

JAZOON'08

THE INTERNATIONAL CONFERENCE ON JAVA™ TECHNOLOGY



WITH TOP SPEAKERS:

Dion Almaer · Bela Ban · Adam Bien · Joshua Bloch · Roberto Chinnici
Jérôme Dochez · Roy T. Fielding · Neal Ford · Rod Johnson · Heinz Kabutz
Dierk König · Martin Marinscheck · Ted Neward · David Nüscherer
Martin Odersky · Simon Phipps · James Ward and many more

JUNE 23 – 26 · SIHLCITY · ZURICH · SWITZERLAND

JAZOON08

THE INTERNATIONAL CONFERENCE ON JAVA TECHNOLOGY
JUNE 23 - 26, 2008 ZURICH

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WHERE JAVA PEOPLE MEET



Jürg Eberhard,
Dr. sc. nat. ETH
Conference Manager
CEO, Keynode AG
Keynode is Producer
of Jazoon'08

After the successful kick-off of the first Jazoon Conference in 2007, we are happy to confirm that Jazoon has become a well-known and established Java event "Where Java People Meet!" 800 participants from 28 countries and 110 speakers turned Zurich into the epicenter of the Java and Open Source community for four days.

For this year the Jazoon program committee chaired by Joachim Hagger (CTO of Netcetera) and Patrick Walther (Java User Group Switzerland) has put together a 3-day top conference with high-level international speakers. A pre-conference offering highly valuable tutorials by renowned experts precedes the main conference. The Java community tutorials are even free of charge. Additionally, the post-conference security training in collaboration with The Open Web Application Security Project (OWASP) completes the comprehensive program. The parallel exhibition and many networking opportunities – also during social events such as

the Euro 2008 soccer championships – will make Jazoon'08 an absolute must for Java developers, architects and IT decision-makers.

The feedback for our Call for Papers with 80% more submitted proposals was a proof for us that there is a need for IT experts to come together and exchange their knowledge and discuss the latest trends face-to-face. When asking last year's participants what they liked most about Jazoon it was definitely the combination of top speeches together with numerous opportunities to meet and discuss with colleagues over a good cup of (Java) coffee! I would like to take this opportunity to thank our sponsors and partners for their active support.

Join in, be part of Jazoon and register now!

Conference schedule

| Mon · June 23 | Tue · June 24 | Wed · June 25 | Thu · June 26 | Fri · June 27 |
|---|---|--|---|---|
| Tutorials 09:00 – 15:00 / 16:00 – 19:00 | Opening Session 10:30 – 12:30 | Keynotes 09:30 – 10:30 | Keynotes 09:30 – 10:30 | OWASP Security Training 09:00 – 17:00 |
| | Technical Sessions / Labs 14:00 – 15:50 / 16:30 – 18:20 19:00 – 20:30 Jazoon Cutting-Edge | Technical Sessions / Labs 11:00 – 12:50 / 14:00 – 15:50 16:30 – 18:20 | Technical Sessions / Labs 11:00 – 12:50 / 14:00 – 15:50 | |
| | BOF's 20:45 – 22:00 | BOF's 19:30 – 21:00 | | |
| | Exhibition 12:30 – 19:30 | Exhibition 10:30 – 19:30 | Exhibition 10:30 – 16:00 | |
| | Jazoon After Hours 18:00 – 22:00 brought to you by CREALOGIX | Jazoon After Hours 18:00 – 22:00 Euro 2008 Semi-final 20:45 – 22:30 | Jazoon Jam 16:00 – 16:50 | |

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Joshua Bloch

Google

Thu 2008-06-26 09:30 - 10:30 - Arena 5



Joshua J. Bloch is a software engineer, currently a Principal Engineer at Google, and a technology author. He led the design and implementation of numerous Java platform features, including the Java Collections Framework, the `java.math` package, and the `assert` mechanism. He is the author of the programming guide *Effective Java* as well as the co-author of two other Java books.

Joshua Bloch holds a B.S. in Computer Science from Columbia University and a Ph.D. in Computer Science from Carnegie-Mellon University.

The long-awaited second edition of *Effective Java* is here! It covers the latest in best practices for the Java platform. This presentation will concentrate on three areas where new material has been added to the book: enum types, generics, and concurrency. Do you want to know how to combine the safety and richness of collections with the performance of bit fields? Have you ever been confused by wildcard types? Do you want to know when and how to use lazy initialization? Then come to this talk. The patterns and idioms you learn will be directly applicable to your programs and designs.

Open Architecture

(5160)

Roy T. Fielding

Day Software

Wed 2008-06-25 09:30 - 10:30 - Arena 5



Roy T. Fielding is Chief Scientist for Day Software, cofounder of the Apache HTTP Server Project, and former chairman of the Apache Software Foundation. He defined the REST architectural style and wrote the standards for HTTP and URI

At the heart of most successful open source projects is an emphasis on open architecture -- at least one mechanism that allows the product to be utilized as a support network for unanticipated extensions and independently motivated functionality. Such extensibility mechanisms allow an open source project to decentralize its evolution and take advantage of Internet-scale collaboration. However, they can also be a source for unnecessary complexity and hidden barriers to entry.

Representational State Transfer (REST) is an architectural style that I developed to describe and redefine the World Wide Web. The essential constraints of REST are designed to promote the development of open architectures within Web-based applications, such that the resulting resources are reusable across independently developed systems (today, we call these "MashUps"). The same principles can be used to design other open architectures, though not necessarily with the same constraints. This talk will focus on applying principled design techniques to the...

Where Will Tomorrow's Innovation Come From in Enterprise Java?

(5202)

Rod Johnson

SpringSource

Tue 2008-06-24 10:30 - 12:30 - Arena 5



Rod Johnson has served as the President and CEO of SpringSource since inception and has over 12 years of technology and management experience.

Rod conceived of and initiated the development of Spring. The Spring Portfolio of open source projects was based on the code published with Rod's best-selling *Expert One-on-One J2EE Design and Development* (2002). This book was one of the most influential books ever published on J2EE and the sequel, *J2EE without EJB* (July 2004, with Juergen Hoeller), has proven almost equally significant, establishing a comprehensive vision for lightweight, post-EJB J2EE development.

Rod is one of the world's leading authorities on Java and J2EE development. He is a best-selling author and open source thought leader, as well as a popular conference speaker. Rod founded SpringSource and has been its CEO since inception.

...

It's clear that we are headed for continued change in enterprise Java. Business requirements are changing, with the rise of SOA and a richer web experience. Scripting languages and productivity frameworks such as Ruby on Rails are placing welcome pressure on enterprise Java to enable developers to deliver results quicker. The traditional application server seems less and less relevant in today's environment--especially as transformational technologies such as OSGi move to center stage.

In this keynote, Rod Johnson will consider where tomorrow's innovation will come from in enterprise Java. How will the role of the JCP change? Will other standards bodies play a role? Will end users be more empowered--and how can you help to shape the future? How will the continued rise of open source affect the platform--especially with Sun's recent embrace of open source, and the emergence of a significant and sustainable open source industry?

Ted Neward

Neward & Associates

Wed 2008-06-25 09:30 - 10:30 - Arena 5



Ted Neward is a software architect, trainer, mentor, author and speaker on the area of programming languages, virtual machines including the Java Virtual Machine and Microsoft CLR, and enterprise systems. He has given over 300 presentations and conducted nearly a hundred training courses since 2000, on the subjects of Java, .NET, XML services and programming language futures. He was the keynote speaker at the inaugural Jazoon 2007, and returns again in 2008 to do the same. His website lives at www.tedneward.com, and his blog can be found at <http://blogs.tedneward.com>, where he talks at length about languages, language design, virtual machine implementations, security, and a whole slew of other related topics.

The Challenge of Scalable Languages

(5242)

Martin Odersky

EPFL - Speaker presented by ELCA

Tue 2008-06-24 10:30 - 12:30 - Arena 5



Martin Odersky is a professor at EPFL in Lausanne, Switzerland. His research interests focus on programming languages, more specifically languages for object-oriented and functional programming. His research thesis is that the two paradigms are just two sides of the same coin and should be unified as much as possible. To prove this he has experimented with a number of language designs, from Pizza to GJ to Functional Nets. He has also influenced the development of Java as a co-designer of Java generics and as the original author of the current javac reference compiler. His current work centers around the Scala programming language, which unifies FP and OOP while staying completely interoperable with Java and .NET

Speaker presented by ELCA

Today's software landscape resembles increasingly a tower of Babel: Systems are built using many different languages, combining server-side and client-side languages, scripting and systems programming languages, general and domain specific languages, all glued together with a hefty amount of XML. The advantage of this approach is that each individual language can be tailored to a specific application domain. Its disadvantage is that the necessary amount of cross-language glue can make applications cumbersome to write, deploy, and maintain.

An alternative is offered by scalable languages, which can be used for many different applications, ranging from small scripts to very large systems. An important aspect of a scalable language is that it itself is extensible and malleable. It should be possible to define very high-level libraries in it, which act in effect as specialized domain...

The Adoption-Led Market

(5240)

Simon Phipps

Sun Microsystems Inc.

