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
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 9 Released! List of JEPs from the JSRs

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: Martin 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 Method Handles
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/
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

<table>
<thead>
<tr>
<th>Sessions and Tracks</th>
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<th>Tuesday</th>
<th>Wednesday</th>
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<td>132</td>
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- 494 Total Unique Sessions
  - 444 - 2016
  - 439 - 2015
Live For Code Day

Oracle Code
San Francisco
October 3, 2017
Register now

View content from our San Francisco March event.

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!

Seeing is believing

- Smallest and fastest run times
- Best way to create robust Java microservices
- Best integration experience for cloud development
- Faster iterations for cloud development

Check it out here:
https://github.com/OpenLiberty/sample-acmegifts

Take a tour of today's open APIs!

https://microprofile.io/
https://openliberty.io/
Java Community Keynote!
Party at the Ballpark!
Questions?

Thank You!