

JavaOne 2015

An Overview

The Conference Oct 24 - 29

- Located in down town San Francisco
- Saturday and Sunday at the Moscone
 - JavaOne4Kids (Sat) – 10 to 18 years old
 - Sessions and Keynote (Sun)
- Monday – Thursday at Hilton Union Square and Parc 55
 - Community Keynote at Marriott Marquis
- Overlapped with Oracle OpenWorld









Sessions and Tracks

	Sunday	Monday	Tuesday	Wednesday	Thursday	Total
Core Java Platform	18	34	42	27	17	138
Java and Security	0	9	10	8	5	32
Emerging Languages	0	13	13	17	3	46
Java, DevOps, and the Cloud	6	32	24	27	19	108
Java and the Internet of Things	4	21	17	14	10	66
Java and Server Side Development	6	43	50	36	15	150
Java Clients and User Interfaces	0	16	22	10	14	62
Java Development Tools and Agile Techniques	13	34	33	33	15	128
Total	47	202	211	172	98	730

But Wait! There are only 439 Total Sessions

Sessions and Tracks – The reality

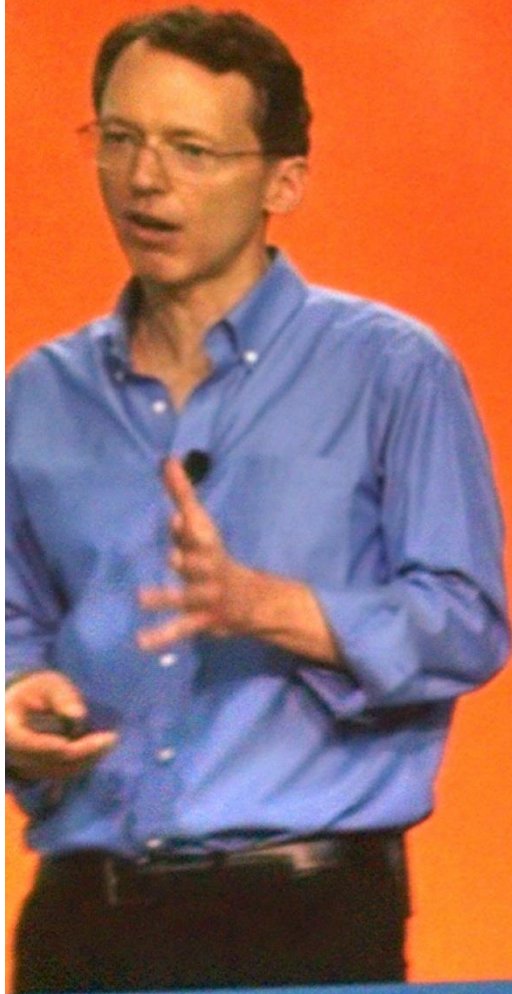
	Sunday	Monday	Tuesday	Wednesday	Thursday	Total
JavaOne Keynote	1					1
Java Community Keynote					1	1
Sessions	26	131	128	100	52	437