Tue 2008-06-24 10:30 - 12:30 - Arena 5



Simon Phipps is the Chief Open Source Officer at Sun Microsystems, co-ordinating Sun's extensive participation in free and open source software communities and actively participating in the global conversation they express. Prior to this appointment he co-founded Sun's pioneering staff weblog facility at blogs.sun.com.

A computer industry insider of 20+ years standing, Simon has worked in such hands-on roles as field engineer, programmer and systems analyst as well as being involved at a strategic level in some of the world's leading computer companies. Fascinated by the idea of action at a distance, he worked with OSI standards in the eighties, on the first commercial collaborative conferencing software in the nineties, and helped introduce both Java and XML at IBM. He joined Sun in mid-2000.

He takes an active interest in several free/open source software organisations, including serving on the Advisory Board of the GNOME Foundation. He holds a degree in...

Open Source will form the root of 70% of commercial software by 2012 according to Gartner. The emergence of Free software from niche to mainstream is bringing about a shift in the way software enters business. This keynote explores the adoption-led trend and considers its consequences for the Free/Open Source Software (FOSS) movement.

GlassFish Community Day

(5140)

Jérôme Dochez

Sun Microsystems, Inc



Jérôme DOCHEZ is the GlassFish Architect. He's a Senior Staff Engineer at Sun Microsystems located in Santa Clara, California (USA). Jerome has been working in J2EE technologies since 2000. He was the architect for the Java AVK, then technical lead for deployment and web services. He also provided the Mac OS X support of the GlassFish project. Before J2EE, still in the Java Software organization, he participated to the JavaBeans first specification (with Eduardo Pelegri Llopert) and moved on to create the Java Plug-in. Today, Jerome is the GlassFish architect and overall technical lead. He is looking at the future of the implementation as well as driving the stability of the next release of GlassFish. He still participates to...

Mon 2008-06-23 09:00 - 15:00 - Arena 7

The GlassFish Day is a community event and your chance to meet the key engineers and leads for projects like the GlassFish application server, the Metro Web Services stack, Jersey, OpenDS, OpenPortal, OpenESB, OpenSSO, jMaki, and more. The event is meant to be interactive and diverse. Customer use-cases for production uses of GlassFish will also be presented.

Java Generics Explained - Everything You Ever Wanted to Know About Java Generics But Were Afraid to Ask

(5040)

Angelika Langer

Angelika Langer Training & Consulting



Angelika Langer works as a trainer and mentor with focus on software development in C++ and Java. She is author of the online java generics FAQ, co-author of the book "Standard C++ IOStreams and Locales", author of countless articles on C++ and Java, a veteran columnist of JavaSpektrum (Effective Java), and a recognized speaker at conferences world-wide (OOPLSA, JavaOne, and many more). A more comprehensive bio can be found at www.AngelikaLanger.com.

Mon 2008-06-23 16:00 - 19:00 - Arena 6

Generic and parameterized types and method, collectively known as Java Generics, are an integral part of the Java programming language since Java 5.0. They affect almost every Java programmer because numerous of the most popular JDK classes are generic types. Many, even seasoned Java developers were taken aback by the occasional complexity of the related language features, probably because generics unlike all other Java language features have a substantial learning curve. In this tutorial we take a closer look at the language feature, how it is supposed to be used, and where its limitations are. The tutorial is intended as a mob programming session, which means that after an initial...

The Busy Java Developer's Guide to Groovy - Everything You Ever Wanted to Know About Groovy to Get Stuff Done

(5041)

Ted Neward

Neward & Associates



Ted Neward is a software architect, trainer, mentor, author and speaker on the area of programming languages, virtual machines including the Java Virtual Machine and Microsoft CLR, and enterprise systems. He has given over 300 presentations and conducted nearly a hundred training courses since 2000, on the subjects of Java, .NET, XML services and programming language futures. He was the keynote speaker at the inaugural Jazoon 2007, and returns again in 2008 to do the same. His website lives at www.tedneward.com, and his blog can be found at <http://blogs.tedneward.com>, where he talks at length about languages, language design, virtual machine implementations, security, and a whole slew of...

Mon 2008-06-23 16:00 - 19:00 - Arena 7

Groovy has exploded onto the Java scene as a more dynamic, less restrictive and, in some cases, more productive alternative to the Java language. Much has been made of Groovy's web framework, Grails, but less attention has been paid to the actual language itself. Considering that Groovy is the bedrock upon which Grails rests, it's time to put that disparity to bed. In this tutorial we take a closer look at the language, how it is used in a variety of libraries/extension to the Java language and library set, and where its limitations are. The tutorial will be an "agile" presentation, in that the audience will be fully involved in setting the agenda, participating in the discussion, and suggesting...

NetBeans Day - Get to know the only Java IDE you need

(5080)

Roman Strobl

Sun Microsystems



Roman Strobl works at Sun Microsystems as technology evangelist with focus on development tools. He has many years of experience doing software development in Java and all sorts of dynamic languages. He is a frequent speaker at Java conferences and at Java User Group meetings. He is also a passionate blogger and producer of the NetBeans Podcast.

Roman is co-founder of Czech Java User Group and enjoys working with open source communities. He is always available to discuss NetBeans, Java, open source and related topics over a glass of beer.

...

Mon 2008-06-23 09:00 - 15:00 - Arena 6

The NetBeans WorldTour is a FREE and exciting learning opportunity. See first-hand how the NetBeans IDE is the only IDE you need. Members of the NetBeans team will demonstrate what's new in NetBeans 6.0, how NetBeans supports the hottest scripting languages (Ruby, JavaScript, JavaFX and PHP), how NetBeans makes it a snap to build Rich Internet Applications (using AJAX, jMaki, REST, etc.) and applications for mobile phones and PDAs, and how you can reuse existing code from the NetBeans platform to quickly create your own desktop applications. The NetBeans WorldTour is a great opportunity for community members to connect with each other face-to-face, interact with the NetBeans team, meet Java luminaries, and...

Technical Sessions

Web 2.0 GIS: Integrating Google Maps into ESA's existing EOPI Portal (3380)

Patrick Aebischer
Maqsis GmbH

Thu 2008-06-26
11:30 - 11:50 - Arena 8



The Earth Observation section of the European Space Agency (ESA) provides remote sensing data to research teams from various countries and offers as well a portal for information exchange and collaboration. Reports and data submitted to this portal have a geographic location and thus are well-suited to being displayed on a map.

This presentation aims to give a brief background on basic geographic information system functionality (GIS), the principles of web-mapping applications and in particular the usage of the Google maps API. In a step-by-step guide with code examples we will show how such an AJAX-based application can be created, thus giving...

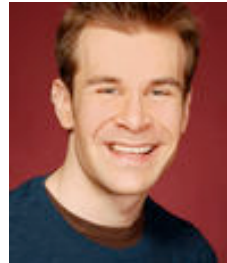
It's evolution, baby! Bijection replaces dependency injection (4300)

Dan Allen

Thu 2008-06-26

TetraTech, Inc. | Manning | JBoss Committer

11:30 - 11:50 - Arena 5



Dependency injection, by far the most popular adaptation of the Inversion of Control (IoC) principle, has been the driving factor of POJO-based development for many years. But, for as much as dependency injection has been studied, discussed, and presented, no significant improvements have been made to its design since its emergence. That is, until now. This session introduces bijection as an evolutionary development of dependency injection. Bijection forms the basis of the IoC container in JBoss Seam.

Classic dependency injection has two major limitations that render it inadequate for use in...

Stacking the deck by integrating Spring beans and Seam components (4302)

Dan Allen

Wed 2008-06-25

TetraTech, Inc. | Manning | JBoss Committer

12:00 - 12:50 - Arena 8



The Spring Framework and JBoss Seam are both lightweight inversion of control (IoC) and aspect-oriented (AOP) containers that champion the POJO programming model, though with slight variations. Each framework offers a dependency injection (DI) mechanism, ORM integration, declarative transactions, web service clients and endpoints, asynchronous messaging support, and other parallel integrations. The apparent overlap in the goals and features of these two frameworks has bred staunch competition amongst them, causing sparks to fly at times. This situation leaves the developer feeling conflicted as to which framework to employ and master. The choice, however, is not an exclusive one...

tba (5248)

Dion Almaer

Thu 2008-06-26

Google

15:00 - 15:50 - Arena 8



tba

Issues in Developing a Network-wide Track Management System for the Swiss Railway (3440)

Patrik Auf der Mauer

Thu 2008-06-26

Netcetera

12:00 - 12:50 - Arena 6



The Swiss National Rail system was established in a popular referendum in 1898, where it was agreed to merge the numerous existing regional railways into a single state-owned system. Currently, there are about 285 million travellers and 60 million tons of goods moved per year, between 824 stations, over 3000 km of standard gauge track and with a punctuality record (within 5 min) of 96.2%.

One of the great many coordinated activities needed to be executed for providing such quality of service is the long term planning and management of the network-wide track system. Increasingly, traditional planning and...

Cluster your POJOs with PojoCache (2340)

Bela Ban

Wed 2008-06-25

JBoss / Red Hat

17:30 - 18:20 - Arena 8



The goal of this talk to show how JBoss PojoCache can add clustering capabilities to POJOs in a non-intrusive manner.

We will start by giving an overview of PojoCache by discussing its architecture, features and API.

