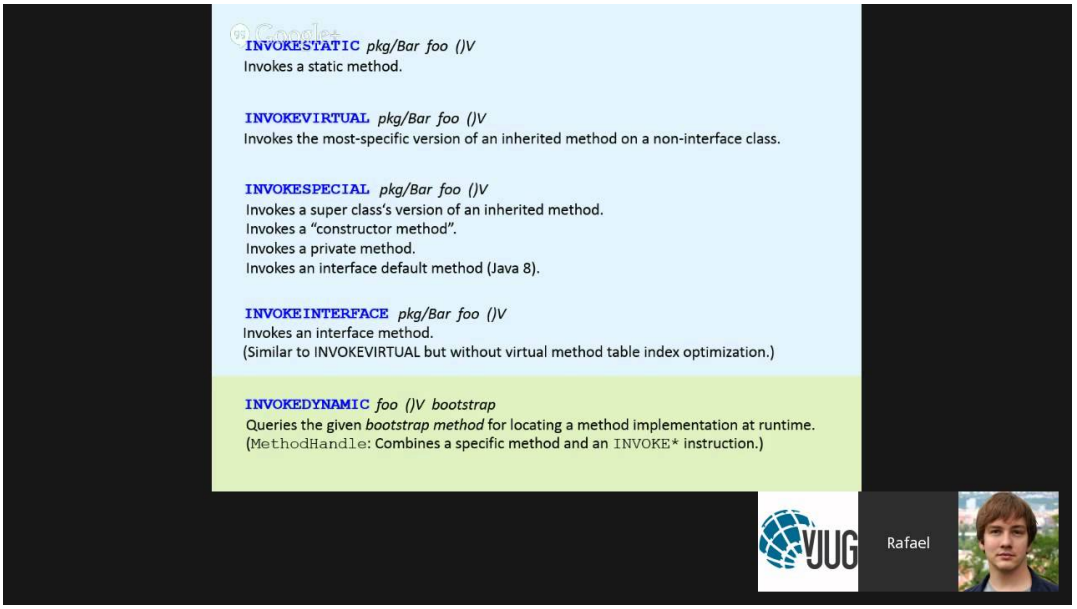
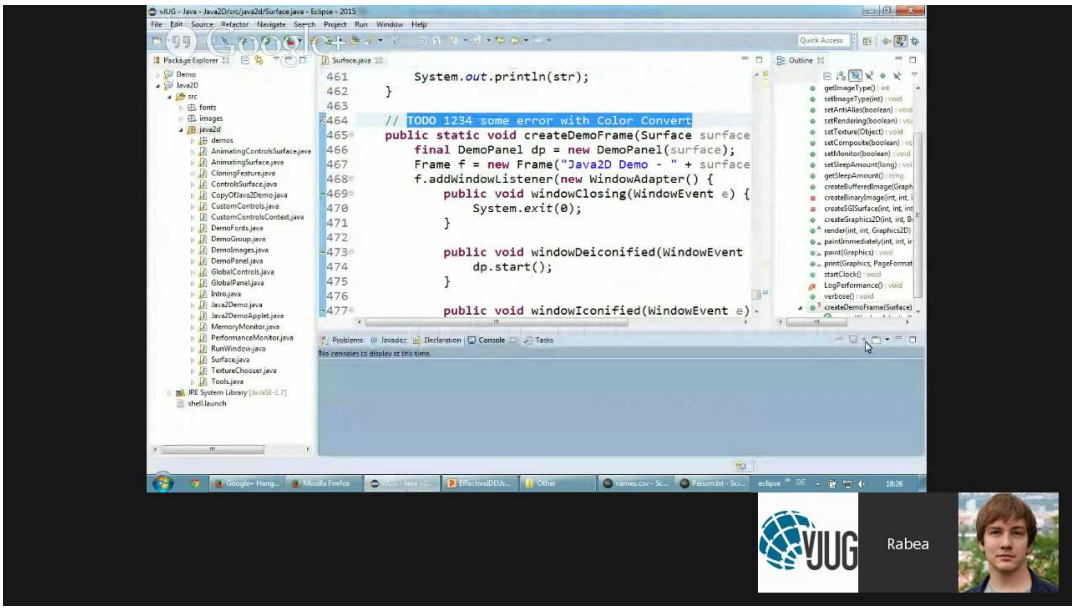
Java byte code in practice



At first glance, Java byte code can appear to be some low level magic that is both hard to understand and effectively irrelevant to application developers. However, neither is true. With only little practice, Java byte code becomes easy to read and can give true insights into the functioning of a Java program. In this talk, we will cast light on compiled Java code and its interplay with the Java virtual machine. In the process, we will look into the evolution of byte code over the recent major releases with features such as dynamic method invocation which is the basis to Java 8 lambda expressions. Finally, we will learn about tools for the run time generation of Java classes and how these tools are used to build modern frameworks and libraries. Among those tools, I present Byte Buddy, an open source tool of my own efforts and an attempt to considerably simplify run time code generation in Java.
(http://bytebuddy.net)

http://virtualjug.com/?p=1673

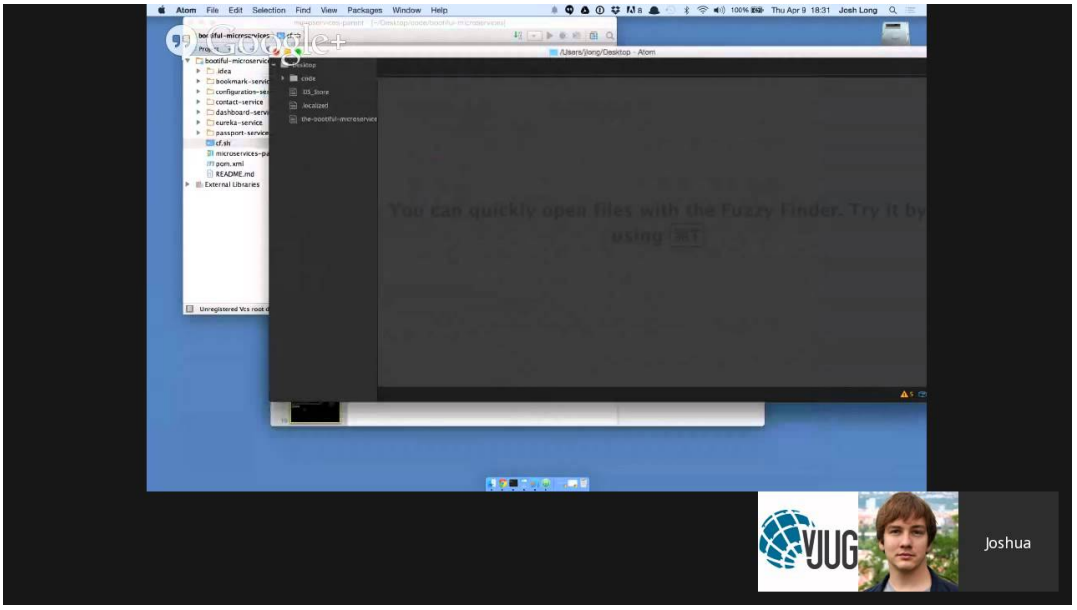
Effective IDE Usage



You don’t want your IDE to propose java.awt.List as import when you need java.util.List? This talk will show you how to get rid of the proposal and how to use your IDE effectively to concentrate on your work.

http://virtualjug.com/?p=1658

Building “Bootiful” Microservices with Spring Cloud

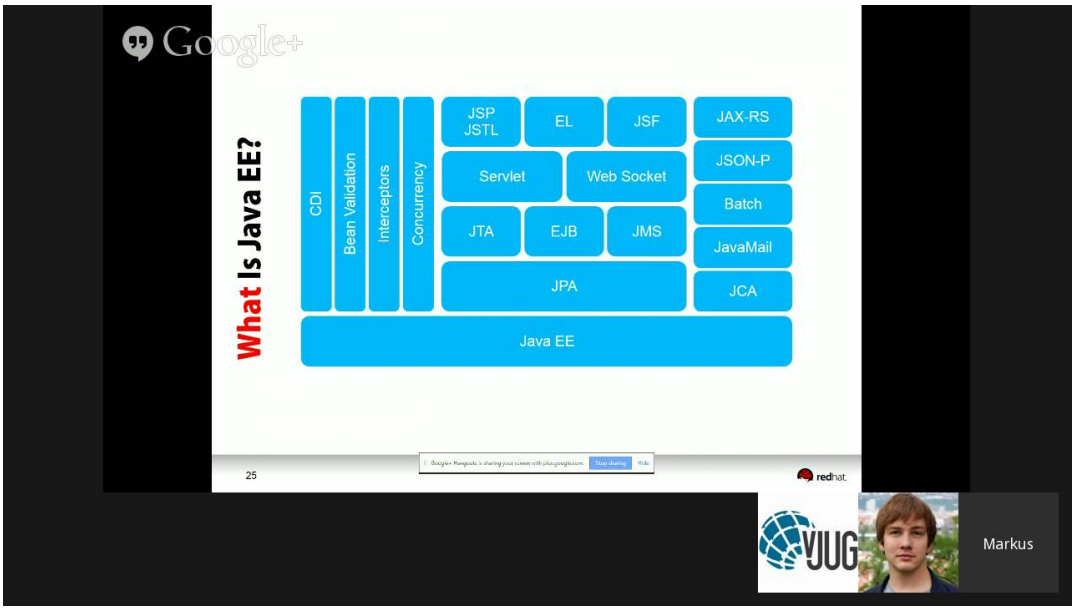


We get it already! Microservices help you build smaller, singly-focused services, quicker. They scale out. They’re more agile because individual teams can deliver them at their own pace. They work well in the cloud because they’re smaller, and benefit from elastic, horizontal scaling. But what about the complexity? There’s a cost associated with adding services and coordinating the interactions between them. In this talk, we’ll look at Spring Cloud, which builds atop Spring Boot and the Netflix OSS stack, and see how it lets you easily integrate service-discovery, security, reliability patterns like the circuit breaker, and centralized and journaled property configuration (and more) to build resilient microservices that scale.