439 Total Unique Sessions including Keynotes

7 Repeats on Thursday

6 Repeats on Tuesday

11 Repeats on Wednesday



Project Jigsaw

JEP 200: The Modular JDK

JEP 201: Modular Source Code

JEP 220: Modular Run-Time Images

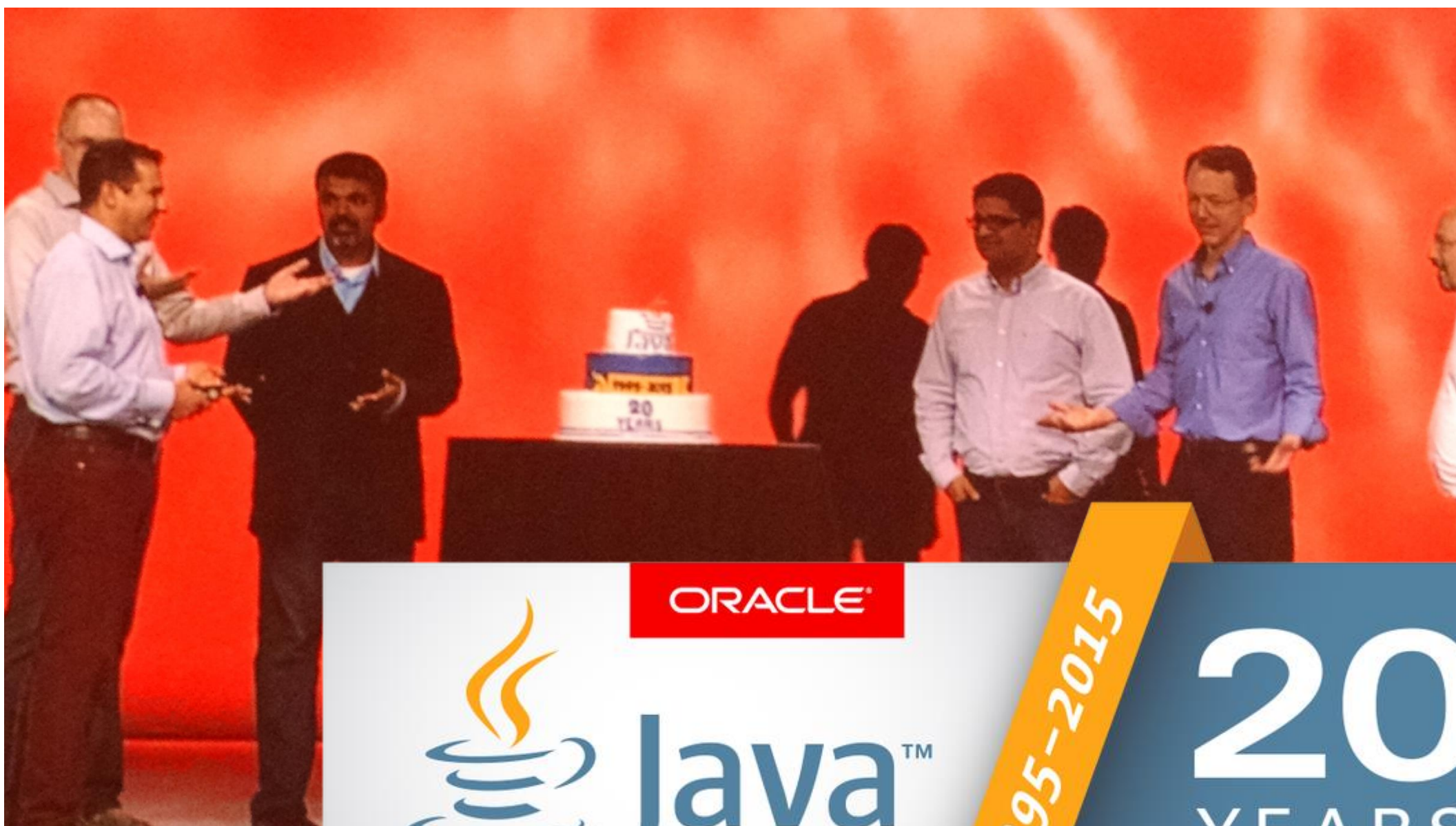
JEP 260: Encapsulate Most Internal APIs

JEP 261 / JSR 376: Java Platform Module Sys

OpenJDK

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





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Java™

1995-2015

20
YEARS

Docker Introduction



Arun Gupta

Vice President, Developer Advocacy
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arun@couchbase.com



THE ART OF
PIRATES OF THE CARIBBEAN
ON STRANGER TIDES

AN ADVENTURE BOOK
Disney PUBLICATIONS

Disney
PIRATES OF THE CARIBBEAN
ON STRANGER TIDES
IN THEATERS 5.20.11

Pirates of DevOps

On Continuous Delivery Tides

Bruno Souza
bruno@javaman.com.br
@brjavaman

Edson Yanaga
edson@yanaga.com.br
@yanaga

Slides and Bonus Materials:
<http://fav.mn/career>

Pictures from the movie "Pirates of the Caribbean - On Stranger Tides" © Disney

AQUA DE VIDA





Refactoring your Java EE applications using Microservices and Containers

Arun Gupta

Vice President, Developer Advocacy

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arun@couchbase.com



Refcard #215

Getting Started With Microservices

Design Patterns for Decomposing the Monolith

by Arun Gupta

Still re-deploying your entire application for one small update? Microservices deploy modular updates and increase the speed of application deployments.

