

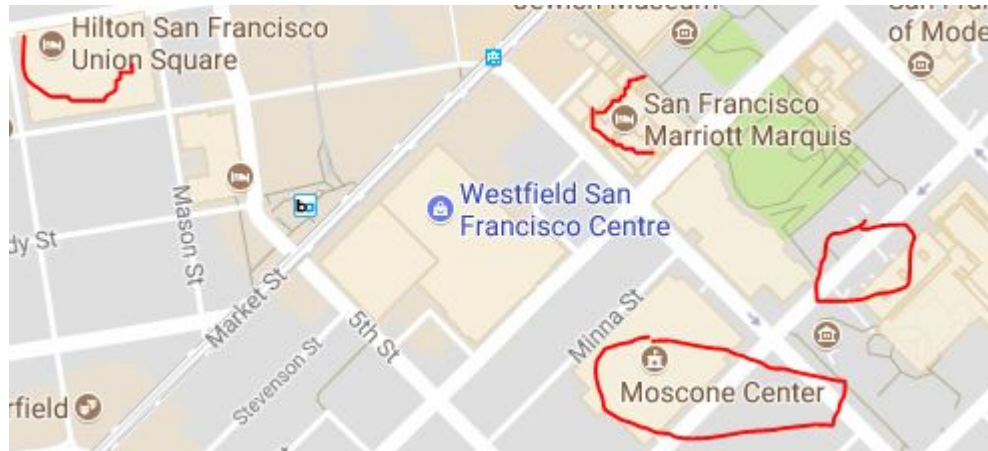
JavaOne 2017

An Overview

Paul Webber
October 17, 2017

The Conference Oct 1 - 5

- Friday, Sep 29, Java Champion Summit at Oracle HQ
- Saturday, Sep 30, JavaOne4Kids, Hilton Union Square
- Sunday - Wednesday, Sessions at Moscone West
- Thursday, Sessions at Marriott Marquis



Java Champion Summit




JC Summit Agenda 2016

- Netbeans Update - Handed over to the Apache Foundation
<https://netbeans.org/community/apache-incubator.html>
- JDK 9 (mid 2017)
- Java EE 8 (end of 2017) and Java EE 9 (end of 2018)
- Cloud PaaS
- Oracle IaaS
- Oracle Cloud
- Java Community Process