VJUG

http://virtualjug.com/?p=1552

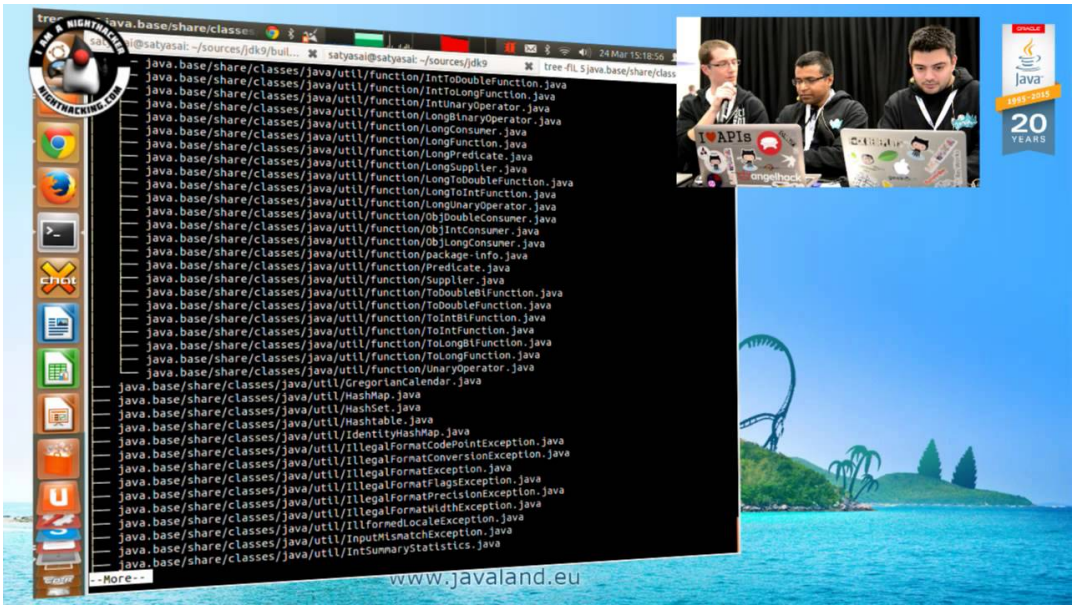
Architecting Large Enterprise Java Projects



In the past I've been building component oriented applications with what I had at hand. Mostly driven by the features available in the Java EE standard to be "portable" and easy to use. Looking back this has been a perfect fit for many customers and applications. With an increasing demand for highly integrated applications which use already available services and processes from all over the place (departmental, central or even cloud services) this approach starts to feel more and more outdated. And this feel does not come from a technology perspective but from all the requirements around it. Having this in mind this post is the starting point of a series of how-to's and short tutorials which aim to showcase some more diverse ways of building (Java EE) applications that fit better into today's requirements and landscapes.

http://virtualjug.com/?p=1546

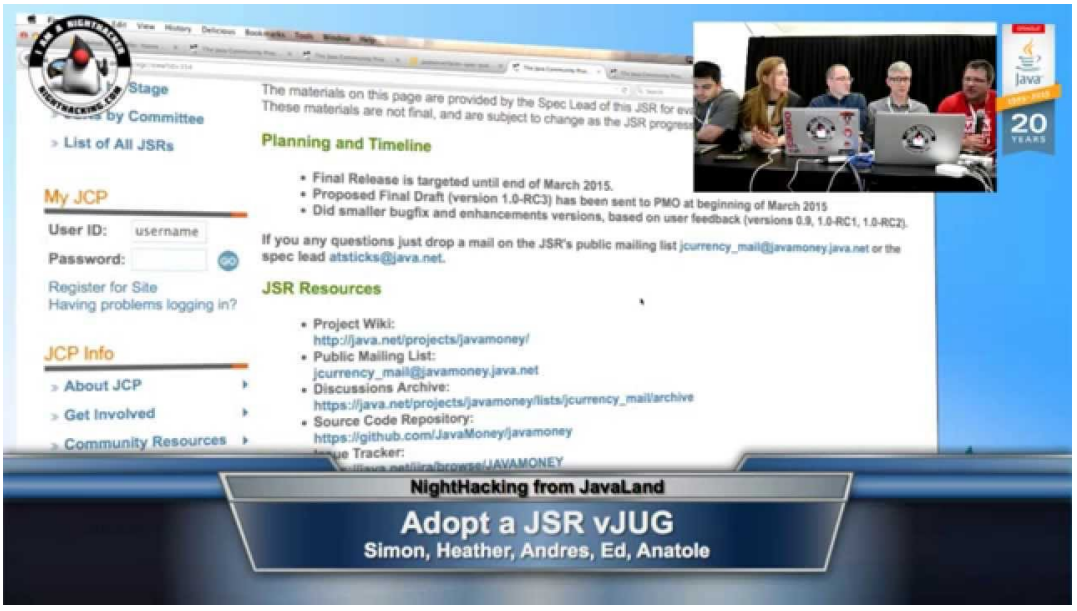
JavaLand Session: How is Java/JVM built?



Mr Webber developer and **Ms Janet Java developer** are both developers who are interested in broadening their know-how of the Java platform. **Mr Webber developer** shares with **Ms Janet Java developer** conversations about Javaland, vJUG, Nighthacking and Adopt OpenJDK – a preview of their conversation.

http://virtualjug.com/?p=1533

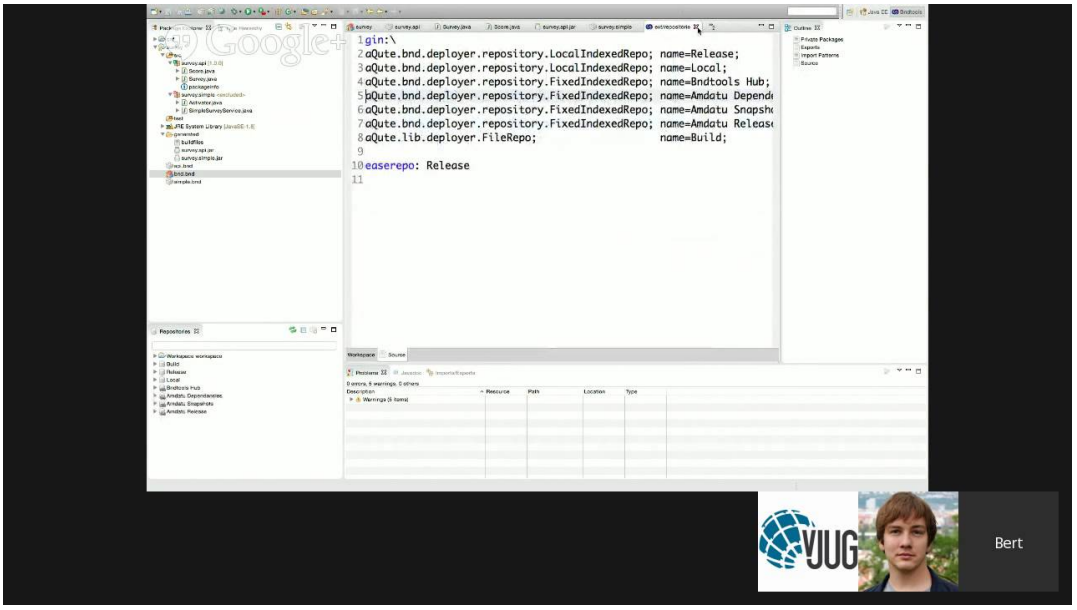
JavaLand Session: What's coming in Java.Next?



This session will take place live from the Javaland conference in Germany on the Nighthacking stage! Learn from **Heather VanCura** how you can take part in Java technology by Adopting a JSR. This session give a brief overview of the Adopt-a-JSR program and how to participate through the Virtual JUG. We will meet and discuss with three current JCP Spec Leads to find out how their JSRs could benefit from vJUG Adopt-a-JSR participation.

http://virtualjug.com/?p=1532

Building Modular Java Applications in the Cloud



Modularity is an architectural theme that you'll hear about more and more. Being able to deal with change in a codebase is not something trivial and requires some serious thought. In this talk I will show you that it is actually pretty easy to achieve a modular architecture using OSGi, and the right set of tools. Of course everything will be demonstrated using live coding!

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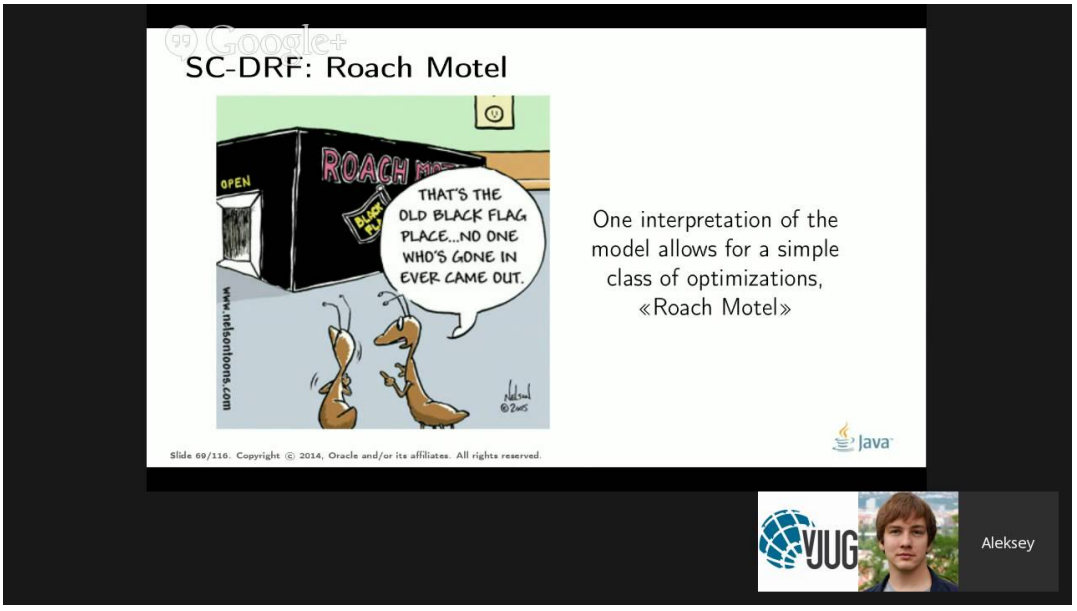
Java Memory Model Pragmatics



The Java Memory Model is the most complicated part of Java spec that must be understood by at least library and runtime developers. Unfortunately, it is worded in such a way that it takes a few senior guys to decipher it for each other.