Then we will show a practical example of how to make a regular POJO clustered, ie. multiple replicas of the POJO exist on different nodes across the cluster and modifications to any replica are applied to all replicas.

We will also look at enterprise features, such as transactional clustered access to POJOs, cache...

Java ME Radical GUI Makeover with Ajax Mash-up (5247)

Terrence Barr

Tue 2008-06-24

Sun Microsystems GmbH

14:00 - 14:50 - Arena 9



Tired of plain old Java ME Icdui-based apps? Want to spice up your applications with slick high-resolution graphics, animations, and effects and make them more usable and engaging? SVG (scalable vector graphics) and JSR 226 are your ticket. This presentation is an introduction into SVG, JSR 226, and Ajax technologies, and a step-by-step approach with complete source code to building a full-blown and useful mash-up application.

Eclipse Java Development Tools 3.4 New and Noteworthy (2901)

Benno Baumgartner

Thu 2008-06-26

IBM Rational Zurich Research Lab

11:00 - 11:20 - Arena 5



The Java Development Tools, which is released within the Eclipse SDK, is one of the most widely used development environments among Java developers. The upcoming 3.4 release of Eclipse will contain many new JDT features which help to improve the Java development experience. In this short overview the JDT team will demonstrate the most important new JDT features and how to use them.

The intended audience for this short talk are users of JDT. The attendees learn how to use the new features and understand how these features can improve their productivity in their day to day work.

Technical Sessions

JSR-303: From a world of Constraints to Constrain the world (3820)

Emmanuel Bernard

JBoss, a division of Red Hat

Wed 2008-06-25

15:00 - 15:50 - Arena 8



Constraints are at the very core of our data, they help increase quality and relevance. Validating the data as often as possible is thus a good step towards the quality road.

In traditional Java applications, validation are applied at different levels and different layers, typically:

- the database layer (table / column constraints)
- the ORM layer
- the service layer
- the presentation layer
- the client side layer

Unfortunately, this leads to constraint declaration duplications for each layer and increases the...

A quick guide to modern languages and interesting concepts for the busy Java programmer (5249)

Cédric Beust

Google

Tue 2008-06-24

15:00 - 15:50 - Arena 3



A lot of new languages have emerged to challenge Java these past years: Ruby, Scala, Groovy, Erlang, etc... Can Java survive? In this presentation, I will do a quick analysis of these various languages and explain why, despite its old age, Java is in the best position to face the challenges that await software developers for the next decade. I will cover topics such as dynamic and duck typing, functional programming, concurrency, distribution and much more.

Glassfish V2/V3 - the killer appserver for development and production (2562)

Adam Bien

adam-bien.com

Thu 2008-06-26

14:00 - 14:50 - Arena 9



This session introduces Glassfish v2/v3 to developers from the view of an independent Java EE developer. Especially capabilities like:

- Monitoring of Java EE 5 applications
- Hot Deployment
- Effective development of Java EE 5
- Documentation and access to resources
- Appserver, JVM, Configuration
- IDE integration
- Clustering (Shoal)
- Upgrades, Classpath settings
- Migration from other application servers

Also useful information for daily work with glassfish, as well as testability, performance scalability etc. are highlighted during this talk...

Java Puzzlers, Episode VI: The Phantom-Reference Menace/Attack of the Clone/Revenge of the Shift (5620)

Joshua Bloch

Google

Thu 2008-06-26

14:00 - 14:50 - Arena 5



Josh Bloch presents yet another installment in the continuing saga of Java Puzzlers, consisting of eight more programming puzzles for your entertainment and enlightenment. The game show format keeps you on your toes while the puzzles teach you about the subtleties of the Java programming language and its core libraries. Anyone with a working knowledge of the language will be able to understand the puzzles, but even the most seasoned veterans will be challenged. The lessons you take from this session are directly applicable to your programs and designs. Some of the jokes may even be funny. If you loathed Episodes I V, you'll detest Episode VI. Come early, because override fruit...

JavaServer Faces and Portlets (2500)

Andy Bosch

Independent Consultant

Tue 2008-06-24

16:30 - 17:20 - Arena 8



The application of JavaServer Faces as UI framework has certainly proved to be worthwhile within the last years. Pioneering work is (still) required though, if JavaServer Faces is to be used in a portal environment (JSR-168).

As both frameworks have different life cycles, these have to be fitted to another first. This is done by so-called bridges. The standardization of these JSF portal bridges has been done in JSR-301 for several months. This is to create a general standard for the application of JSF within a portal environment.

The lecture will show the difficulties and...

Dtrace for Java Developers (4260)

Jason Brazile

Netcetera

Thu 2008-06-26

11:00 - 11:20 - Arena 8



Sun's dynamic tracing tool DTrace is now available on at least three different platforms: (Open) Solaris 10, MacOSX 10.5 (Leopard) and FreeBSD (7+). Although a large number of alternative tools exist for the analysis and profiling of Java programs, Dtrace offers unique advantages such as 1) availability in standard production systems 2) visibility throughout the entire application from java stack traces, through JVM primitives, C library calls, and finally operating system calls 3) relatively non-intrusive profiling - allowing observability without affecting behavior 4) the possibility of aggregate results as opposed to the visibility of single events and 5) scriptability for the ability to reproduce non-trivial...

Google Web Toolkit (3580)

Adrian Buerki

Centris AG

Tue 2008-06-24

15:00 - 15:50 - Arena 8



The Google Web Toolkit (GWT) is a solution to develop AJAX web applications in the Java language. It lets you develop web applications entirely in Java, debug it entirely in Java, and then translates that Java code into browser compatible JavaScript and HTML that runs in any Web browser. At first look GWT is just a JavaScript generator. But there is more to the GWT; it includes a basic set of UI widgets and a framework to make calls back to the server application. GWT has a moderate learning curve, because its widget API is very similar in use as the well known Java AWT and Swing APIs.

This presentation starts with a basic introduction...

Google Web Toolkit: Real-World Experience (4221)

Dmitry Buzdin

C.T.Co

Tue 2008-06-24

14:00 - 14:50 - Arena 8



The talk presents a real-world experience gained in the development of both Portal-based (JSR-168) and "classical" Web applications using Google Web Toolkit technology.

* Introduction *

Google Web Toolkit (GWT) is a Java-based AJAX framework, which offers unique approach to building Web-based Rich Interface Applications. Instead of providing JavaScript libraries, it gives an opportunity to write whole Web application in static typed Java language. In the compilation process client code is translated to optimized JavaScript....

Technical Sessions

Extending native scripting environments with the Java Platform (3280)

Ludovic Champenois

Sun

Thu 2008-06-26

11:00 - 11:20 - Arena 9



The Java platform is now a very good foundation for executing scripting applications (javascript, ruby, php, ...). GlassFish V3 for example is focused on being the best server side scripting environment built on top of the JVM. But moving from native servers to a JVM base complete environment might not always be possible.

This talk will discuss about the other aspect of bridging scripting environments with the Java platform. Let's assume that your server side is not based on Java (for ex apache with native php or ruby): what are your choices if you want to call services in the jvm? In these native envs, a Java...

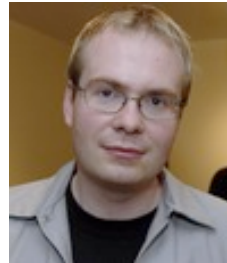
Managing Data in an SOA (5255)

Stuart Charlton

Elastra

Wed 2008-06-25

14:00 - 14:50 - Arena 6



Services Oriented Architecture (SOA) has become a popular approach towards structuring information systems, and both RESTful and SOAP/WSDL-based Web Services have become popular technologies for enabling that approach. But too often, SOA seems to be "the architecture that forgot about data". Data is the longest-lived portion of most information systems, and is shared, queried, locked, modified, reused, repurposed, transformed, and interpreted in a wide variety of ways as it flows between services. But how do we track these interrelationships? And how should "data services" be designed?

A variety of specifications in the WS-* stack have...

An Overview of the Java Platform, Enterprise Edition 6 (Java EE 6) (2940)

Roberto Chinnici

Sun Microsystems, Inc.

Thu 2008-06-26

12:00 - 12:50 - Arena 3



In this talk we describe the work currently under way to define the next version of the Java EE platform (Java EE 6).

In addition to offering many standard components, the the Java EE platform has fostered a vibrant community and marketplace for additional technologies, frameworks, and applications that work with the platform. Some of these provide facilities that are missing from the platform. Others provide alternatives to platform facilities.

A major theme for this release is to embrace and support those technologies as part of the overall...

The Rise of AtomPub in the Enterprise (5254)

Dan Diephouse

MuleSource

Wed 2008-06-25

12:00 - 12:50 - Arena 6



The Atom Publishing Protocol has emerged from its origins as a protocol for publishing content to a generic way to build services for all types of applications. Built on the popular syndication format, Atom, it provides a RESTful approach for building services which is based on the concepts of collections and resources. Many applications can be broken down into this model and take advantage of the ubiquity of the Atom format for their application. Combined with microformats and microcontent the AtomPub model becomes even more powerful. One great example of this is the Google API for interacting with Google Base, Calendar, Spreadsheets, etc. All these APIs are all built on AtomPub....