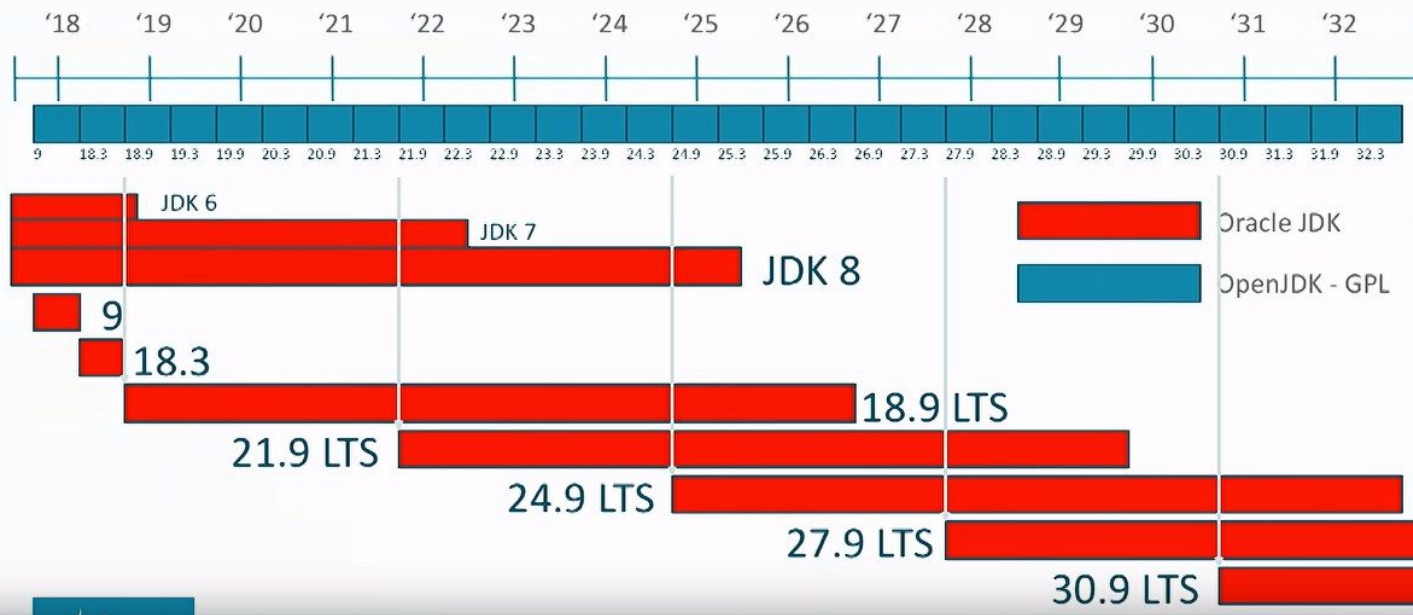


JC Summit Agenda 2017

- Java EE Update - Handed over to the Eclipse Foundation
<https://www.eclipse.org/org/foundation/>
 - JDK Release Cycle - Twice a year - 18.3, 18.9, 19.3 etc.
 - Project Panama - Foreign Function Interface (VM level)
 - Project Valhalla - Specialized Generics and Value Types
 - Project Amber - Local-Variable Type Inference and Enhanced Enums
 - Project Loom - Continuations and Fibers (enhancing concurrency)
 - Java Groups around the World
 - Even a Virtual JUG
 - Java on Mobile
 - Java Community Process
- 

JDK New Release Cycle

New JDK Release model



JDK 9 Released! List of JEPs from the JSRs

102: Process API Updates
110: HTTP 2 Client
143: Improve Contended Locking
158: Unified JVM Logging
165: Compiler Control
193: Variable Handles
197: Segmented Code Cache
199: Smart Java Compilation, Phase Two
200: The Modular JDK
201: Modular Source Code
211: Elide Deprecation Warnings on Import Statements
212: Resolve Lint and DoClint Warnings
213: Milling Project Coin
214: Remove GC Combinations Deprecated in JDK 8
215: Tiered Attribution for javac
216: Process Import Statements Correctly
217: Annotations Pipeline 2.0
219: Datagram Transport Layer Security (DTLS)
220: Modular Run-Time Images
221: Simplified Doclet API
222: jshell: The Java Shell (Read-Eval-Print Loop)
223: New Version-String Scheme
224: HTML5 Javadoc
225: Javadoc Search
226: UTF-8 Property Files
227: Unicode 7.0
228: Add More Diagnostic Commands
229: Create PKCS12 Keystores by Default
231: Remove Launch-Time JRE Version Selection
232: Improve Secure Application Performance
233: Generate Run-Time Compiler Tests Automatically
235: Test Class-File Attributes Generated by javac
236: Parser API for Nashorn
237: Linux/AArch64 Port