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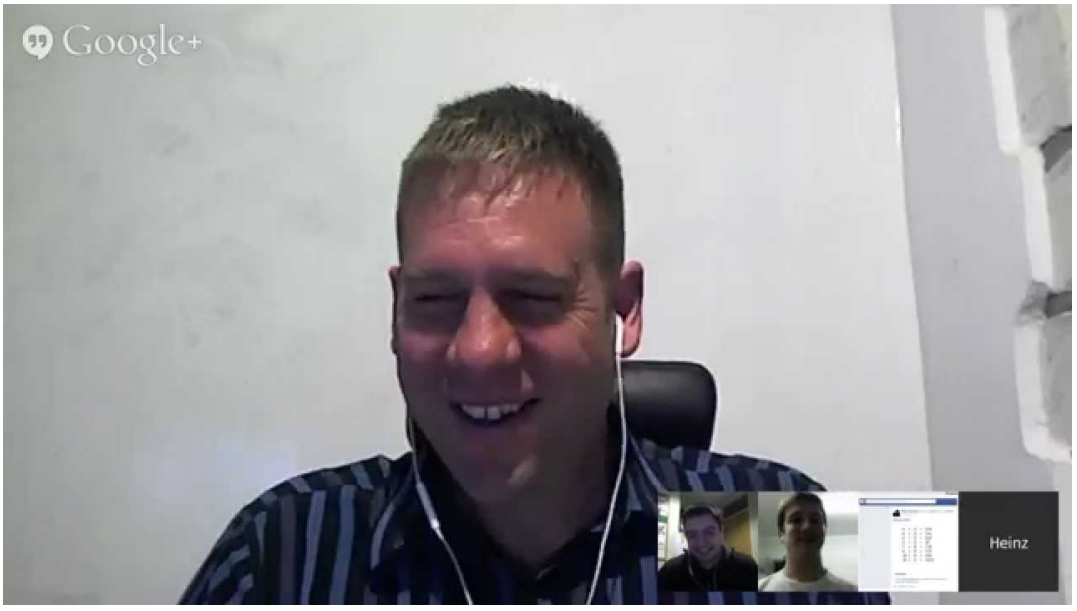
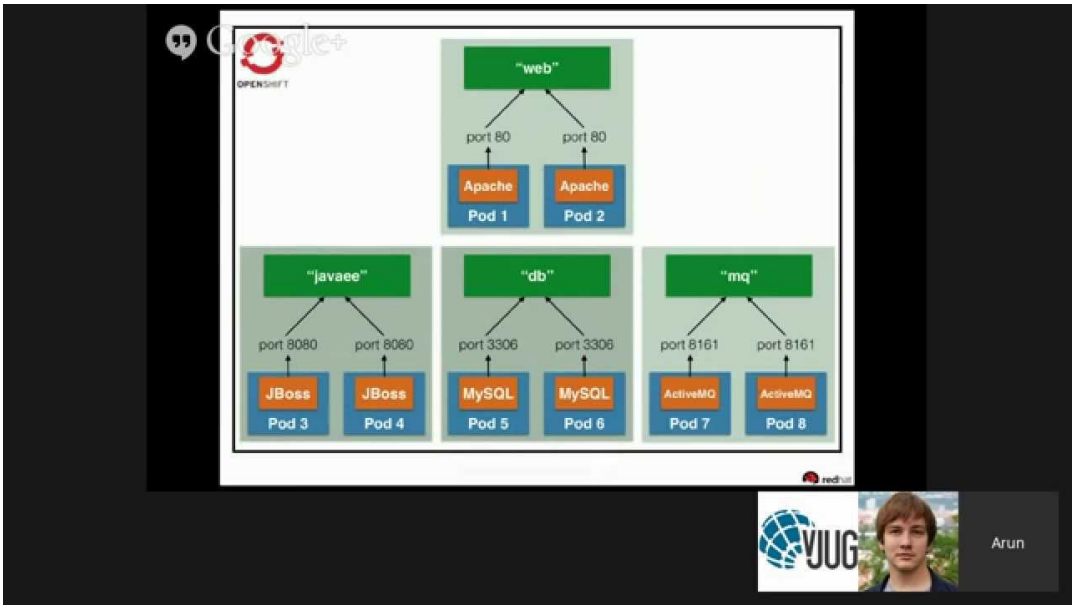
The Live Reflection Madness



Heinz likes to compare reflection to opium. Not the perfume. The drug. In this live coding session, he will start by showing some of the powerful features available to us in Java.

http://virtualjug.com/?p=1347

Package your Java EE application using Docker and Kubernetes



Docker simplifies software delivery by making it easy to build and share images that contain your application's operating system. It packages your application and infrastructure together, managed as one component.

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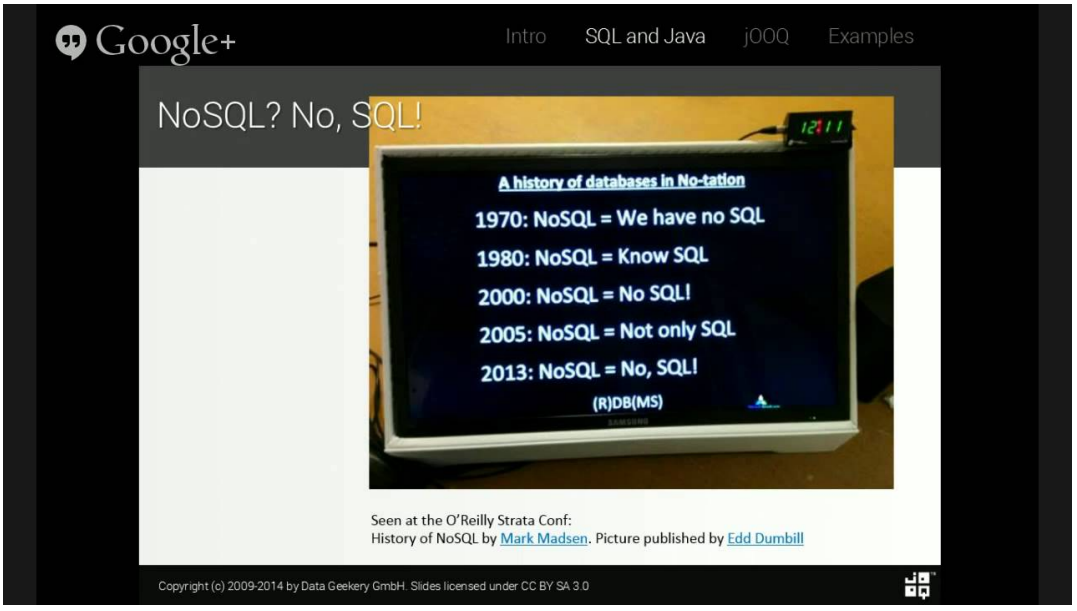
jOOQ: Get Back in Control of Your SQL



SQL is a powerful and highly expressive language for queries against relational databases. SQL is established, standardised and hardly challenged by alternative querying languages.

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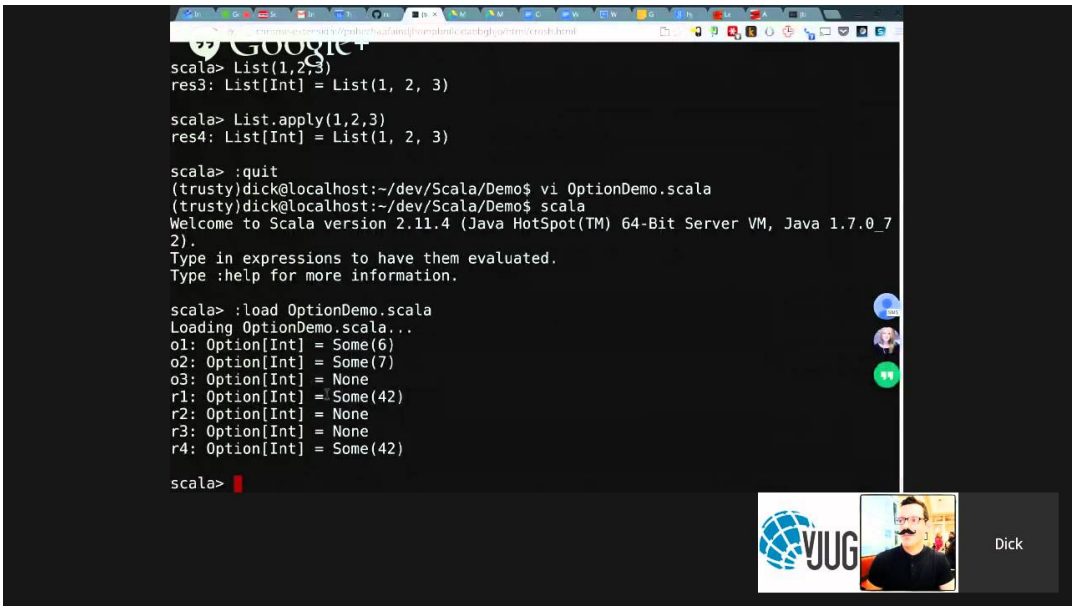
Java and the Wave Glider, by James Gosling

IRC logs be be found here.

http://virtualjug.com/?p=1325

Scala for Java Developers



– What are the major advantages/features Scala provides
– Why should someone move from Java to Scala
– What is the future direction of Scala

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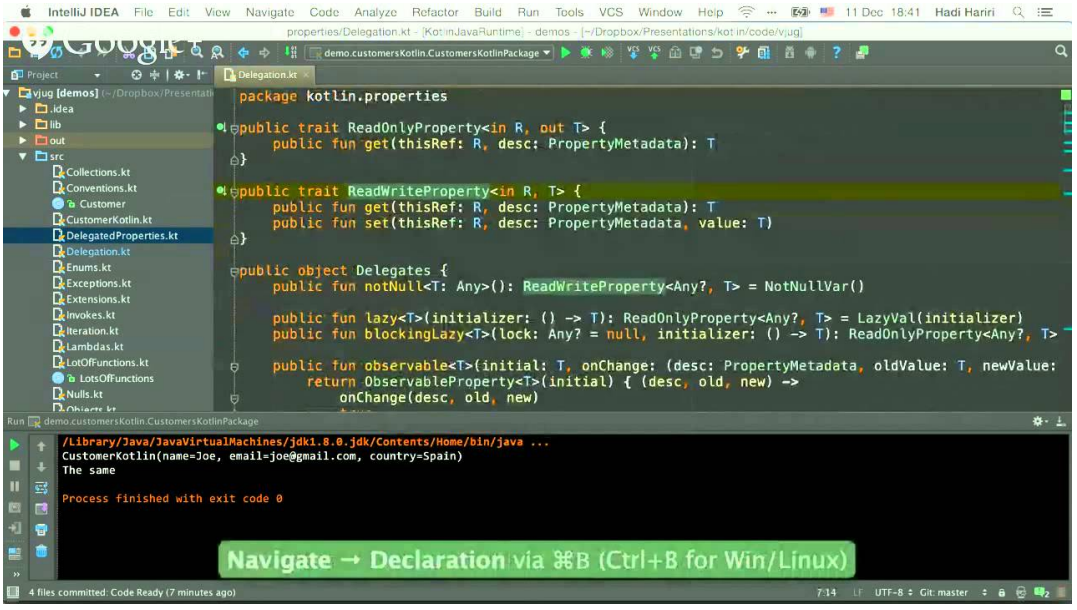
Kotlin for Java Developers