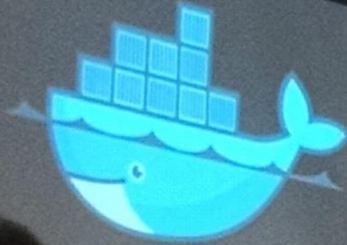
Free PDF

 **DOWNLOAD**

 **SAVE**

 **12.2k**

<https://dzone.com/refcardz/getting-started-with-microservices>



Docker Orchestration
Welcome to the Jungle!

Culture is King

Mattias Karlsson, Agile Coach

@matkar



Thank God It's
**Sugar
Friday!**™










AMIS

docker



VAGRANT

puppet
labs



Java Developer Intro to Environment
Management with
Vagrant, Puppet, and Docker

Lucas Jellema

JavaOne 2015, San Francisco, 26th October 2015

Deploying Elastic Java EE Microservices in the Cloud with Docker

Steve Millidge : Founder Payara



EQUIPPED TO CONQUER DEVOPS SPACE



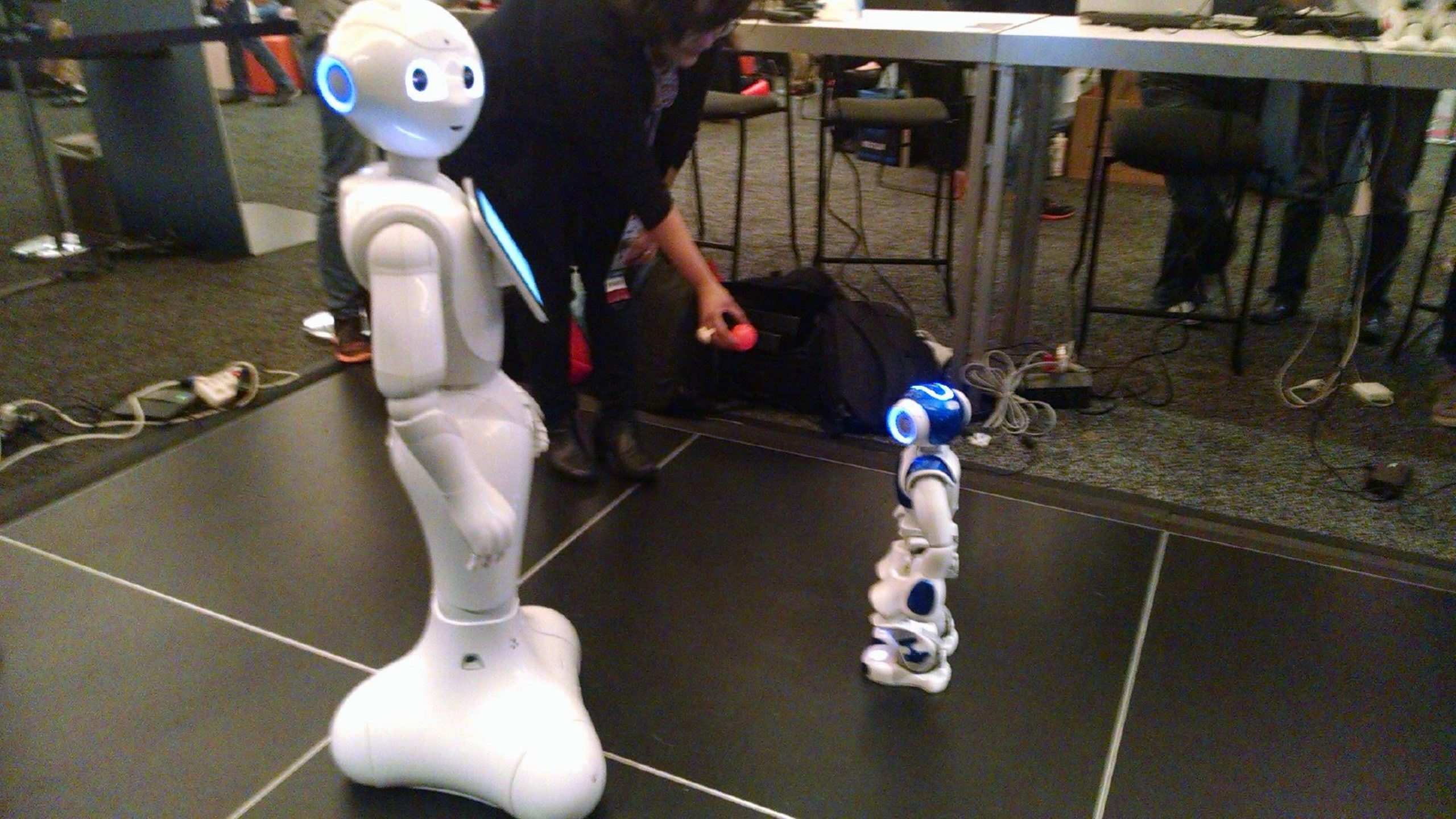