One Year of Groovy (4163)

Aaron Digulla

Globus Informatik

Thu 2008-06-26

14:00 - 14:50 - Arena 8



After developing a fairly large software (20KLOC) in Groovy and maintaining it for the past 12 months, I'd like to share my experience with you:

- Why would I want to use Groovy in my projects?

- How long does it take for a seasoned Java developer to get to speed with Groovy?

- When you return to your code after a few months, do you still understand what it does?

- Groovy compiles to bytecode and you can call freely back and forth between it and Java. That's the marketing version. But where are the...

GlassFish project v3 implementation (5244)

Jérôme Dochez

Sun Microsystems, Inc

Thu 2008-06-26

12:00 - 12:50 - Arena 9



The GlassFish project v3 implementation concentrates on two important aspects of modern server-side software: modularity and extensibility.

Modularity is important because the Java Platform, Enterprise Edition (Java EE platform) offers so many services that it is rare for a single user to need all the services at all times. Providing a flexible runtime that can load the services on demand will provide better performance while enhancing perceived quality.

With the popularity of scripting-language-based solutions such as Ruby on Rails, extensibility will provide the ability to run these solutions in a...

AOP meets the real world (3342)

Werner Eberling

MATHEMA Software GmbH

Wed 2008-06-25

15:00 - 15:50 - Arena 6



Programming with aspects is state-of-the art. Removing "cross cutting concerns" out of your business code promises to ease programming. Tools like AspectJ enable you to decorate any class, method or whatever you can think of with the aspects you need. But the question is, what do we need in real world projects? Which functionality can be put in aspects and how does AOP effect maintainability?

Reviewing different projects, this talk will show the pros and contras of aspect oriented programming. It will show wich kinds of aspects can be extracted out of the business code and wich techniques are used to realize those aspects.

Integration Profile for GlassFish v3 (5360)

Andreas Egloff

Sun Microsystems, Inc.

Wed 2008-06-25

14:00 - 14:50 - Arena 9



The landscape of traditional application development is littered with apps designed and implemented to run on an island, and deployed into an operational environment requiring coordinated management and communication between multiple applications. Two significant architectural trends have emerged to address this problem: modularity and service oriented architecture. Generally speaking, modularity provides a clean way to address dependency concerns for an application while providing a level of isolation between application modules. SOA provides a blueprint for the description of service contracts and a communication contract between a service consumer and provider. Taken...

Technical Sessions

AJAX in JSF

(2321)

Ernst Fastl

IRIAN Solutions GmbH

Wed 2008-06-25

14:00 - 14:50 - Arena 5



AJAX (Asynchronous JavaScript and XML) is a new, very interactive and dynamic technology to build web applications. With AJAX, you load only parts of a page upon a request and leave the other parts of the page unchanged. This session covers the basics of AJAX and its inclusion in JavaServer Faces. It goes on demonstrating the AJAX components Apache MyFaces brings along and explains how to use them in highly interactive web applications. The component libraries Ajax4JSF and Richfaces from JBoos are also introduced. It outlines the technology to build your own AJAX components for JSF and Apache MyFaces. Finally a future perspective regarding AJAX component development in JSF 2.0 is given.

Building DSLs in Static & Dynamic Languages

(5256)

Neal Ford

ThoughtWorks

Tue 2008-06-24

16:30 - 17:20 - Arena 5



You've heard all the hype for the past couple of years: Domain Specific Languages (DSLs) are going to take over the world. This session demystifies this topic in 2 ways: by providing concrete definitions for styles and applicability of DSLs and showing how to implement these different styles. I build up definitions for the different types of DSLs in static (Java) and dynamic (Groovy and Ruby) languages. Then, I discuss building DSLs as internal (i.e., built on top of an underlying language) and external (built using a preprocessor or grammar), with examples of each. Throughout this session, I discuss the applicability of this style of development and show targeted examples. I discuss fluent interfaces...

Java at EURO2008

(4201)

Pascal Freiburghaus

RUAG Electronics

Thu 2008-06-26

14:00 - 14:50 - Arena 6



Major events like EURO2008 or the World Economic Forum demand a lot from the security agencies. Police, medical and order services must be organized and coordinated optimally.

The task forces are equipped with mobile devices supporting GPS. Both coordinators in the operation centers and the mobile units are able to see the position of the other units at all times. Further, the map material can be enhanced with individual information. This way, the usual radio communication can be reduced dramatically and misunderstandings in communication can be avoided.

...

Migrating from Ant to Maven: A JBoss Perspective

(4840)

Paul Gier

Red Hat

Wed 2008-06-25

17:30 - 18:20 - Arena 3



The build system is an important, but often overlooked, part of any large software organization. As the size and number of projects within an organization grows, so do the size and complexity of the builds. A build system can include anything from just compiling and packaging code to a complex system that helps to automate the entire software life cycle. When most Java developers think of building and deploying their application, they normally think of Ant. However, this has started to change as a newer framework called Maven has emerged as a powerful tool for building software.

Due to Ant's simplicity and extensibility it went...

Mashing Up Manufacturing Thanks to Java SOAs.

(4000)

Dominique Guinard

ETH Zurich / SAP Research

Thu 2008-06-26

11:30 - 11:50 - Arena 3



SOAs are everywhere. The hype used to be in object oriented it is now in service oriented. Yet, turning legacy systems into SOAs is a (very) costly procedure. As such, it is only fair for companies to be demonstrated the real advantages of such architectures before prior taking a decision. In the European project SOCRADES (Service-Oriented Cross-layer infRAstructure for Distributed smart Embedded deviceS), sixteen major players of the world of manufacturing (such as SAP, Schneider Electric, ABB Siemens, Jaguar, Boliden, APS, Ifak, etc.) are working together to demonstrate the advantages of SOAs when globally applied to factories.

...

Technology management with Maven

(3540)

Johann Gyger

AdNovum Informatik AG

Wed 2008-06-25

11:00 - 11:50 - Arena 3



The list of dependencies in a project of a certain size can be very long. New frameworks and libraries emerge at a fast pace, and they often affect that list. Developers and managers have to keep track of dependencies by maintaining dependency repositories, and they have to ensure that the accumulated knowledge is always available in an easily accessible and distributable form.

Maven provides effective mechanisms to cope with the breadth of such dependencies. Also, there are tools that help manage artifact repositories in dealing with the information overload often associated with repositories....

Customizing Applications for a Range of Handsets

(2640)

Carol Hamer

Greenliff AG (+books published through Apress)

Thu 2008-06-26

11:30 - 11:50 - Arena 9



One common challenge in mobile development is trying to get a fairly simple application to run on as many handsets as possible. If the goal is to use a mobile application to promote and sell products and services (rather than selling the application itself to the user), then it's critical to make sure that the application will run on as many handsets as possible, from the high end down to the low end. MIDP makes this easy if you don't care what the application's user interface looks like. Unfortunately, the look-and-feel matters quite a lot if you want your program to entice users to buy your product or service. The user interface needs to be attractive and branded according to the specifications of a graphic...

Spring Framework 2.5 - Selected New Features

(3980)

Juergen Hoeller

SpringSource

Wed 2008-06-25

11:00 - 11:50 - Arena 8



Over the course of 5 years, the Spring Framework has evolved into the most comprehensive component model available for modern Java enterprise applications. As of release 2.5, Spring's configuration model covers many flavors: externalized XML configuration, the use of custom XML namespaces, as well as the use of configuration annotations within application components.

This talk covers the core Spring 2.5 feature set, ranging from dependency injection and AOP to integration tests and web support. It takes a fresh perspective, discussing selected features that have been introduced in Spring 2.0 and 2.5 - in...

Technical Sessions

Google Android and developer expectations: a "real world" report (4220)

Andreas Hölzl
Canoo Engineering AG



Increasingly mobile devices such as smart phones and PDAs have become an essential part of our daily life. As the processing power on handheld devices is growing, a need to efficiently develop better user interfaces for various uses is emerging. An important aspect is a close integration with the native infrastructure of the devices. Google's Android project offers an operating system and an SDK for mobile devices that promises a seamless integration into a device's infrastructure (i.e. device-specific controls and software to access address book, telephone & SMS, and map navigation functionality), as well as a Java application development environment on a relatively high abstraction level...

Tue 2008-06-24
16:30 - 17:20 - Arena 9

Web 2.0 development with JavaFx, Flex and AIR (2660)

Stephan Janssen
Parleys.com NV



Web 2.0 is one of the most important buzzwords in the last years, however what does this mean for Enterprise Java developers? Based on the practical case-study "Parleys.com" (a web 2.0 video streaming eLearning site) we'll have a closer look at which Java API's and frameworks are available to develop such a project and how they integrate with a Flex/AIR and a JavaFX front end.

Wed 2008-06-25
11:00 - 11:50 - Arena 5

JSFUnit introduction (5380)

Alexander Jesse
Credit Suisse



JSFUnit is approaching 1.0 release time. Time to take a look at it. JSFUnit, which is developed by Stan Silvert and Dennis Byrne from JBoss, has some features which set it apart from other testing tools in the JSF universe. JSF-applications can easily be developed in modules and then be composed during the build-step. But in this way some problems can surface which cannot be detected in the single modules. For example each module could define a managed bean with the name "myBean". The config of each module is in itself coherent, but the composite application contains duplicate definitions. For this JSFUnit contains some static...