238: [Multi-Release JAR Files](#)
240: [Remove the JVM TI hprof Agent](#)
241: [Remove the jhat Tool](#)
243: [Java-Level JVM Compiler Interface](#)
244: [TLS Application-Layer Protocol Negotiation Extension](#)
245: [Validate JVM Command-Line Flag Arguments](#)
246: [Leverage CPU Instructions for GHASH and RSA](#)
247: [Compile for Older Platform Versions](#)
248: [Make G1 the Default Garbage Collector](#)
249: [OCSP Stapling for TLS](#)
250: [Store Interned Strings in CDS Archives](#)
251: [Multi-Resolution Images](#)
252: [Use CLDR Locale Data by Default](#)
253: [Prepare JavaFX UI Controls & CSS APIs for Modularization](#)
254: [Compact Strings](#)
255: [Merge Selected Xerces 2.11.0 Updates into JAXP](#)
256: [BeanInfo Annotations](#)
257: [Update JavaFX/Media to Newer Version of GStreamer](#)
258: [HarfBuzz Font-Layout Engine](#)
259: [Stack-Walking API](#)
260: Encapsulate Most Internal APIs
261: Module System
262: [TIFF Image I/O](#)
263: [HiDPI Graphics on Windows and Linux](#)
264: [Platform Logging API and Service](#)
265: [Marlin Graphics Renderer](#)
266: [More Concurrency Updates](#)
267: [Unicode 8.0](#)
268: [XML Catalogs](#)
269: [Convenience Factory Methods for Collections](#)
270: [Reserved Stack Areas for Critical Sections](#)
271: [Unified GC Logging](#)
272: [Platform-Specific Desktop Features](#)
273: [DRBG-Based SecureRandom Implementations](#)

274: [Enhanced Method Handles](#)
275: [Modular Java Application Packaging](#)
276: [Dynamic Linking of Language-Defined Object Models](#)
277: [Enhanced Deprecation](#)
278: [Additional Tests for Humongous Objects in G1](#)
279: [Improve Test-Failure Troubleshooting](#)
280: [Indify String Concatenation](#)
281: [HotSpot C++ Unit-Test Framework](#)
282: jlink: The Java Linker
283: [Enable GTK 3 on Linux](#)
284: [New HotSpot Build System](#)
285: [Spin-Wait Hints](#)
287: [SHA-3 Hash Algorithms](#)
288: [Disable SHA-1 Certificates](#)
289: [Deprecate the Applet API](#)
290: [Filter Incoming Serialization Data](#)
291: [Deprecate the Concurrent Mark Sweep \(CMS\) Garbage Collector](#)
292: [Implement Selected ECMAScript 6 Features in Nashorn](#)
294: [Linux/s390x Port](#)
295: [Ahead-of-Time Compilation](#)
297: [Unified arm32/arm64 Port](#)
298: [Remove Demos and Samples](#)
299: [Reorganize Documentation](#)

Project Jigsaw
Talked about last year



More Info on JEPs

<http://openjdk.java.net/>

OpenJDK FAQ
Installing
Contributing
Sponsoring
Developers' Guide

Mailing lists
IRC - Wiki

Bylaws - Census
Legal

JEP Process

Source code
Mercurial
Bundles (6)

Groups
(overview)
2D Graphics
Adoption

AWT
Build
Compatibility &
Specification

Review
Compiler
Conformance
Core Libraries
Governing Board

HotSpot
Internationalization

JMX
Members
Networking
NetBeans Projects

Porters
Quality
Security
Serviceability

Sound
Swing
Web

Projects
(overview)
Amber
Annotations Pipeline
2.0

Audio Engine
Build Infrastructure
Caciocavallo
Closures

OpenJDK



What is this? The place to collaborate on an open-source implementation of the Java Platform, Standard Edition, and related projects. (Learn more.)



Download and install the open-source JDK for most popular Linux distributions. Oracle's OpenJDK JDK 9 binaries are at jdk.java.net/9; Oracle's JDK 9 product binaries for Solaris, Linux, Mac OS X, and Windows, based largely on the same code, are here.



Learn how to use the JDK to write applications for a wide range of environments, from desktop to server.



Hack on the JDK itself, right here in the growing OpenJDK Community: Browse the code on the web, clone a Mercurial repository to make a local copy, learn how to build and hack on the code with the NetBeans IDE, and contribute a patch to fix a bug, enhance an existing component, or define a new feature.