– What are the major advantages/features Kotlin provides
– Why should someone move from Java to Kotlin
– What is the future direction of Kotlin

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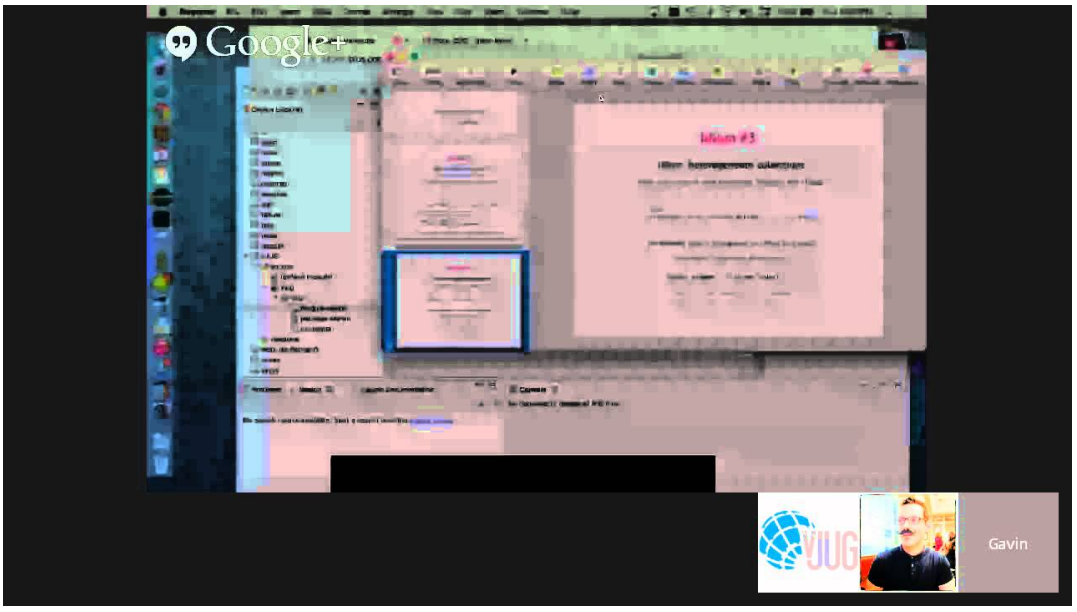
Ceylon for Java Developers



– What are the major advantages/features Ceylon provides
– Why should someone move from Java to Ceylon
– What is the future direction of Ceylon

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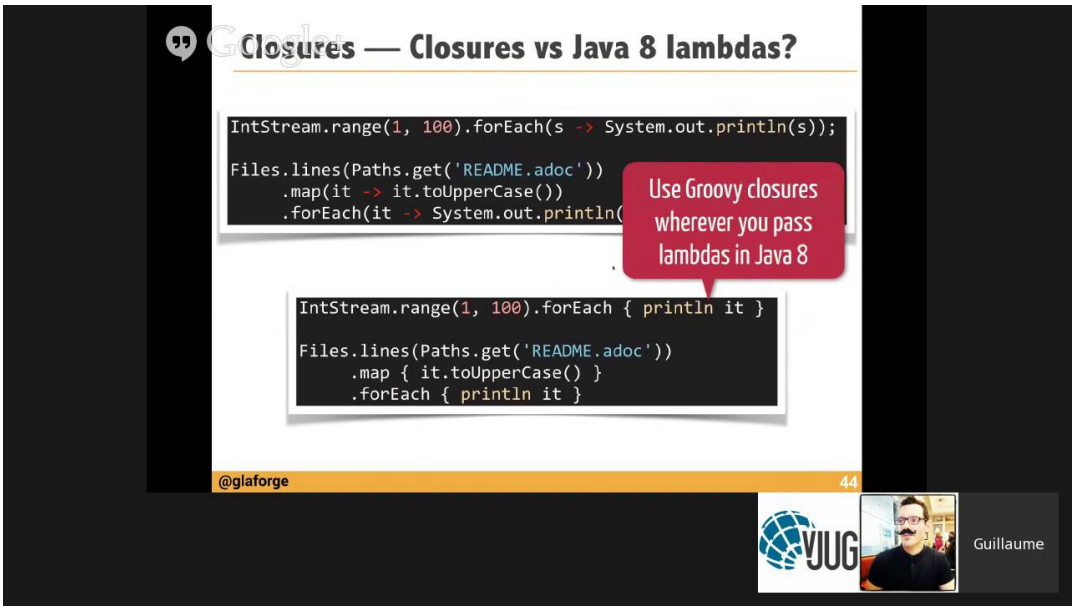
Groovy for Java Developers



Speaker: Guillaume Laforge

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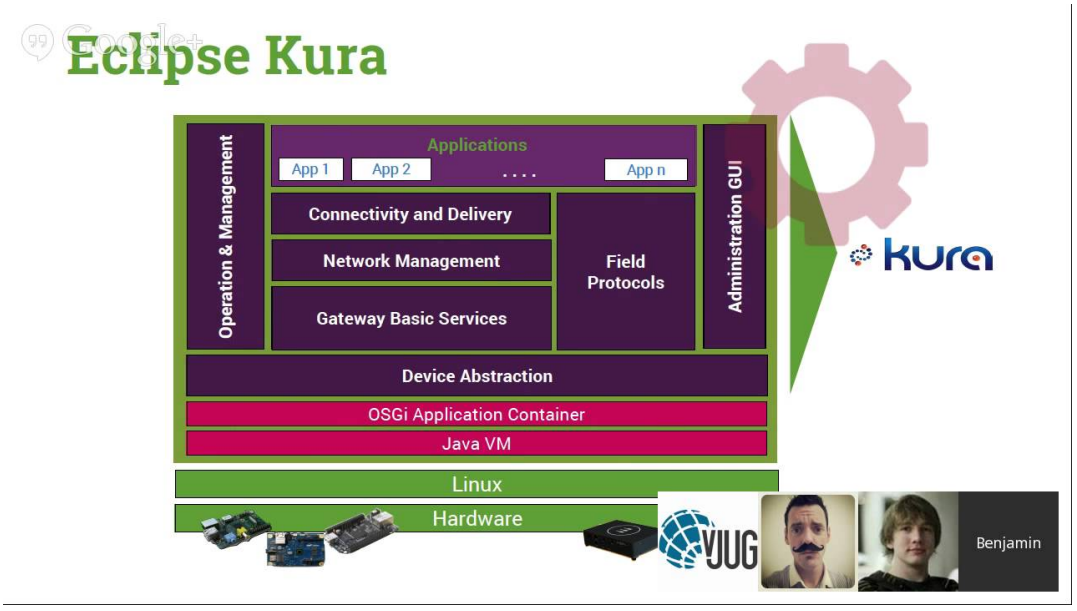
Building the Internet of Things with Java



It may seem hard to get started with the Internet of Things (IoT) with so many technologies, protocols, hardware platforms, involved. In this session, Benjamin Cabé from the Eclipse Foundation will cover all you need to know

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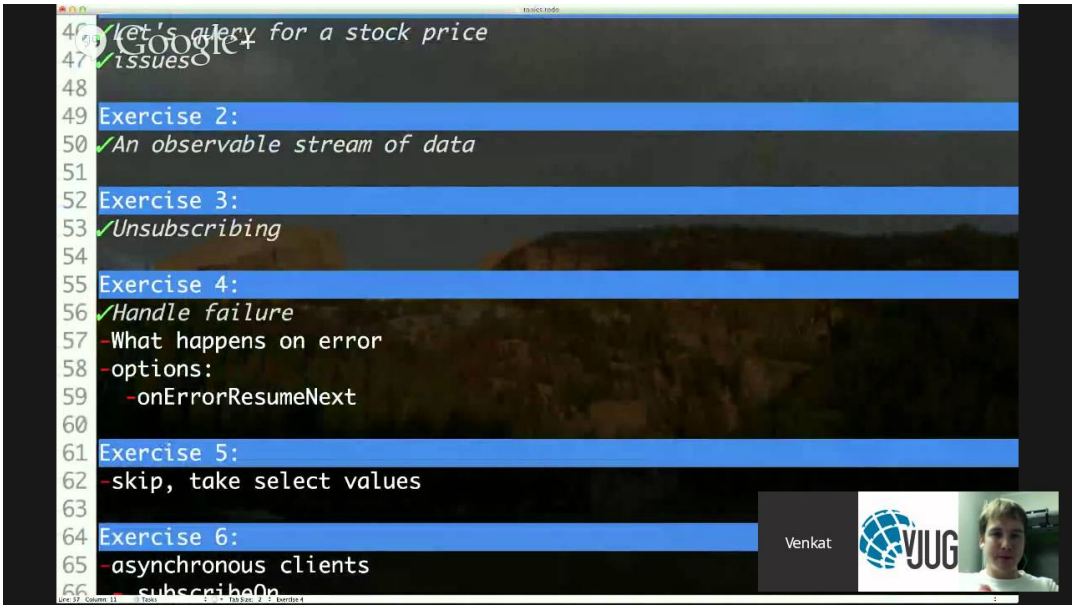
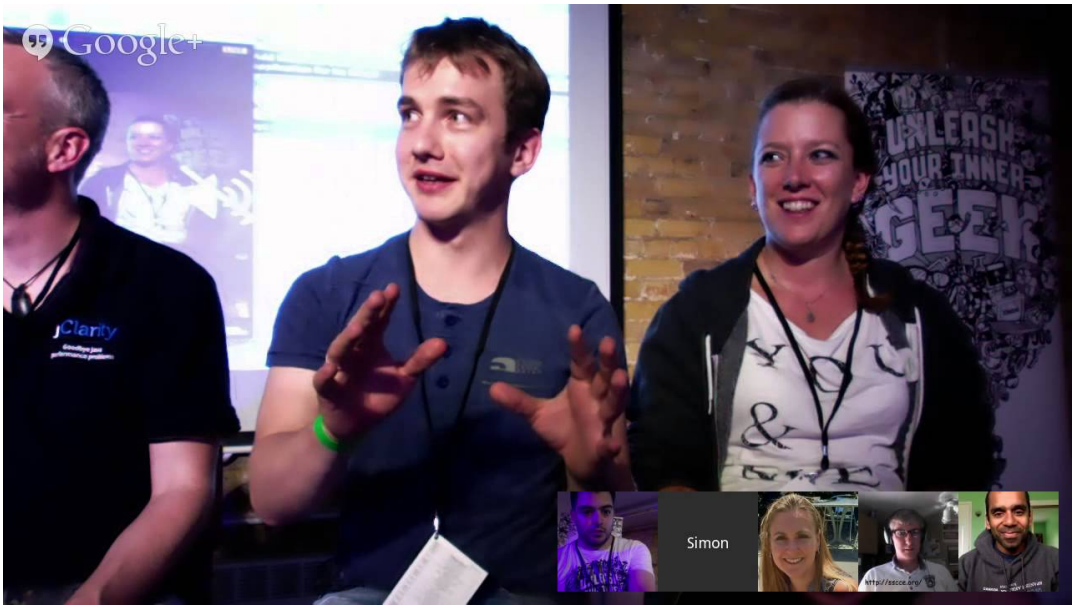
Reactive Programming: Creating highly responsive applications