How Netflix Thinks of DevOps

JavaOne 2015

Dianne Marsh
Director of Engineering
[@dmarsh](#)





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**Raspberry Pi with Java:
Programming the
Internet of Things (IoT)**



Embedded Application Development
for Home and Industry

Stephen Chin
with James L. Weaver

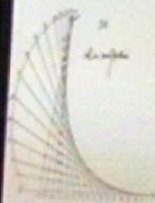
Oracle
Press

Creating Amazing Visual Programming Environments With JavaFX



JavaOne
October 27, 2015

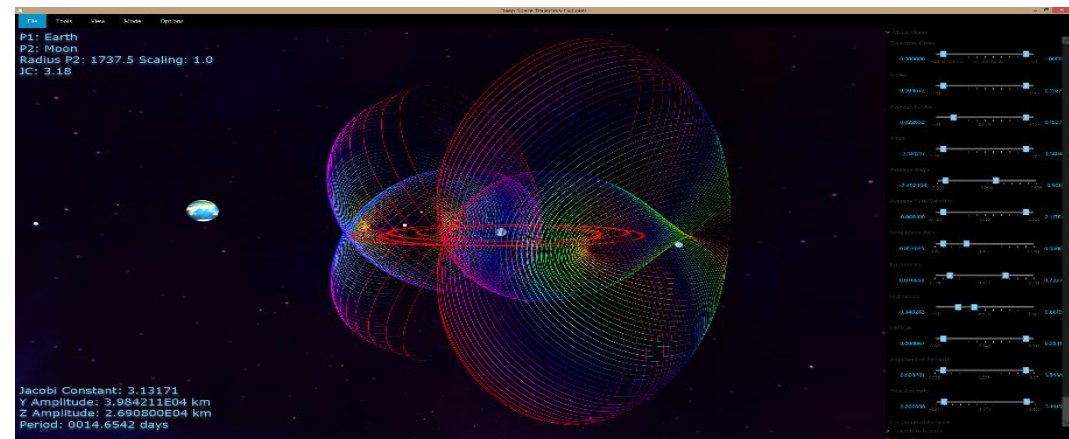
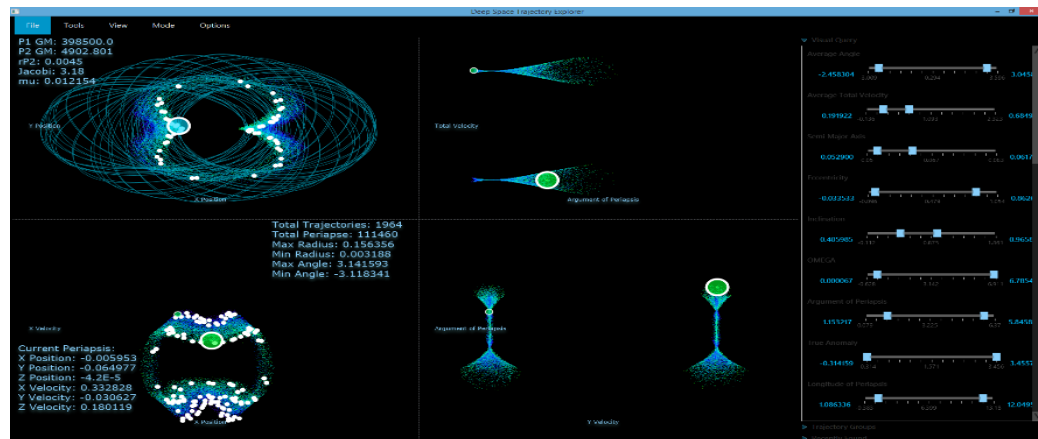
Michael Hoffer
STZ/G-CSC



NASA Space Mission Support Fueled by the Java Ecosystem

Sean M Phillips, a.i. solutions, Inc.