Heather VanCura

Java Community Process (JCP) Program



- Director of the JCP Program Office
- Leader of Global Adopt-a-JSR Programs
- Open Source Fan
- Native Californian - from San Diego
- Personal Interests: Fun 😊

Bay Area, California - USA



Java Community Process (JCP) Program

- Share ideas and feedback, comment on list and public issue trackers.
- Read early versions of specifications and Javadocs.
- Try writing sample applications using early builds of reference implementation.
- Write or speak about the technology and encourage others to participate.
Translate into your native language.
- Evangelize the JSR -social media, blogging or lightning talks.
- Help with documentation.
- <https://jcp.org/en/jsr/stage?listBy=active>
- <https://jcp.org/en/home/index>
- <https://jcp.org/en/participation/membership>



JavaOne4Kids

<https://www.oracle.com/javaone/javaone4kids.html>



Welcome to JavaOne!

<https://www.oracle.com/javaone/index.html>



JavaOne 2017 Sessions

Sessions and Tracks	Sunday	Monday	Tuesday	Wednesday	Thursday	Total
Core Java Platform	0	17	29	29	12	87 -
Emerging Languages	0	9	10	17	1	37 -
Java and Devices	0	5	5	12	4	26 -
Java Clients and User Interfaces	0	7	5	14	2	28 -
Java, Cloud and Server Side Development	0	24	31	25	8	88 -
Java Development Tools	0	16	13	20	5	54 -
Developer Community day (new)	53	0	0	0	0	53
Java Community (new)	0	1	2	0	5	8
Oracle Code: Containers and Everything Else (new)	0	32	37	33	14	116
Total	53	111	132	150	51	497

- 494 Total Unique Sessions
 - 444 - 2016
 - 439 - 2015

Live For Code Day

The screenshot shows the Oracle Code San Francisco event page. At the top, there is a navigation bar with the Oracle logo, 'Developers', 'Technologies', 'Events' (underlined), and 'Videos'. A red button on the right says 'Try Oracle Cloud for free →'. The main content area has a dark teal background with a geometric pattern. On the left, there is an orange circle with 'ORACLE CODE' and a triangle pattern below it. The main text reads 'Oracle Code San Francisco' with the date 'October 3, 2017'. A prominent orange button says 'Register now'. Below it, there is a link to 'View content from our San Francisco March event.' and social media icons for Facebook and Twitter. At the bottom, there is a navigation bar with 'About', 'Speakers', 'Agenda', and 'Venue'. A dropdown menu on the right shows 'San Francisco' with a downward arrow.

ORACLE Developers Technologies Events Videos Try Oracle Cloud for free →

ORACLE CODE

Oracle Code
San Francisco

October 3, 2017

Register now

[View content from our San Francisco March event.](#)