Reactive Programming in gaining a lot of attention recently, but what is it? It is a culmination of a lot of good ideas developed over the years, but brought together by the forces of recent developments

http://virtualjug.com/?p=1193

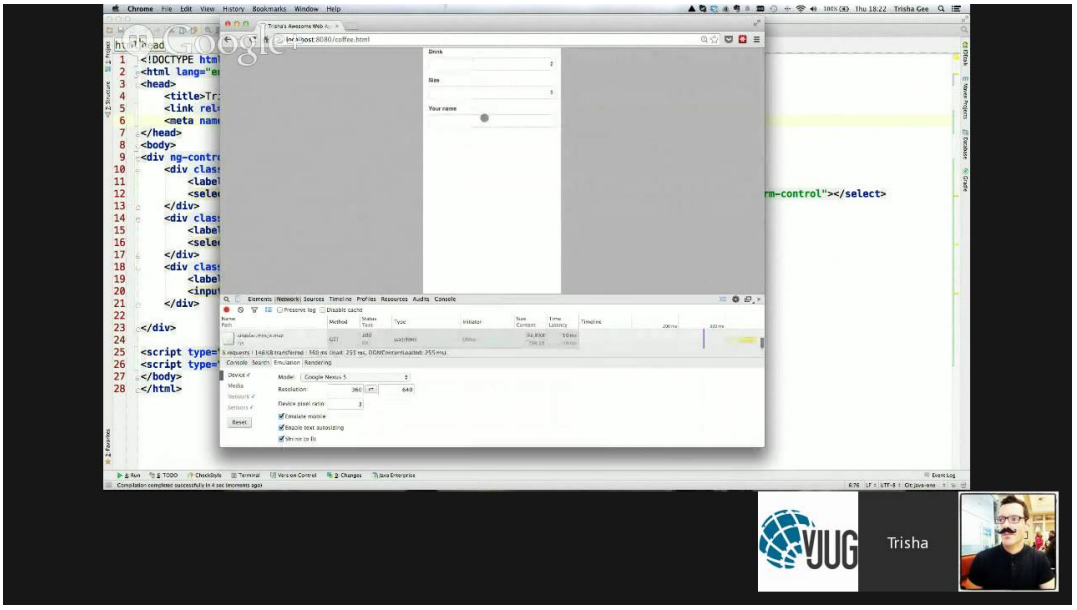
Shaping Java’s future & vJUG party!



Shaping Java’s future & vJUG party!

http://virtualjug.com/?p=1191

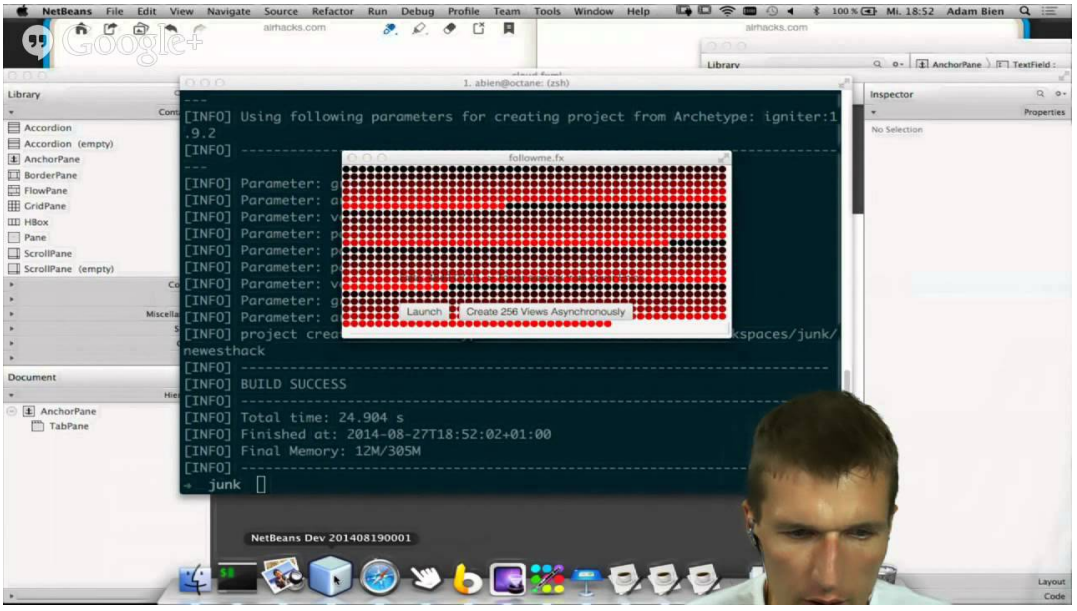
HTML5, AngularJS, Groovy, Java and MongoDB all together – what could go wrong?



Speaker: Trisha Gee

http://virtualjug.com/?p=1188

Opinionated JavaFX 8



Speaker: Adam Bien

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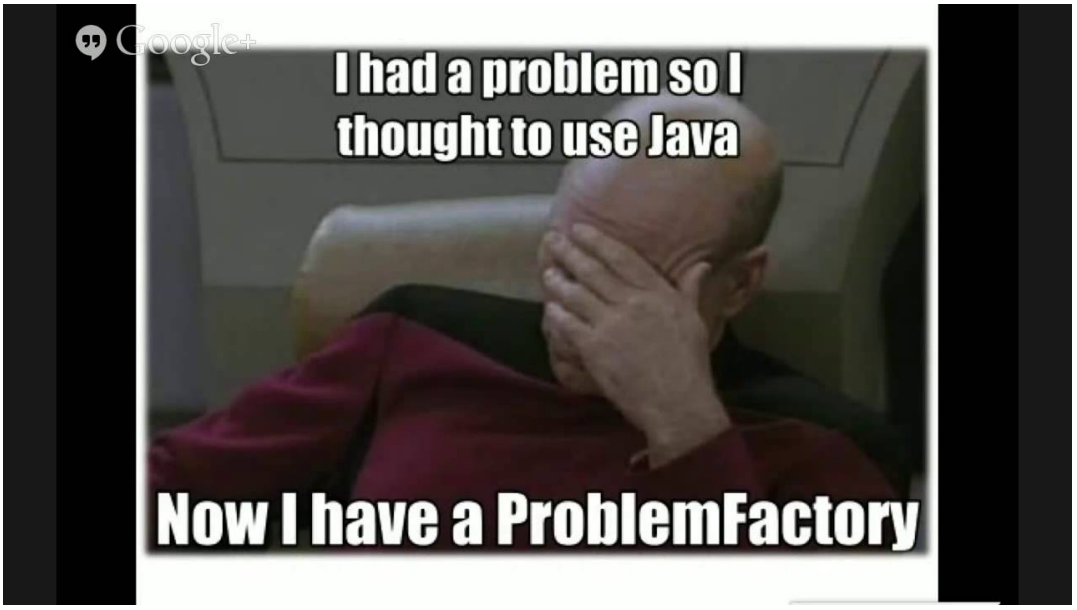
3 years of backend testing at Shazam [the stuff we got wrong]