- Deep Space Trajectory Explorer (DSTE)
- Thousands of potential trajectories exist at any given position and energy
 - Data spaces to represent scenarios start in the 100Ks and go up
 - Interactive 2D and 3D data selection and constraint tools
- JavaFX 8 is the key enabling framework
 - High speed Canvas plots for visually interactive interface
 - Parallel Streams enable background search and filtering of data responsive in million point scenarios
 - Integrated Pure JavaFX 3D Trajectory Renderings





Ignite[®]

enlighten us,
but make it quick

Arun Gupta

Andy Gumbrecht

Tim Pettersen

Roy van Rijn

Tamao Nakahara

Tori Wieldt

Theresa Nguyen

Andrzej Grzesik

Daniel De Luca

Andy Nilson

Dario Laverde

Stephen Chin

G Venkat

Siamak (Ash)

Rustam Mehmandarov

Suyash Joshi

Bert Jan Schrijver

Martijn Verburg

Pair Mob Programming

Mob Programming

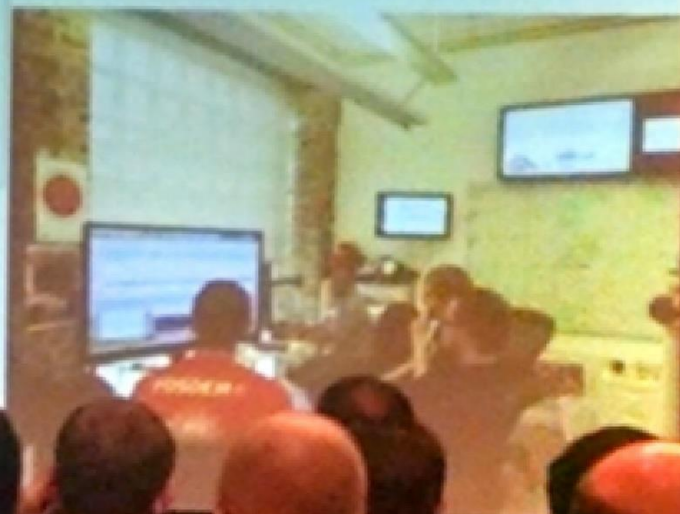
A Whole Team Approach



mobprogramming.org Twitter @WoodyZall

benjweber.co.uk/blog/2014/11/30/the-unruly-mob/
probablyfine.co.uk/papers/mob-programming.pdf