Tue 2008-06-24
14:00 - 14:50 - Arena 6

The Secrets of Concurrency (2400)

Heinz Kabutz
The Java Specialists' Newsletter



The clock speeds of CPUs have stopped increasing at the exponential rate they were doing since the formulation of Moore's law. In order to boost performance of complicated algorithms, we must harness the power of the multi-cores that are available to us nowadays. However, due to the way in which Java was specified, it is easy to make serious errors in multi-threaded code, thus leading to bugs that are sometimes impossible to find.

In this presentation, we will talk about ten laws that we have used to remember the intricacies of threading:
...

Thu 2008-06-26
12:00 - 12:50 - Arena 8

Migrate to Apache Maven (3423)

Micha Kiener
mimacom ag



Starting with the typical variety of ant scripts the wheel is reinvented on a per project basis. Without a strong consistency and no real dependency control the same tasks are re-peated over and over again. Moving a developer from one project to another often goes with a full day of build introduction.

In this situation the goal should be to move from similar but customized ant scripts to a reusable and company wide build infrastructure that is more manageable and intuitive.

The session will describe the steps taken to get from CVS / Ant to Subversion / Maven. We will...

Thu 2008-06-26
11:30 - 11:50 - Arena 6

AJAX Push for Revolutionary Enterprise Applications (5420)

Micha Kiener
mimacom ag



Emerging AJAX techniques, variously called AJAX Push or Comet, are bringing revolutionary changes to Web application interactivity, truly moving the Web into the Participation Age. This session provides a detailed introduction to the Asynchronous Web and its application to social computing, explaining the underlying protocols, the challenges for application servers and the high-level techniques available to application developers. Attendees will take away the information they need to add multi-user collaboration and notification features to their application.

Tue 2008-06-24
16:30 - 17:20 - Arena 6

Automated functional testing of web applications (3863)

Dierk König
Canoo Engineering AG



Any serious attempt to testing needs automation to catch regression errors as early as possible. Experience with large commercial systems shows that the activity of test automation needs both, knowledge of the business domain and mindful engineering.

This talks goes through the four main testing paradigms: capture/replay, model-based testing, data-driven testing and scripting, to show the strengths and limitations of each. The free open-source web testing tool Canoo WebTest will serve as the basis for various examples that show the paradigms in action.
...

Wed 2008-06-25
17:30 - 18:20 - Arena 5

Location-Based Services in Java: the inTrack Platform (4100)

Olivier Liechti
Univ. of Appl. Sciences Western Switzerland



Ubiquitous computing, context awareness and location-based services

Context awareness is a key design principle in ubiquitous computing (also referred to as pervasive computing). The idea is simple: to be more efficient, the user interface of an application should dynamically adapt itself to the current "context". Defining and modeling the current "context" is actually a challenge and has been a research topic for many years. Nevertheless, it has been realized early that location is one aspect of the context that is both very meaningful and relatively easy to capture....

Tue 2008-06-24
15:00 - 15:50 - Arena 9

Technical Sessions

Web Services and Transactions (5253)

Mark Little

Red Hat



The emerging world of Web Services and e-commerce places requirements on application developers to ensure consistency in the presence of failures (machine, network etc.) Without consistency guarantees, users will find it hard to trust services and therefore service providers will run the risk of losing business and reputations. In the traditional world of distributed objects, consistency guarantees are typically provided by transaction systems which have the well known ACID properties (Atomicity, Consistency, Isolation and Durability). However, strict ACID semantics require the use of a blocking protocol, such that resources acquired within the scope of such a transaction must remain inaccessible to others...

Wed 2008-06-25

16:30 - 17:20 - Arena 6

An Overview of Rational Team Concert and the Jazz Technology Platform (5580)

Christof Marti

IBM Rational



Learn about the Jazz Project and Rational Team Concert, the first product built on the Jazz platform. Jazz uses Eclipse technology on both the client and the server, and Team Concert provides agile teams with a highly integrated tool set including source control, work item tracking and build management. Team Concert builds on top of the Jazz technology platform, which provides integration middleware for collaborative, extensible Application Lifecycle Management tools. This talk starts with an introduction to the architecture and extensibility of the Jazz platform and discusses how Java EE, relational databases, OSGi and Eclipse technologies are used to implement the platform capabilities. Next the...

Wed 2008-06-25

14:00 - 14:50 - Arena 3

Web Forms 2.0 for JSF Developers (4060)

Olaf Merkert

R+A Information Consultants



Web Forms 2.0 Basics

One of the many possible "futures of the web" are HTML 5 and XHTML 2 - currently W3C working drafts ([2], [3]). Because of it's practical origin (and the limited time of a presentation) we focus on HTML 5 and one of its major improvements in the input area called "Web Forms 2.0" (not to be confused with MS web forms) and the opportunities it offers for JSF developers. While XHTML 2 is of a more theoretical origin, HTML 5 was initiated by the W3C independent Web Hypertext Application Technology Working Group (WHAT WG) as an answer to practical shortcomings of HTML 4 ([1]). As the W3C...

Thu 2008-06-26

11:00 - 11:20 - Arena 6

Tools and Tips to Diagnose Performance Issues (3320)

Claudio Miranda

Summa Technologies



At this speech I want to provide to the audience, my experience on Java technology related to solve performance issues on applications at development and production stage. I want to point 3 main artifacts: tools, tips and performance patterns.

* Which tools ?

Almost everywhere (mailing lists, forums, websites) people like to recommend a profiler tools to help find some cpu or memory issue.

At this point I want to provide 2 different scenarios: intrusive vs. non intrusive tools, as they are monitoring and profiling...

Tue 2008-06-24

17:30 - 18:20 - Arena 3

Java SQL Databases (4520)

Thomas Mueller

Day Management AG



This talk is about what persistence mechanism to chose for your Java application, and what to consider when you decided to use a SQL database as your backend. The focus of this presentation is open source Java databases. One of those, the H2 Database Engine, is developed by the speaker.

The API is one aspect of the persistence mechanism. Standardized high level APIs are the JPA (Java Persistence API), the JDBC API (Java Database Connectivity), and the JCR (Java Content Repository) API. Each API has advantages and disadvantages. Other APIs exist as well, but are less used (such as JDO) or are proprietary....

Thu 2008-06-26

11:00 - 11:20 - Arena 3

jMaki - Ajax and Mashups Made Easy (5243)

Greg Murray

Sun Microsystems, Inc



jMaki started as framework that allows you to easily add Ajax functionality to a new or existing application. jMaki has since evolved into a framework and application model for creating sophisticated mashups using the best of breed components and your own code and services. This session will discuss the jMaki framework, the new 1.1 features, and the jMaki Webtop. Included with the discussion will be many live demonstrations of creating real world mashups.

Thu 2008-06-26

15:00 - 15:50 - Arena 9

Content Integration: Java(tm) Applications vs. Microsoft(R) Sharepoint (3141)

David Nüscheler

Day Software AG



Most large organizations on the one hand develop Java(tm) Applications and on the other hand run Microsoft(R) Sharepoint for their business users.

This generates the crucial need for Java Applications to be able to interact with content stored in Sharepoint, be it a Java based Swing Application that would like to refer to content managed by Sharepoint or a regular Intranet WebApp or Java Portlet that needs to search and manage office content residing in Sharepoint.

This session will talk about the benefits and drawbacks of various ways of integrating Java...

Wed 2008-06-25

17:30 - 18:20 - Arena 5

The Revenge of the "Weblog in 15 minutes" (3140)

David Nüscheler

Day Software AG



Based on last years successful Jazoon session on how to build a "Weblog in 15 minutes" using AJAX and JCR, this talk is the sequel in the "AJAX meets JCR" series.

In the meantime microjax has become a legitimate part of the Apache Sling project which is at the time of this submission in incubation.

This talk will focus on the unique benefits of using a combination of AJAX and JCR (aka. JSR-170 & JSR-283) to satisfy modern Web 2.0 application requirements and allow for an extremely agile application development.

...

Thu 2008-06-26

12:00 - 12:50 - Arena 5

Technical Sessions

Introduction to Qi4j

(5200)

Rickard Oeberg

Jayway - Speaker presented by JUGS



Speaker presented by Java User Group Switzerland

In the current programming culture we have lost the OOP idea of objects containing both logic and state, the idea of reuse has largely failed due to impractical mechanisms, and combining pieces of code into larger structures using AOP has not quite delivered on its promises. Building large-scale software also gives us challenges with regard to complexity, enforcing architectural rules and codebase explosion. What if we could look at what we have and figure out a new way to address these problems, while promoting the idea from domain oriented modeling and...

Wed 2008-06-25

14:00 - 14:50 - Arena 8

Module-based development with Spring and Maven 2

(3502)

Philipp H. Oser

ELCA Zurich



Modularity belongs to the basic architectural best practices. Splitting your application in separate modules can reduce undesired coupling as well as lead to high cohesion, reduce complexity, simplify team development, and decrease execution size by using only the required modules.