Speaker: Colin Vipurs

VJUG

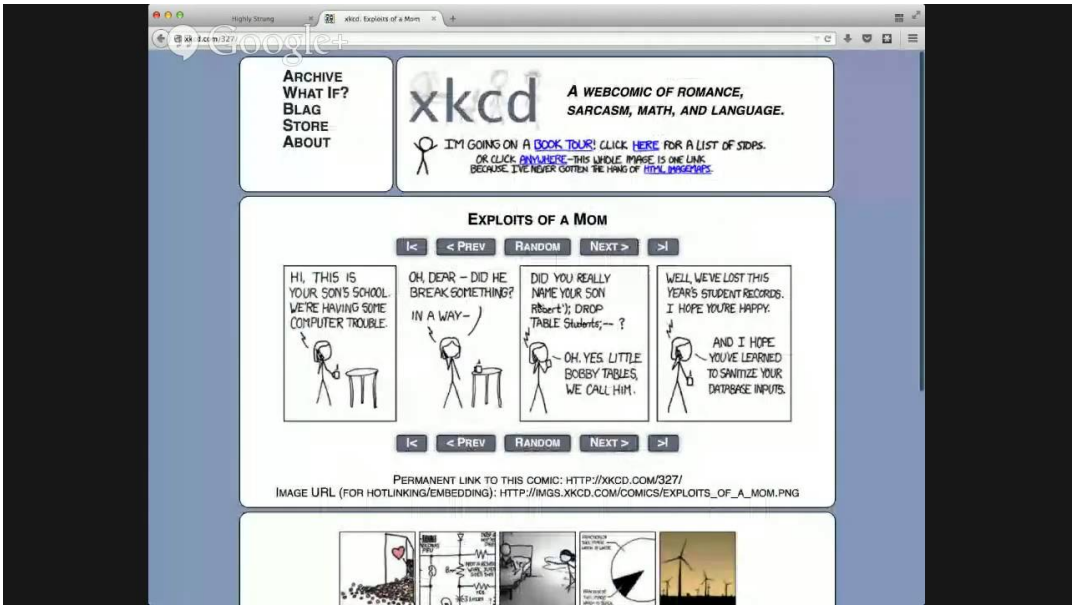
http://virtualjug.com/?p=1155

Pragmatic Functional Refactoring with Java 8

Speakers: Richard Warburton & Raoul-Gabriel Urma

http://virtualjug.com/?p=1152

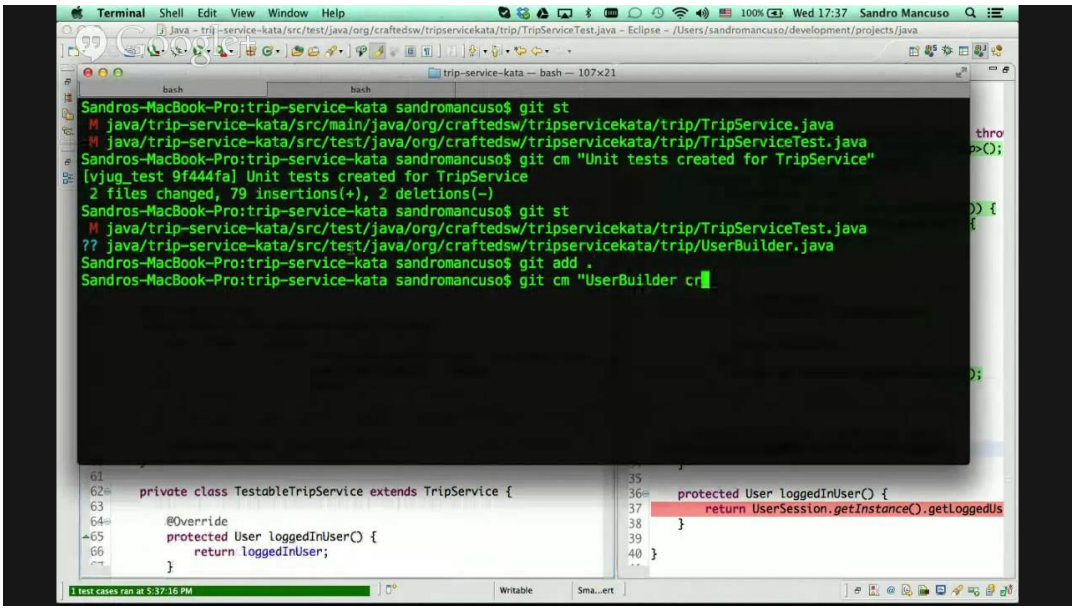
Highly Strung: Understanding your Type System



Highly Strung: Understanding your Type System

http://virtualjug.com/?p=1121

Testing and Refactoring Legacy Code



Speaker: Sandro Mancuso

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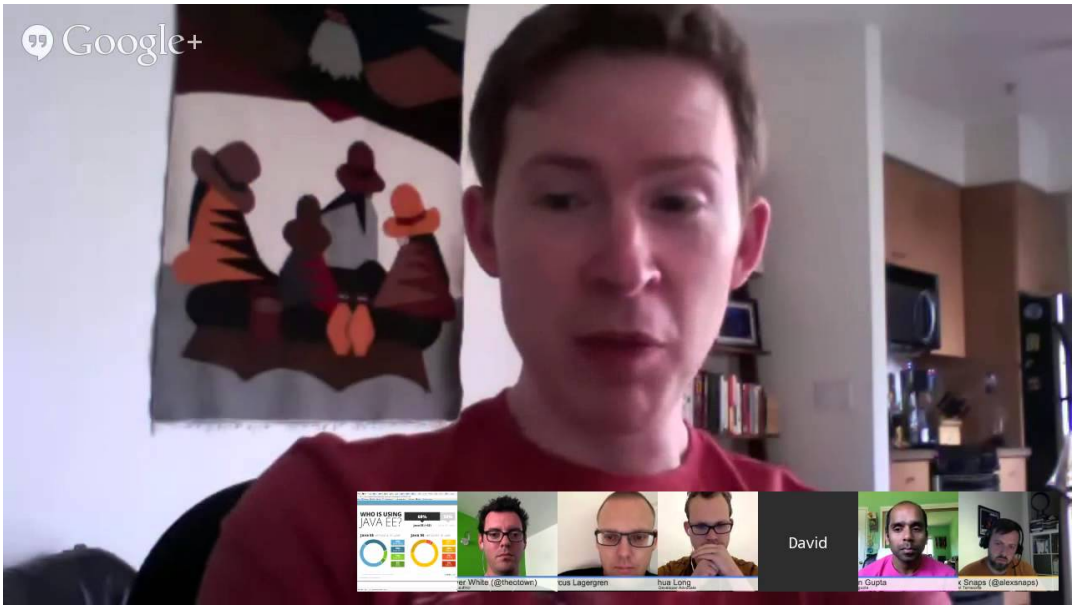
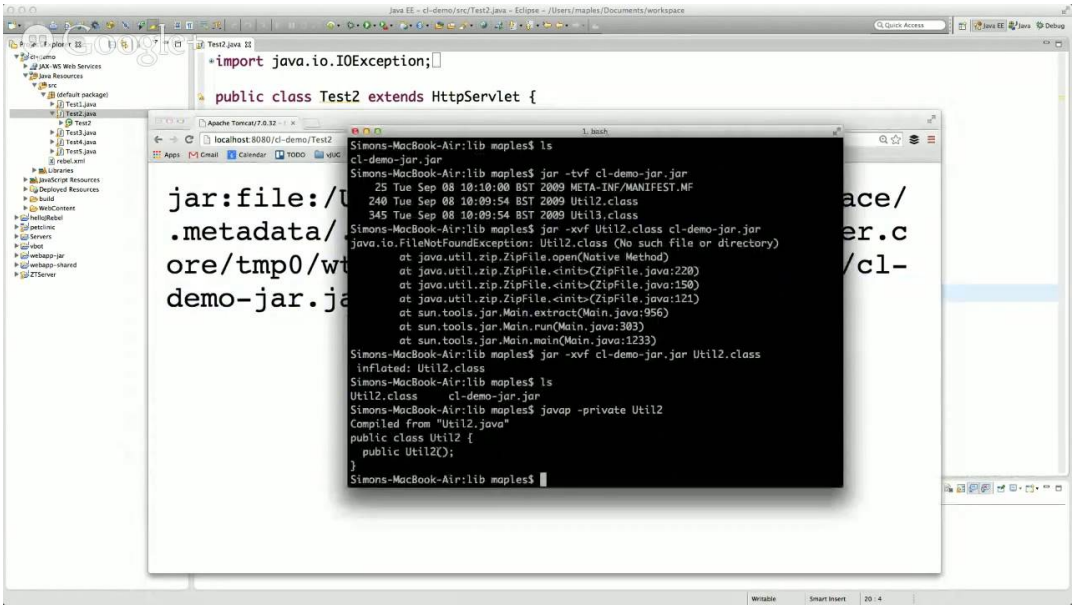
vJUG panel: Review of 2164 Survey Responses on Java Tools and Technology



Speakers: Arun Gupta, Josh Long, Marcus Lagergren, Alex Snaps, David Blevins & Oliver White (Moderator). We look at the recent explosive publication of RebelLabs' "Java Tools and Technologies Landscape for 2014", a beautifully-designed, 56-page snapshot of what over 2000 Java developers from around the world are using in their daily development.

http://virtualjug.com/?p=938

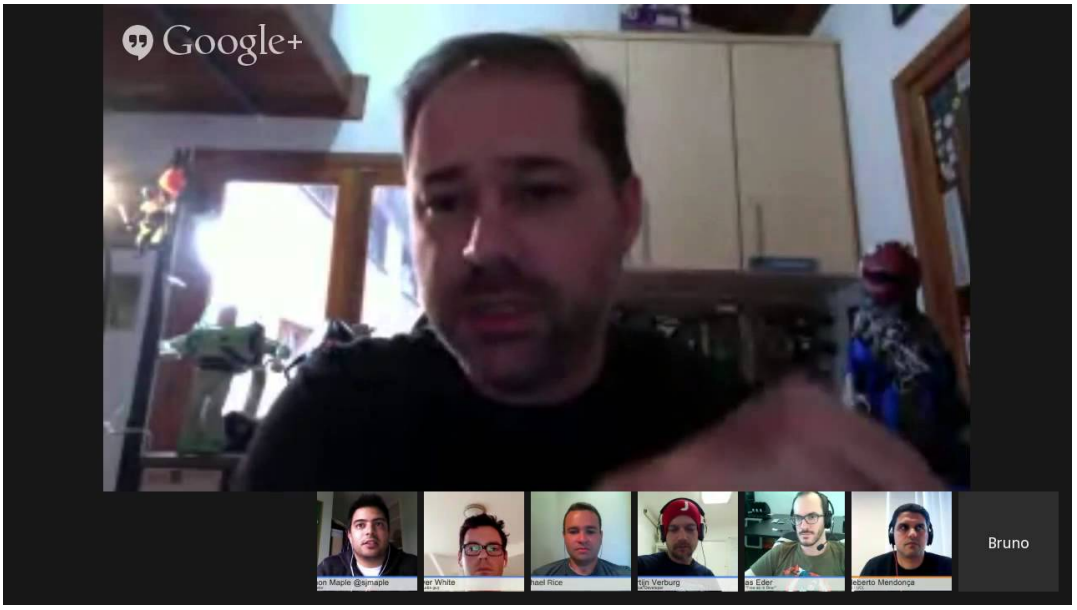
Java Classloaders: The good, the bad and the WTF.



Speaker: Simon Maple.

http://virtualjug.com/?p=936

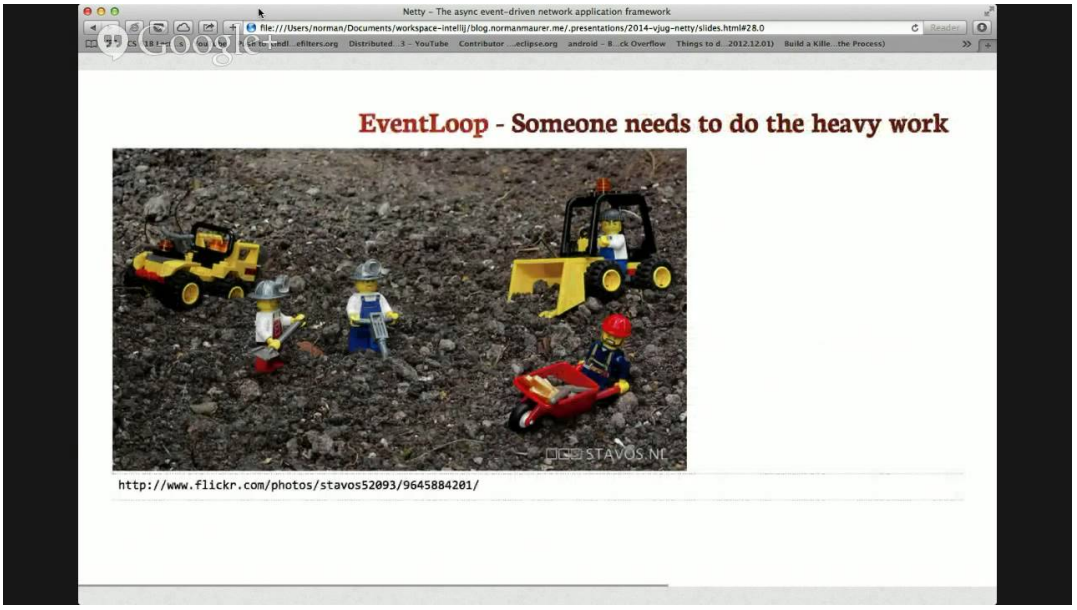
vJUG Panel: What do the Oracle/Google shenanigans mean to the Java Developer?