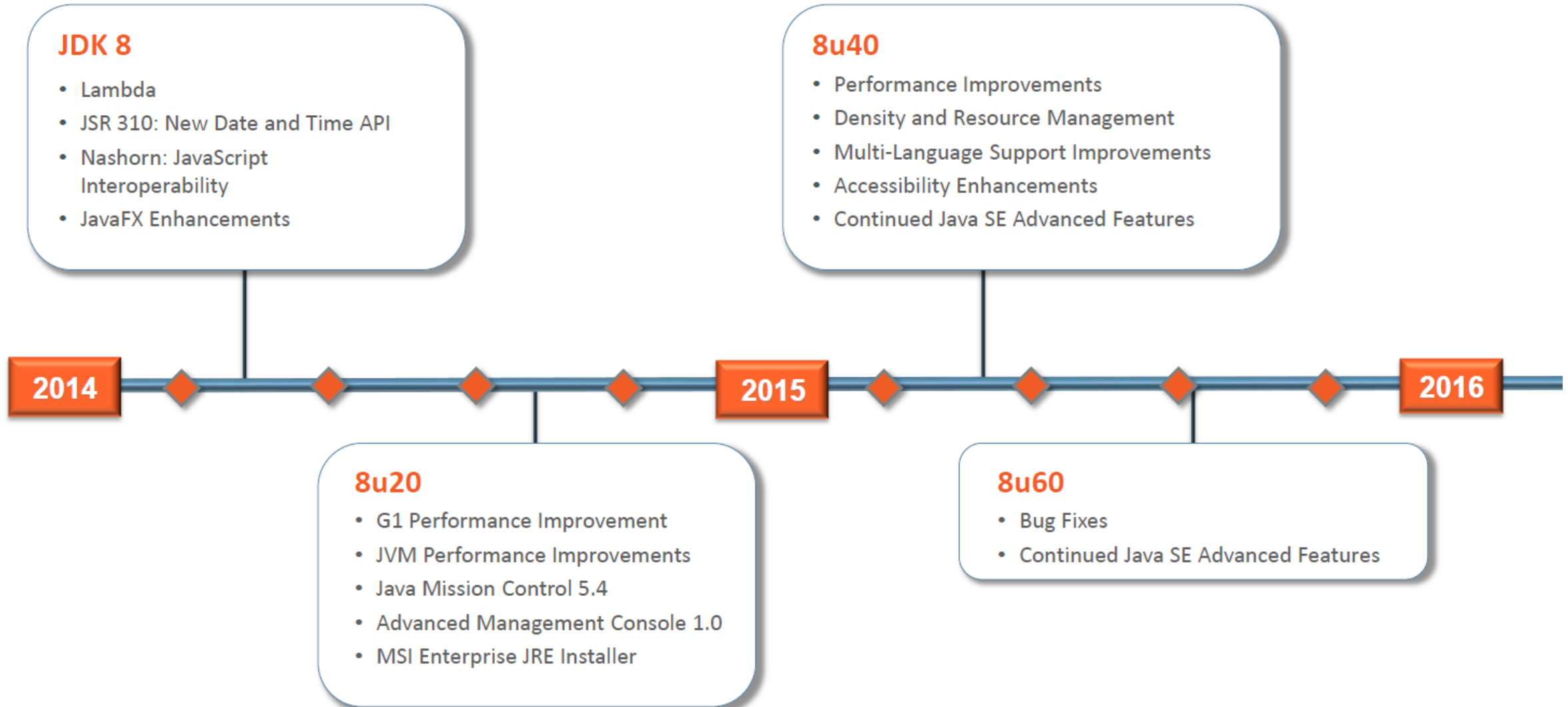
www.infoq.com/interviews/zull-mob-programming



Continued Growth

- #1 Development Platform, Now in the Cloud
- 10 Million Java Developers Worldwide
- #1 Choice For Developers
- 13 Billion Devices Run Java
- 200 Million Medical Devices Run Java
- 1 Billion Automotive Devices Run Java
- 97% of Enterprise Desktops Run Java