This talks presents how we combine existing technologies (Spring and Maven 2) to get a seamless module support for the development, test and runtime of Java applications. Maven is concerned with build time aspects, Spring is concerned with run time aspects and there are some shared aspects that concern both. A...

Wed 2008-06-25

15:00 - 15:50 - Arena 3

OpenID User-centric Identity Management for Java Applications

(5180)

Robert Ott

Clavid AG



OpenID is a specification for user-centric authentication available in its version 1.1 and 2.0. Big IT companies such as Google, IBM, Microsoft, VeriSign, Yahoo and many more have joined the OpenID foundation over the last years. As the user's identities are URI-based, it integrates perfectly in Internet based systems. It addresses most topics when it comes to Internet authentication systems including independence of programming languages, keeping users in the center of their privacy, allowing interoperability and not at least reducing the number of users credentials such as passwords or security tokens for users. OpenID 2.0 is now turning into an open community-driven platform that allows and...

Tue 2008-06-24

14:00 - 14:50 - Arena 5

Who's On The Other End of the Wire? Identity-Enabling Java Web Applications with OpenSSO

(5245)

Pat Patterson

Sun Microsystems Inc.



OpenSSO (<http://opensso.org/>) is Sun's open source web access management, federation and secure web services project, the basis for Sun Java System Federated Access Manager 8.0, and one of the busiest projects on dev.java.net, with over 650 project members. OpenSSO builds on Sun's successful Access Manager 7.x product, recently rated a market leader in Gartner's 'Magic Quadrant for Web Access Management'.

This session looks at the progress of OpenSSO over the past three years and gives an overview of its features and functionality, with a practical emphasis on how you can leverage it in Java applications and get involved in the OpenSSO...

Wed 2008-06-25

15:00 - 15:50 - Arena 9

Why RIA is not only about technology

(3960)

Sibylle Peter

Canoo Engineering AG



A lot of the current RIA and AJAX discussions and articles focus on the competition between technologies. Which RIA technology will succeed? Flex or Silverlight? Or will AJAX be the winner? In this talk, we will show what other factors need to be considered if enterprises want to go RIA. Essentially, we believe that it is not enough to decide on a technology and integrate this technology into the current enterprise architecture. At the very least, it is just as important that business managers and application designers are fully aware of the RIA paradigm, and design their applications accordingly. And that the developers are fully aware of the implications a rich UI design can...

Thu 2008-06-26

14:00 - 14:50 - Arena 3

The Next Content Repository: A sneak peek at the upcoming JCR 2.0

(4700)

Peeter Piegaze

Day Software AG



The Next Content Repository
A sneak peek at the upcoming JCR 2.0

The Story So Far

- JCR 1.0 a quick recap
- JCR 1.0 successes
- JCR 1.0 lessons learned

Goals of JCR 2.0

- Expose new functionality for JCR-from-scratch repositories
- Better expose functions of existing legacy repositories through JCR...

Wed 2008-06-25

12:00 - 12:50 - Arena 9

SAML: Identity Federation in Practice

(3482)

Roman Pletka

AdNovum Informatik AG



The Security Assertion Markup Language (SAML) is an XML-based open standard for exchanging authentication and authorization information between identity providers and consumers. Although standardized for quite some time, SAML, unfortunately, is not yet widely deployed. We discuss the alleged shortcomings and how they can be overcome by a mature design combined with some detailed know-how of existing implementations and their differences. We focus on two advanced use cases and present viable solutions for further problems.

After the introduction of the initial standard SAML 1.0 in 2002, version 1.1 in 2003 aimed to simplify...

Tue 2008-06-24

15:00 - 15:50 - Arena 5

JSR-296 (Swing AppFramework) from the trenches

(3360)

Jean-Francois Poilpret

ELCA IT Vietnam Ltd



After 10 years existence, Swing has been used by many individuals and organisations for building many different rich applications in various business areas. During these 10 years, the learning curve of Swing has always been quite steep for any newbie: this was due to the fact that Swing is quite a "low-level" API for developing GUI applications, and all Java developers who had to deal with it had to develop their "own way" leading to lots of practices in the field (some good, some bad). Even creating a simple "Hello World" application in Swing would not look that easy to some developers today who wonder where and how to start. Indeed, Swing has a few rules (about threading)...

Tue 2008-06-24

17:30 - 18:20 - Arena 8

Technical Sessions

OpenDS Inside : an LDAP directory embedded into your applications (2980)

Ludovic Poitou

Sun Microsystems Inc.

Wed 2008-06-25

16:30 - 17:20 - Arena 8



Learn how to embed OpenDS, a Java based LDAP server, in your applications, and to interact with it.

OpenDS is an open source project building a complete LDAPv3 directory service offering. Written entirely in Java, OpenDS is designed to scale from small embedded directories to large scale directory service hosting hundreds of millions of entries.

Many applications need to store and retrieve structured data and usually require an external database to do so. By bundling an LDAP server in your application, you can simplify the deployment of the application and leverage the power of...

Testing with T2 and Exploiting the Power of In-code Specifications (4040)

Wishnu Prasetya

Utrecht University

Tue 2008-06-24

14:00 - 14:50 - Arena 3



In-code specifications are specifications written directly in the (Java) source code, and expressed in the same language as the source code (thus in Java). In-code specifications are well known, in the form of the "assert" statement, but its power is still mostly unexploited. This is really unfortunate, because in-code specifications really have a lot of benefit. To fully exploit them we need a more powerful tool than Java's own basic assertion checking mechanism. We recently released a tool, called T2, that gives this capability.

Though in-code specifications are not as...

GUI Testing Made Easy (3900)

Yvonne Price

Oracle Corporation

Tue 2008-06-24

16:30 - 17:20 - Arena 3



Graphical User Interfaces (GUIs) have become a valuable way of interacting with computer programs. Testing GUIs is vital to reduce code defects, resulting in improved robustness of the entire system. GUI testing is also important during application maintenance. During this stage, code might be refactored repeatedly, and this code often includes great portions of the user interface. Having a solid test suite that covers GUI code can give developers assurance that bugs are not introduced accidentally.

GUI development has been slow to include automated testing as a core practice, mainly because writing tests for GUIs is difficult. Any...

Let the Continuous Build Embrace Your Database (3020)

Stefan Rufer

Netcetera

Wed 2008-06-25

16:30 - 17:20 - Arena 3



"JUnit tests should not depend on database state." - "Set up your test data before you run your test." - "We figure this just does not always scale. Mocking test data for hundreds of tables may not be suitable and database schemes evolve as the application does."

These are common challenges when developing large J2EE systems. This presentation shows practical approaches for project setups and (functional) tests that decided to depend on a database. Developers and build servers may or may not share the database and support for this should be as simple as possible. We give an overview of what proved to be a good setup for...

Creating Embedded DSLs for Testing in Java (3901)

Alex Ruiz

Oracle Corporation

Thu 2008-06-26

15:00 - 15:50 - Arena 6



A domain-specific language (DSL) is commonly described as a computer language targeted at a particular kind of problem and it is not planned to solve problems outside of its domain. Lately, with the advent of Ruby and other dynamic languages, there has been a growing interest in DSLs amongst programmers. Creating embedded DSLs using the Java language is quite possible as well. In fact, it is helpful to approach API design from the DSL orientation.

This session will show how to create a domain-specific language for test-related assertions and GUI testing. The examples covered in the session are real-world examples from the open source...

JAX-RS: The Java API for RESTful Web Services (5251)

Paul Sandoz

Sun Microsystems Inc.

Wed 2008-06-25

11:00 - 11:50 - Arena 6



Lightweight RESTful approaches have emerged as a popular alternative to SOAP-based technologies for deployment of services on the Internet. However, development of such services with the Java platform is significantly more complex than development of SOAP-based services, due to the low-level nature of the current platform APIs.

The goal of the Java API for RESTful Web Services (JAX-RS) is to provide a high-level declarative programming model for such services that is easy to use and encourages development according to REST tenets. Services built with this API are deployable with a variety of Web container technologies and benefit from built-in support...

Against all odds - efficient Rich GUI development in Java (5340)

Bruno Schäffer

Canoo Engineering AG

Tue 2008-06-24

15:00 - 15:50 - Arena 6



Developing client-server applications with rich user interfaces on the Java platform can be a daunting task. For the presentation layer Java offers the Swing library with a comprehensive set of highly customizable widgets. Nevertheless, the API of the Swing library provides too little abstraction for common form-based rich GUIs and therefore developers' productivity is way below expectations.

The market leader in billboard advertising in Switzerland (APG) has a number of large legacy client-server applications. While the business logic (incl. persistence) is still up to its task, the presentation layer had to be replaced due to a development platform being decommitted and...

eBay's Architectural Principles: Architectural Strategies, Patterns, and Forces for Scaling Java (3680)

Randy Shoup

eBay

Thu 2008-06-26

15:00 - 15:50 - Arena 5



As the largest auction site in the world, eBay faces a unique set of scaling challenges. eBay handles well over 1 billion page views per day, coming from 250 million registered users trading roughly USD1812 in merchandise every second. At any given moment, there are over 100 million items for sale in over 50,000 categories, across 38 countries, in seven languages. At the same time, the site is in a near-constant state of evolution, with regular updates of more than 100,000 lines of code every two weeks, comprising over 300 new features every quarter. All this is done with no planned downtime, in a 24x7x365 environment.