Speaker(s): Bruno Souza, Martijn Verburg and Hildeberto Mendonça, Lukas Eder & Michael Rice. (Moderated by Simon Maple)

http://virtualjug.com/?p=865

Netty – The async event-driven network application framework



Speaker: Norman Maurer.

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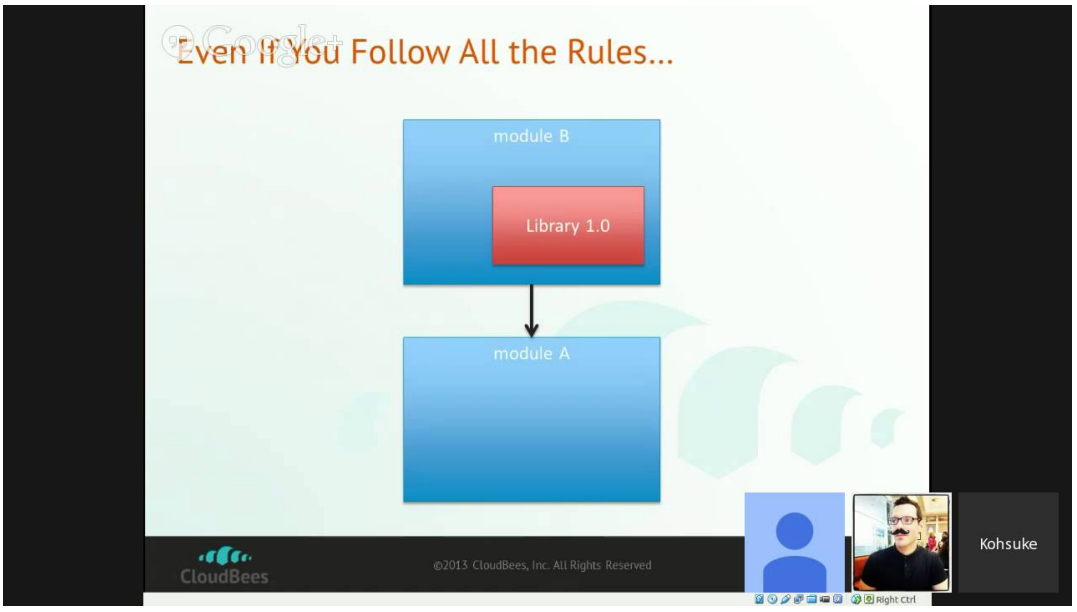
Evolving code without breaking compatibility



Speaker: Kohsuke Kawaguchi

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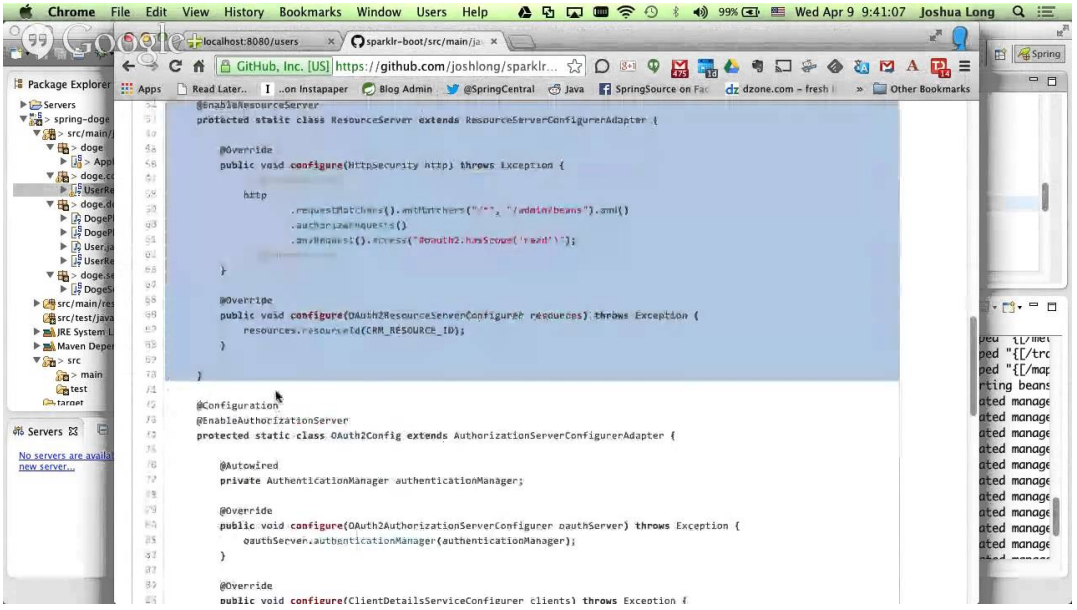
Building Bootiful Applications with Spring Boot



Speaker: Josh Long

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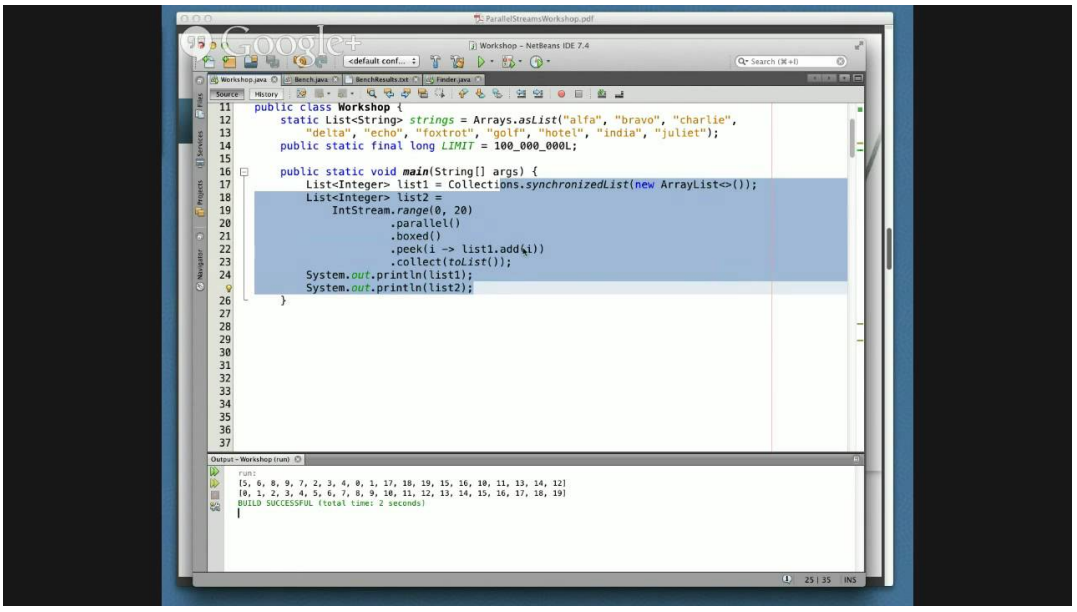
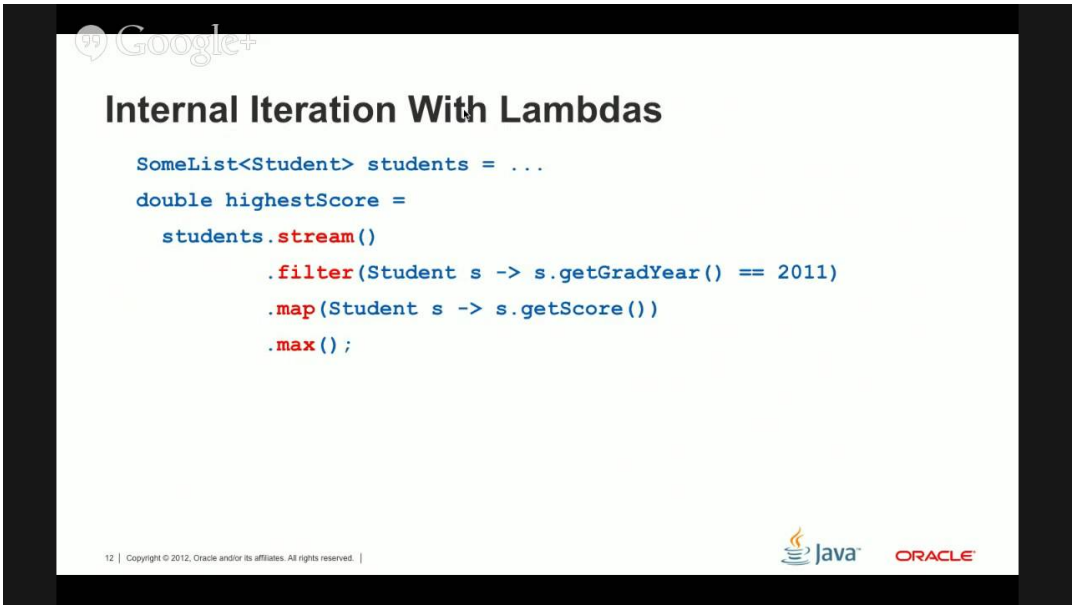
Java 8 Parallel Streams Workshop



Speaker: Stuart Marks.

http://virtualjug.com/?p=155

Project Lambda: Functional Prog. Constructs and Simpler Concurrency in Java SE 8



Speaker: Simon Ritter.