Java SE Progress



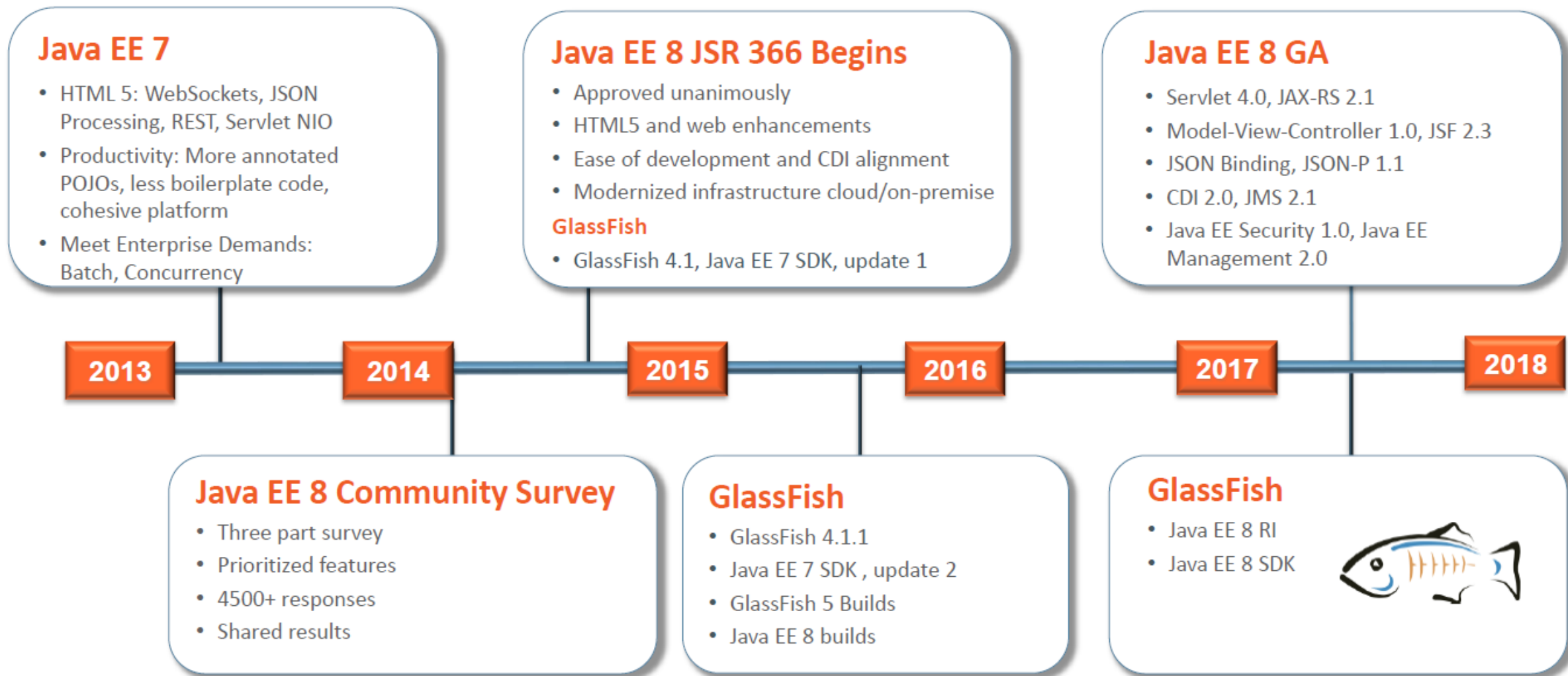
JDK 9

- 10 December 2015: Feature Complete
- 04 February 2016: All Tests Run
- 25 February 2016: Rampdown Start
- 21 April 2016: Zero Bug Bounce
- 16 June 2016: Rampdown Phase 2
- 21 July 2016: Final Release Candidate
- 22 September 2016: General Availability