...

Technical Sessions

Data-Driven Applications: Writing Less Code!

(5120)

Brian Sletten
Zepheira, LLC

Tue 2008-06-24
17:30 - 18:20 - Arena 5



As quick as it is to deploy new applications to browser-based systems, it still takes longer than we'd like to roll out new systems. Think about the time that it takes to pull data out of a database to put it into objects to transfer across architectural layers to simply re-render as HTML. Clearly, there are some inefficiencies in the system.

There are larger industry trends (SGML, HTML, CSS, XML, Semantic Web, etc.) that are designed to allow us to spend more time structuring our data and less time writing applications around it. This data-driven approach works well in the modern web application development environment and promotes productivity and...

Distributed client/server Java Persistence

(3520)

Alexander Snaps
Axen - Alten Group

Wed 2008-06-25
16:30 - 17:20 - Arena 9



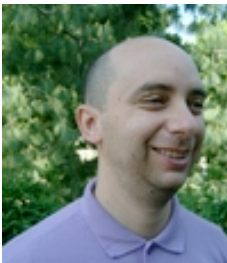
Leveraging the ease of use of the Java Persistence API, available in a Java SE environment, developers can easily take advantage of the power of these systems in their desktop applications. During this presentation we will cover what is needed to integrate these tools within a Swing application and demonstrate the benefits in term of speed and features these both technologies can bring to your desktop software at almost no cost. Beyond the desktop application's local data, we'll introduce remoting, syncing data with a remote Java EE application: enabling "offline mode" and resynchronize these back to the server. Creation and changes to entities can happen on both server and client side.

Writing integration logic with JBI ESBs: best practices and examples.

(3800)

Raffaele Spazzoli
Imola Informatica

Wed 2008-06-25
11:00 - 11:50 - Arena 9



SOA is about decoupling application that need to be integrated through the use of services. To achieve a good degree of decoupling two main ingredients are needed: a good middleware and a well written integration logic.

This session will show examples and best practices about integration logic. This session will start by defining what is integration logic and outlining a boundary between application logic and integration logic. Then the session will continue with some common integration patterns that appears in integration logic like:
-- synchronous integration...

Look Mom! A consumer friendly Runtime

(3400)

Rags Srinivas
Sun Microsystems

Tue 2008-06-24
17:30 - 18:20 - Arena 6



Java SE is on over 90% of desktops and Java ME is on over 90% of mobile phones. Java is also making a big dent in the consumer space such as set top boxes, Blu-Ray Disc players and so on. Although Java client technology is ubiquitous, consumer applications are not because development and deployment for consumers is still too hard.

The talk will explore the features that are being explored to create leaner and meaner JRE that eases deployment and installation. The features that are being looked into will ease start-up time, provide a quick launch and on-demand installation, among other things. The talk will...

Unix survival guide for Java programmers

(3620)

Stefan Tramm
Netcetera

Wed 2008-06-25
12:00 - 12:50 - Arena 3



Enterprise Java software developers are well shielded from the operating system they are working with by design. The Java language and runtime machine provide a common system independent view for most operating system services. Additionally, popular integrated development environments (IDEs) shield developers even further by offering all needed functions to create and modify source files, manage packages, compile, run, deploy, and debug applications. IDEs are typically tightly integrated with build systems like Maven or configuration management systems like CVS or Subversion. To produce functionally working applications, many Java-centric developers do...

Creating RESTful Web Applications with AJAX and Web Forms 2.0

(4580)

Lars Trierloff
Day

Wed 2008-06-25
16:30 - 17:20 - Arena 5



The talk will have following structure: Introduce the concepts REST, AJAX and Web Forms 2.0 first, then provide hands-on-examples on building applications using these concepts. REST is a principle of creating large-scale internet applications and is seen by many developers as the way to go for creating web applications. The problem with real-world REST application however is that current web browsers only implement a subset of the HTTP specification that makes it hard to create true RESTful applications that work in a web browser. AJAX is a way of creating highly dynamic web applications that use Javascript and client-side DOM manipulations for interaction with the user and background HTTP request in XML...

Introduction to Semantic Web: ideas, platforms and APIs

(4440)

Giovanni Tummaro
DERI Galway

Thu 2008-06-26
15:00 - 15:50 - Arena 3



Almost 50 millions Semantic Web documents are available on the Web in RDF format and can be readily used into applications or web sites. Similarly, exposing one's data as Semantic Web data has an unprecedented potential for advertising products and services.

In this presentation I will specifically:

- * Give a pragmatic introduction to the Semantic Web Initiative and the existing technologies.
- * Illustrate some java tools to build applications and web sites using semantic web data. Among these Sindice, DBin (a rich platform...

Highly Interactive Websites: Implementing Comet

(4323)

Joe Walker
SitePen

Wed 2008-06-25
12:00 - 12:50 - Arena 5



As the web gets more social, things change faster. As we get more Ajax, people stay on pages longer. Clearly there is a growing need for a way to automatically update web pages as they are being viewed.

This talk looks at the options and how you can add comet functionality to a website with minimum pain. We will look at the technical challenges, the hacks and workarounds, what's possible, and some of the solutions that take away the pain, like DWR, Bayeux and Cometd.

Technical Sessions

Rich Internet Applications with Flex and Java

(5100)

James Ward

Adobe Systems



The open source Flex SDK and Java are a perfect combination of technologies for building Rich Internet Applications. Flex applications can run in the browser using the ubiquitous Flash Player or on the Desktop using the new Adobe Integrated Runtime (AIR). In both instances Java can be used for the back-end of the application. The communication between the Java back-end and Flex front-end can utilize a number of different communication protocols, but the easiest and best performing is the open source BlazeDS library. This session will cover the basics of using Flex, Java, and BlazeDS to build exceptional RIAs for the web and the desktop.

Wed 2008-06-25

15:00 - 15:50 - Arena 5

Fundamental Application Security Building Blocks - The Benefits of Establishing an Enterprise Security API (ESAPI) for Your Organization

(5320)

Dave Wichers

Aspect Security, Inc.



ESAPI is an open source API, which pulls together all the security methods that a developer needs to build a secure web application. The API is language independent but comes with a reference implementation written in Java. Developers can use this API and build their own implementation using their company's infrastructure, or, they can use the fully functional reference implementation as a starting point.

The cost savings through reduced development time, and the increased security due to using heavily analyzed and carefully designed security methods provide developers with a massive advantage over developers that are trying to...

Wed 2008-06-25

17:30 - 18:20 - Arena 6

Developing a mobile translation application on Android using OCR

(3661)

Peter Wlodarczak

Greenliff



The recently released SDK for Android, the mobile platform from Google, is a full-featured platform for application developers with a rich API and a set of powerful tools for software development. It has certain concepts that are specific to an Android application. One of the strength of Android is the XML based UI and thus rapid application development and the networking capabilities. Android supports several networking protocols that make it ideal for a client server platform. The presented translation application is using several of these capabilities, among others XMPP and SMTP, and also uses the XML features for the UI and the camera for OCR. An other strength of Android is it's capability of...

Tue 2008-06-24

17:30 - 18:20 - Arena 9

JavaFX Script Exposed Live

(4343)

Fabiola Gallegos Rios

Sun Microsystems, Prague Czech Republic



Fabiola Gallegos Rios is JavaFX Tools Quality Engineer, before joining JavaFX team she was working on NetBeans Mobility team as a Quality Engineer at Sun Microsystems. Previously she worked at international companies Unicorn s.r.o and DHL in Prague. She holds a Masters Degree in Computer Science Engineering. She has been Speaker in Intenational events as Jazoon 07, NetBeans Day Zurich and NetBeans Day Mexico City and JavaOne 2007 and 2008.

Wed 2008-06-25 16:30 - 18:20 - Arena 7

JavaFX is a family of products for creating Rich Internet Applications (RIAs) with immersive media and content. A part of the family is JavaFX Script language. Recently there are a new set of plug-ins for NetBeans created to support this language. The plug-in provides not only features for editing JavaFX Script files but also JavaFX Script environment.

In this lab, participants will use NetBeans IDE with JavaFX Script plug-ins to develop an JavaFX Script application. The application would be featuring various animations as well as connecting to a web-service to get live data.

...

Play your own Mobile Games

(3880)

Lukas Hasik

Sun Microsystems



Lukas Hasik is QA lead fro NetBeans Mobility and NetBeans Platform in Sun Microsystems. He started at SUN more than seven years ago and has moved from Java EE, to the NetBeans platform and Java ME in that time.

He holds a Masters Degree in Software Engineering. Lukas presented at JavaOne, Javapolis and Jazoon conferences.

Thu 2008-06-26 14:00 - 15:50 - Arena 7

NetBeans Mobility Pack 6.0 introduced various tools for Mobile applications including new Visual Designer as well as Game Builder. Both allows you to visually develop Java ME applications and games for various MIDP-2.0-compliant mobile devices.

In this lab, participants will use the Game Builder to create a mobile game. They will create the menu for managing the application and also the game itself. NetBeans Mobile Pack helps you with connecting your game to an enterprise solution through J2ME Web Services API (JSR 172) for exchanging various data. In this hands-on lab session, developers will gain an...