About Speakers Agenda Venue San Francisco ▼

<https://developer.oracle.com/code>

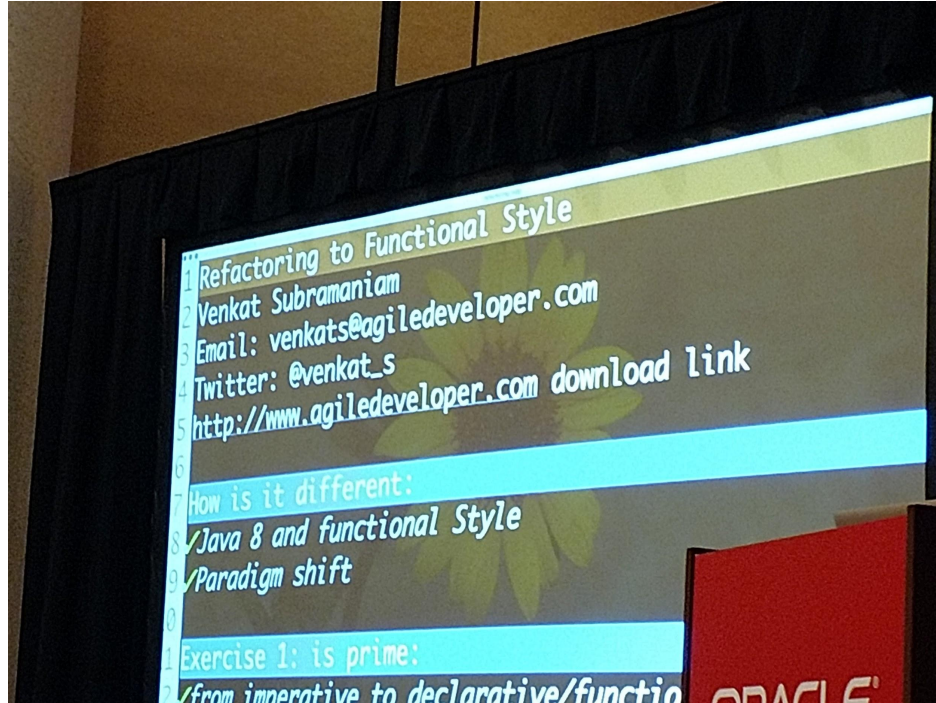
Session: Free Your Lambdas



<http://www.slideshare.net/jpaumard>

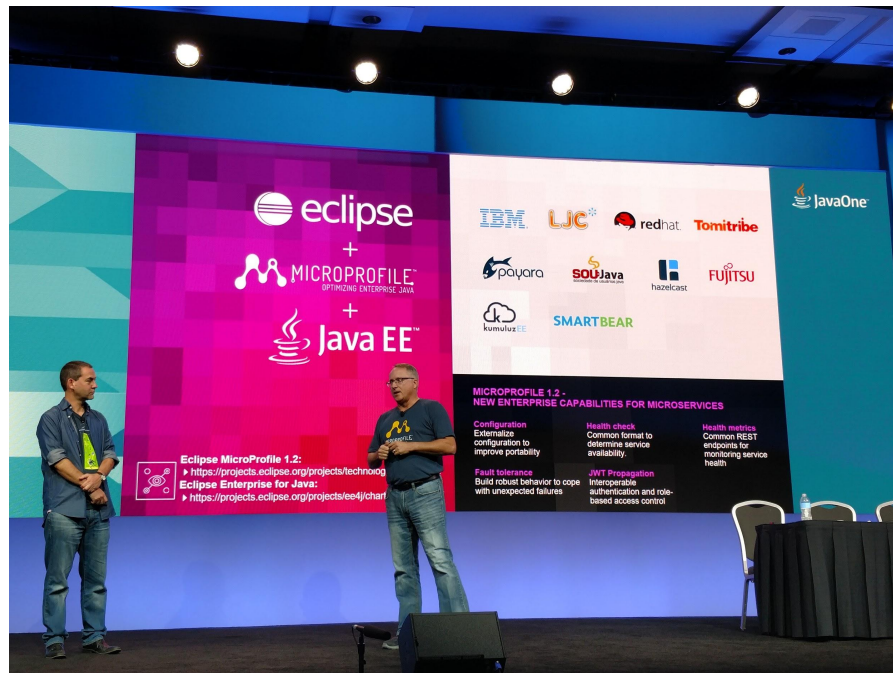
<https://github.com/stuart-marks/LambdaHOLv2>

Session: Refactoring to Functional Style



<http://www.agiledeveloper.com/>

Java Community Keynote - IBM OpenLiberty And Eclipse MicroProfile!

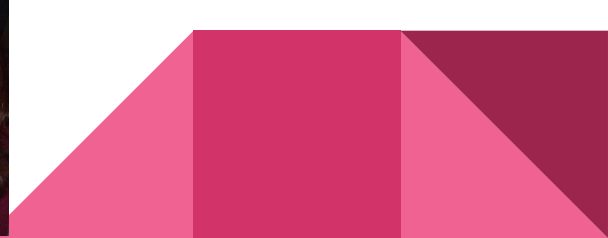


<https://microprofile.io/>
<https://openliberty.io/>

Java Community Keynote!



Party at the Ballpark!



Questions?

Thank You!