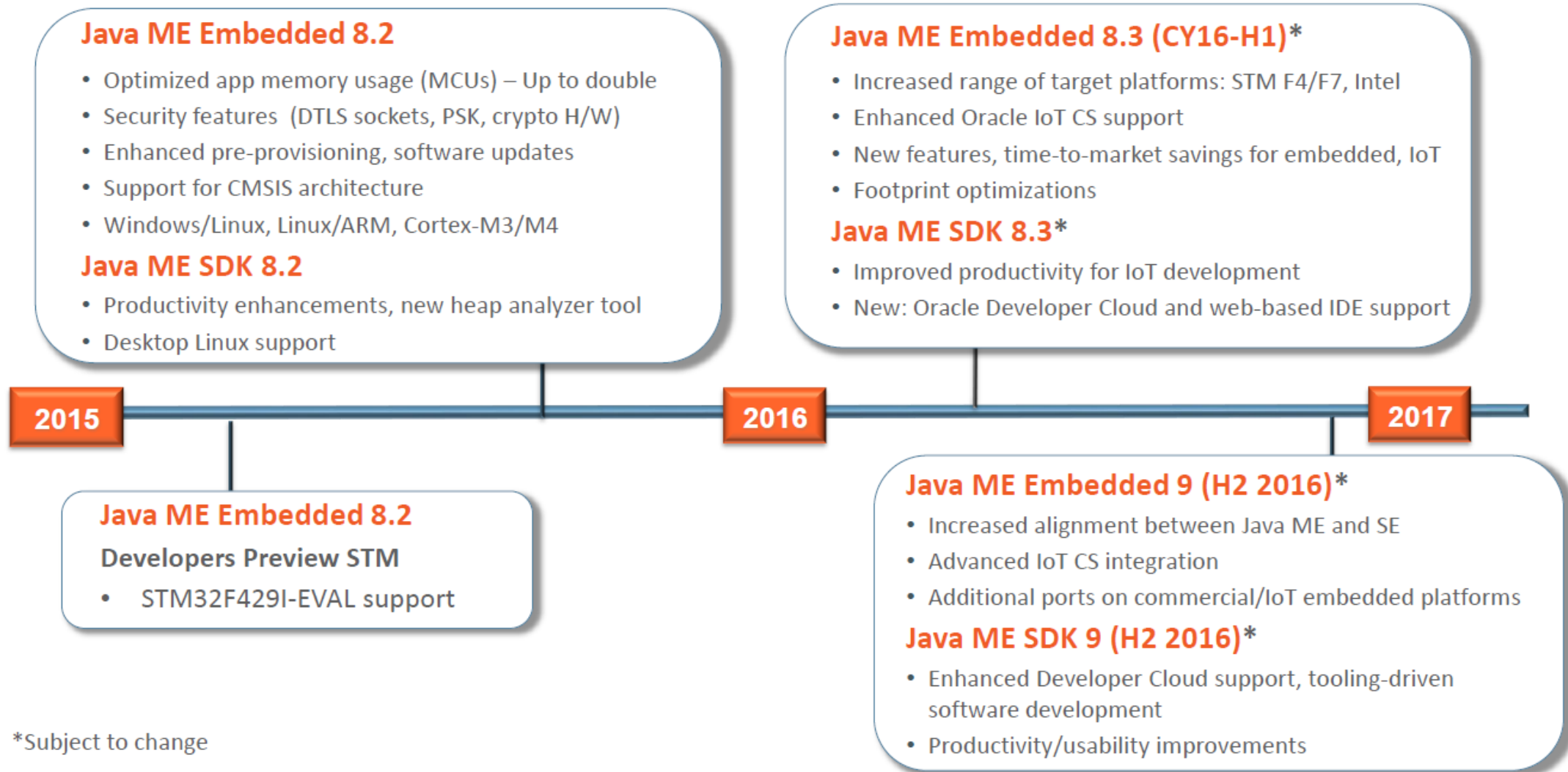
JDK 9 Proposal

- 26 May 2016: Feature Complete
- 11 August 2016: All Tests Run
- 01 September 2016: Rampdown Start
- 20 October 2016: Zero Bug Bounce
- 01 December 2016: Rampdown Phase 2
- 26 January 2017: Final Release Candidate
- 23 March 2017: General Availability
- <http://openjdk.java.net/projects/jdk9/>
 - Project Jigsaw – the new modularity features of Java

Java EE Progress



Java ME Embedded Progress



*Subject to change

Fun Video

- [Scott McNealy](#) 2.5 min
 - Top 10

Useful Links

- 113 Sessions presented on YouTube
https://www.reddit.com/r/java/comments/3requx/javaone_2015_sessions/
- JavaOne 2015: On Demand Video
<https://www.oracle.com/javaone/on-demand/index.html>
- JavaOne Session Catalog
<https://events.rainfocus.com/oow15/catalog/oracle.jsp?event=javaone&search.event=javaoneEvent>

Additional Information

- Oracle Academy: <https://academy.oracle.com>
 - Oracle Academy advances computer science education globally to drive knowledge, innovation, skills development, and diversity in technology fields
- Java Magazine:
<http://www.oracle.com/technetwork/java/javamagazine/index.html>
 - **Java Magazine** is one of Oracle's newest and most significant investments in the continuing health and growth of the Java technology ecosystem
- OpenJDK <http://openjdk.java.net/>
 - The place to collaborate on an open-source implementation of the [Java Platform, Standard Edition](#), and related projects



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Taylor Street Coffee Shop
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Trail Food



100 YEAR STARSHIP™

canopus 310 LY

finding earth 2.0™
100YSS PUBLIC SYMPOSIUM 2015

Managing Technical Debt in Space.



Thanks!

- Jesse Warden
- @jesterxl
- jesse@jessewarden.com