Agile Testing of Rich UI Swing Applications

(4540)

Michael Hüttermann

Systemtechnologie Hüttermann



Sun Java Champion Michael Hüttermann is self-employed developer, coach, author and tutor on Java/JEE and agile development. He is working on the Java platform since Java 1.0, was speaker on different happenings like JavaOne, is in the board of the JetBrains Development Academy, drives the Java User Group Cologne and is JUGs Community Leader. He wrote the German book "Agile Java-Entwicklung in der Praxis" published by O'Reilly.

Wed 2008-06-25 11:00 - 12:50 - Arena 7

We will build up and use a comprehensive technical infrastructure for testing Java Rich Client applications. Based on an example Swing application we explore unit-testing components with TestNG. We discover that TestNG usage benefits especially if you want to group your tests, introduce dependencies or test concurrency.

We explore functional tests by using Jemmy for driving interactions on our UIs and Fit for writing state of the art acceptance tests in HTML syntax. We integrate Jemmy, Fit and TestNG to specify and drive our functional features. We integrate component and functional tests to overcome the technical barrier which is in place normally...

Grails: all you need for Java Enterprise webapps

(3842)

Dierk König

Canoo Engineering AG



Dierk Koenig works as a senior software developer, mentor, and coach for Canoo Engineering AG, Basel, Switzerland. He is committer to Groovy and Grails, and project manager of Canoo WebTest. Dierk speaks at international conferences and publishes in leading software magazines. He is lead author of "Groovy in Action".

Thu 2008-06-26 11:00 - 12:50 - Arena 7

Grails is a full-stack web application framework for the Java Enterprise platform.

It is based on the concepts of 'convention over configuration' and 'don't repeat yourself'. Grails achieves these goals by leveraging the power of Groovy - a language that complements Java with highly dynamic features.

Unlike other modern frameworks, Grails fully integrates with the Java Enterprise platform and builds on well-known industry standards like Spring, Hibernate, and Quartz. Not only does Grails protect your investment in...

An eclipse based integrated Solution for performance measurement and validation of J2EE applications

(3341)

Nabil Ouerhani
adhoc PES AG

Tue 2008-06-24 16:30 - 18:20 - Arena 7



Dr. Nabil Ouerhani received his informatics diploma in 1998 from the Technische Universität München (University Of Technology Munich). From 1998 to 2003 he worked as scientific assistant at the Institute for Microtechnology at the University of Neuchâtel (Switzerland). In December 2003, Nabil Ouerhani finished his dissertation on the field of Image Processing. From 2003 to 2005 he was employed as Postdoc at the same institute. During this time, Dr. Ouerhani has been working as scientific consultant for adhoc ISL in the field of Software Performance Engineering. Since March 2006, Dr. Nabil Ouerhani is employed as Lead Performance Engineer by adhoc PES AG (Basel).

Software performance is the degree to which software applications or component meets its requirements in terms of response time and resource usage for a given usage scenario. Assuring the performance of software applications during the pre-production phase is therefore composed of two major activities groups:

Simulating a well defined and controlled usage situation of the application, in terms of selected use cases and estimated or computed load parameters (number of users; number of transactions per time interval, ...)

Measuring, correlating and analyzing well defined key performance indicators like end-user response times; component response times; HW/SW resource usage in...

Designing for user experiences - A business case for GWT and Gears

(3840)

Maarten Volders
Maarten Volders BVBA

Wed 2008-06-25 14:00 - 15:50 - Arena 7



As an independent software architect and Agile coach I help developers to think out-of-the-box. Think beyond their traditional developer role as defined within classical / non-Agile project management methodologies and help them achieve the status of a real Agile team member, a member that knows the true value of commitment within a self-organized Agile team. On its lowest level I stimulate and guide them into the best practices that eXtreme Programming has to offer.

As for project managers with a non-Agile background like RUP, Prince2, PMI... I guide them from that classical point-of-view towards one that stands for open...

Web 2.0 is about fundamentally redefining how we express rich, compelling experiences to consumers utilizing the Web as a platform. This presentation talks on how we can leverage the Java platform as the vehicle for the delivery of enterprise Web 2.0 applications. It is not a basic intro to technologies presented below but in-depth technical talks combined with demos ending up with a fully working / live enterprise Web 2.0 application!

Instead of focusing on technology features this presentation takes a different angle. We start by defining the different types of user experiences and then explain which technologies are available too us for solving these....

Open Web Application Security Project (OWASP) Training - Friday, June 27, 2008 at Technopark-Zurich



Dave Wichers,
Chief Operating Officer
(COO) of
Aspect Security

Within the context of Jazoon'08, OWASP offers a Security Training on Friday, June 27 from 09.00 – 17.00 taking place at Technopark (Room Newton 1009) in Zurich.

The Open Web Application Security Project is a worldwide free and open community focused on improving security and application software. The one-day training course targets developers who want to understand the most common web application security flaws, and how to avoid them. The training will introduce and demonstrate hacking techniques, illustrating how application vulnerabilities can be exploited so students really understand how to avoid introducing such vulnerabilities in their code. The OWASP Top 10 vulnerability areas will be covered.

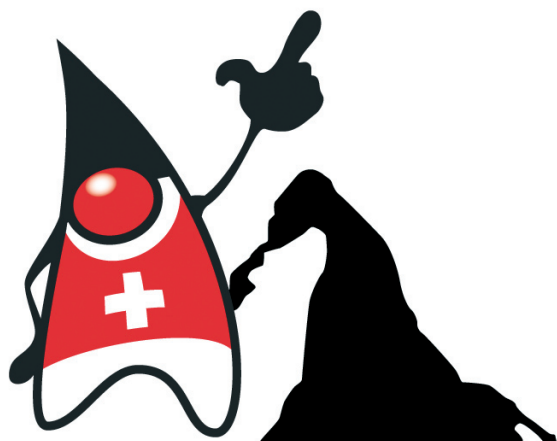
The trainer is Dave Wichers, co-founder and Chief Operating Officer (COO) of Aspect Security, a company that specializes in application security devices.

Dave is also a member of the OWASP board, is the OWASP Conference Chair, and is co-author of the OWASP Top Ten.

For further information please visit:
<http://jazoon.com/en/conference/owasp.html>

For OWASP registration go to:
<http://jazoon.com/registration>

Jazoon Cutting-Edge – Tuesday, June 24, 2008



On Tuesday, June 24 Jazoon'08 will feature an extra session called Jazoon Cutting-Edge.

This session will include the latest trends, updates and highlights of the Java world that have emerged since our Call for papers closed by the end of 2007. Jazoon Cutting-Edge is a moderated session of 15-minutes talks.

Interested speakers should submit a proposal online between May 1 - 16, 2008 at <https://jazoon.com/submission>.

The Jazoon Program Committee will select the most interesting talks and inform you by the end of May about the results. Looking forward to your contributions!





Conference fees

| | Standard fee (2008-05-01 to 2008-06-18) | | Early Bird fee (until 2008-04-30) | |
|--|---|-------|---|-------|
| | Euro | CHF | Euro | CHF |
| Conference participation fees (for 3 days) | | | | |
| Regular | 1.045 | 1.725 | 835 | 1.380 |
| Student Special* | 29 | 48 | 29 | 48 |
| Student Regular | 390 | 645 | 310 | 515 |
| JUG member | 785 | 1.295 | 625 | 1.035 |
| Accompanying person | 120 | 200 | 95 | 160 |
| Conference participation fees (for 1 day) | | | | |
| Regular | 395 | 655 | 320 | 525 |
| Student Special* | 29 | 48 | 29 | 48 |
| JUG member | 300 | 490 | 240 | 395 |
| Tutorial prices | | | | |
| Jazoon tutorial on Monday, 23 June 2008 | 180 | 295 | 145 | 240 |
| Java community tutorial on Monday, 23 June 2008 | free | free | free | free |
| OWASP Security Training on Friday, 26 June 2008 | 490 | 795 | 490 | 795 |

* The number of Student Special tickets is limited to 120. Students eligible for the Student Special must be over 18 and not older than 24 (on 24 June 2008).

Please note: After closing of online registration on 2008-06-18, participants can register onsite only. Onsite registration is subjected to a 5% last-minute surcharge. For group discounts and conference pass sharing please visit our website.

Contact / Organization

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Registration form

How to register: online <http://jazoon.com>
by fax (just fill in this form and fax it to +41 43 266 88 44)
by email to registration@jazoon.com
mail to Keynode AG, Obere Wiltisgasse 48, CH-8700 Küsnacht

My registration information

| | |
|-------------|------------|
| Name | First name |
| Title | Company |
| Address | City |
| Postal code | Country |
| Phone | Fax |
| Website | Email |

Participants who register before April 30, 2008 receive the Early Bird Fee (see price list on cover page).

Tutorials (Monday, June 23) Java community (free of charge) Jazoon tutorial
OWASP Security Training (Friday, June 27) regular

1-day conference ticket regular student JUG member
3-day conference ticket regular student JUG member

Accompanying persons have access to the exhibition, lunch and after hours (no conference access). Please visit our website <http://jazoon.com> for information on group discounts, conference pass sharing and registration details. For questions contact us at registration@jazoon.com.

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