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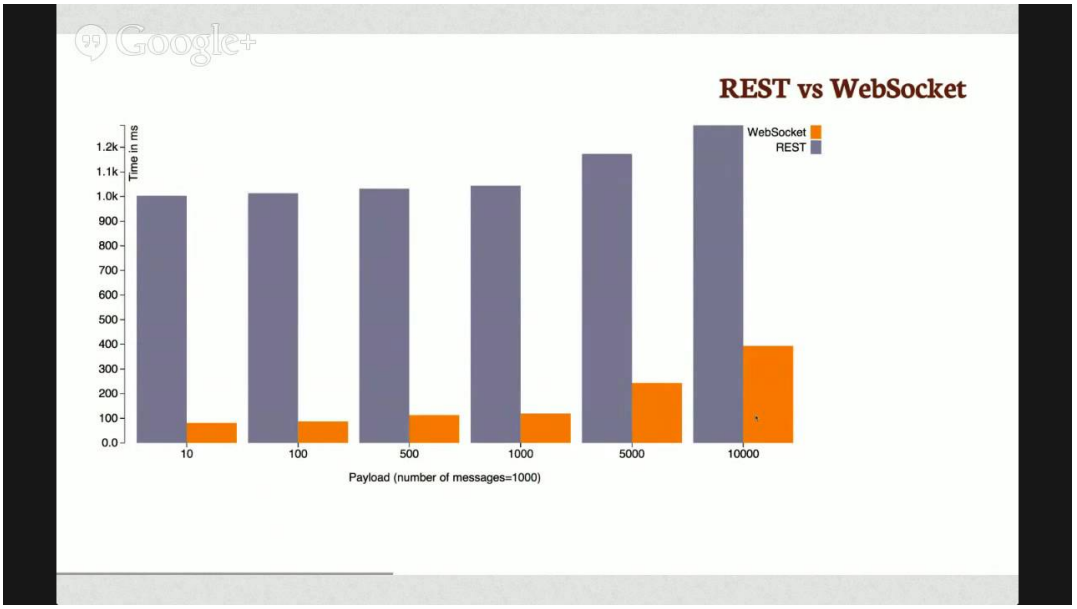
WebSocket Applications using Java EE 7



Speaker: Arun Gupta.

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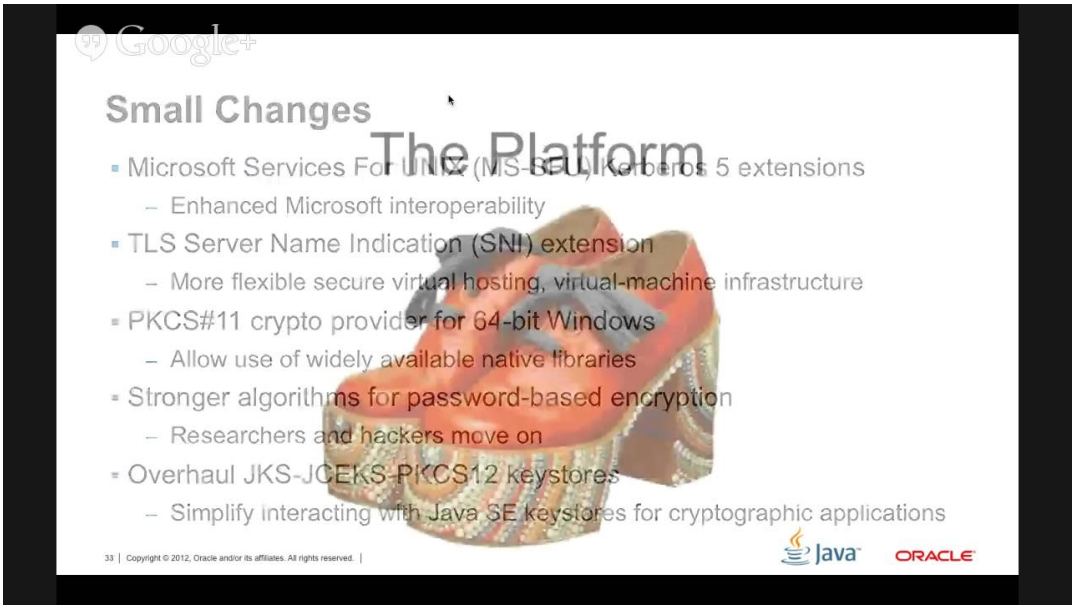
Comparing JVM Web Frameworks

Speaker: Matt Raible

VJUG

http://virtualjug.com/?p=149

55 New Features in Java SE 8



Speaker: Simon Ritter

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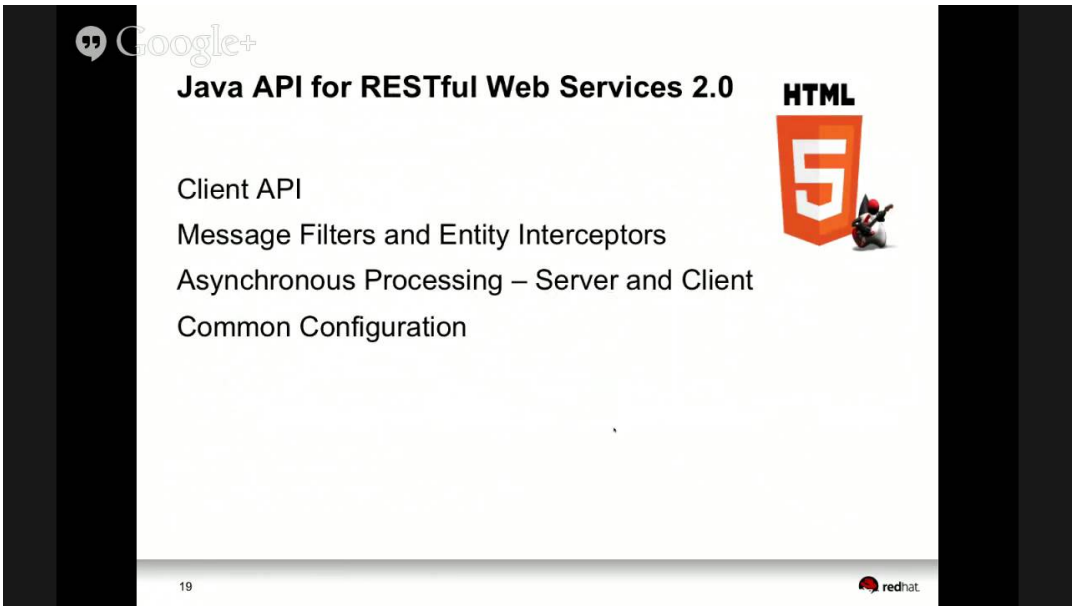
How To Do Kick-Ass Software Development

Speaker: Sven Peters

VJUG

http://virtualjug.com/?p=144

Getting started with Java EE 7



Presenter: Arun Gupta.

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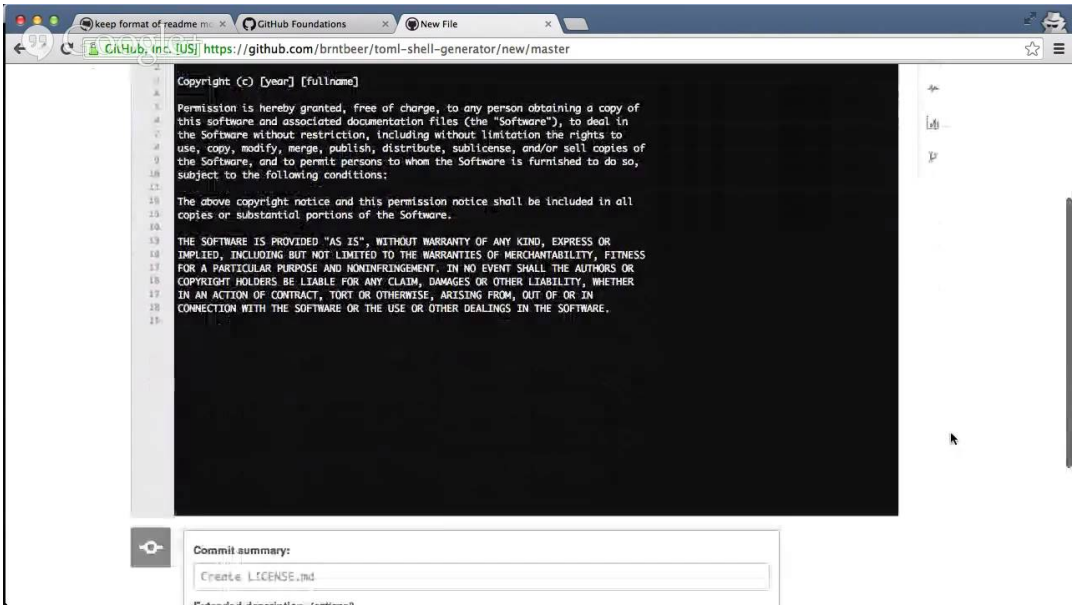
Don’t be that guy! Developer Security Awareness

Presenter(s): Markus Eisele.

http://virtualjug.com/?p=139

Drive-by Contributions



Presenter(s): Brent Beer & Matthew McCullough.

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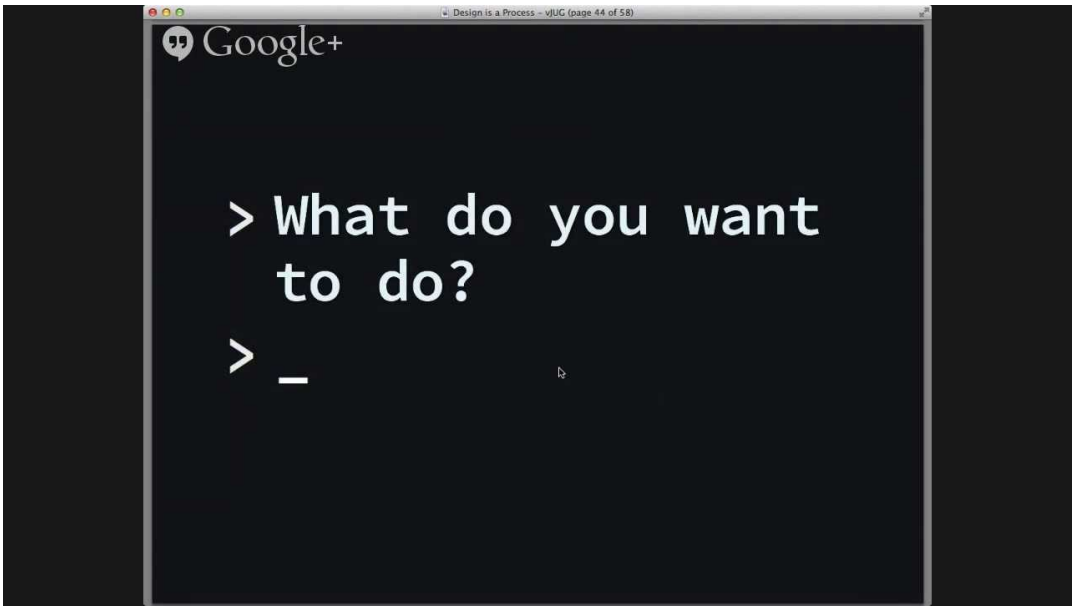
Design is a Process, not a Document



Presenter(s): Trisha Gee.

http://virtualjug.com/?p=132