribute!

http://robovm.com

http://bck2brwsr.apidesign.org