

SpringOne 2GX

The Roosevelt New Orleans

October 19 - 22, 2009

http://www.springone2gx.com/conference/new_orleans/2009/10/home

Mon, Oct. 19, 2009	
3:00 - 6:30 PM	REGISTRATION - SPRINGONE 2GX
4:30 - 6:30 PM	WELCOME RECEPTION
6:30 - 7:30 PM	DINNER
7:30 - 8:45 PM	WELCOME/OPENING KEYNOTE - Rod Johnson

Tue, Oct. 20, 2009								
	1	2	3	4	5	6	7	8
7:30 - 8:30 AM	BREAKFAST/LATE REGISTRATION							
8:30 - 10:00 AM	What's New in Spring 3.0 Arjen Poutsma	Overview of Spring 3.0 Web Stack Keith Donald	Asynchronous Request Processing in Servlet 3.0 Filip Hanik	Beyond Deployment: Successful Enterprise Application Management in Production Chip Witt	Groovy for Java Developers by Jeff Brown Jeff Brown	Grails Quick-Start Dave Klein	Easy BDD with Groovy Andrew Glover	Clustering a Grails Application for Scalability and Availability Burt Beckwith
10:00 - 10:15 AM	MORNING BREAK							
10:15 - 11:45 AM	Tools, Tips and Tricks to improve your Spring Persistence layer Thomas Risberg	Implementing REST Web Applications with Spring MVC Arjen Poutsma	Diagnosing OutOfMemoryErrors Mark Thomas	Keeping Up with Constantly Changing IT Environments Jennifer Hickey	Groovy Compiler Metaprogramming and AST Transformations Hamlet D'Arcy	RESTful Grails Scott Davis	XML and Web Services with Groovy Paul King	Intro to Griffon: Grails for RIAs Danno Ferrin
11:45 - 12:45 PM	LUNCH							
12:45 - 2:15 PM	What's new in SpringSource Tool Suite Christian Dupuis	Simplifying Java Server Faces Development with Spring Faces Jeremy Grelle	SpringSource tc Server Overview and Futures Randy MacBlane and Jon Travis	Scale your operations, not your team Chip Witt	Industrial Strength Groovy Paul King	Grails Internals by Jeff Brown Jeff Brown	A Practical Take on GORM Robert Fischer	UI Performance - Maximizing Page Load Efficiency Burt Beckwith
2:15 - 2:45 PM	BREAK							
2:45 - 4:15 PM	Web Service Interop between Spring and .NET Kent Brown and Mark Pollack	Introducing Spring Roo: extreme productivity in 10 minutes Ben Alex	Monitoring, troubleshooting and tuning web application in production environments Filip Hanik and Jennifer Hickey	Monitoring and maintaining the IaaS and PaaS Using Hyperic HQ Isaac Christoffersen	MOPing up Groovy Venkat Subramaniam	Flex for Grails Developers Scott Davis	Eclipse Groovy Tooling Andy Clement	Grails Security Ken Sipe
4:15 - 4:30 PM	BREAK							
4:30 - 6:00 PM	Spring DI styles: Choosing the right tool for the job Chris Beams and Mark Pollack	Case Study: RESTful Web Services at Orbitz Alex Antonov	Migrating to Tomcat or tc Server Colin Sampaleanu	Expert Roundtable: The Future of Enterprise Deployment Dennis Callaghan, Michael Cote, Al Hilwa, Andi Mann, and Javier Soltero	Groovy from the Trenches Andrew Glover	Grails and the JVM Memory Management Ken Sipe	Unit Testing and Mocking your Java Code with Groovy Venkat Subramaniam	Grails for the Enterprise Robert Fischer
6:00 - 6:30 PM	BREAK							
6:30 - 7:30 PM	DINNER							
7:30 - 8:45 PM	TECHNICAL KEYNOTE - Adrian Colyer							
8:45 - 10:00 PM	SPONSOR RECEPTION							
9:30 - 11:00 PM	BIRDS OF A FEATHER SESSIONS							

Wed, Oct. 21, 2009								
	1	2	3	4	5	6	7	8
7:30 - 8:30 AM	BREAKFAST							
8:30 - 10:00 AM	Speeding Delivery and Boosting Quality with Reusable and Industrialized Architectures Maudrit Martinez and Vipul Savjani	Extreme Web Productivity with Spring Roo Stefan Schmidt	Agile Architecture - Technologies and Patterns Kirk Knoernschild	Composing Content-rich Web Applications using REST-based Scripting John Newton	Design your own Domain Specific Language Guillaume LaForge	Groovy And Grails For Spring Developers Jeff Brown	Introduction to Gradle Hans Dockter	Flying with Griffon Andres Almiray
10:00 - 10:15 AM	BREAK							
					Functional Groovy			GrailsUI Primer

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Wed, Oct. 21, 2009								
	1	2	3	4	5	6	7	8
10:15 - 11:45 PM	That old Spring magic has me in its SpEL: DI Wizardy with the Spring Expression Language Craig Walls	Technical Introduction to Flex for Building Breathtaking Rich Internet Applications Christophe Coenraets and Jeremy Grelle	A Basic Introduction to Using OSGi in Enterprise Solutions Rob Harrop	Faster Time to Value through Cloud Computing Charles Lee	Hamlet D'Arcy	RESTing easy with Grails Andrew Glover	Gradle in the Enterprise Hans Dockter	Matthew Taylor
11:45 - 12:45 PM	LUNCH							
12:45 - 2:15 PM	Spring and Java EE 6 Costin Leau and Mark Pollack	Working with Spring Web Flow Keith Donald	What's new in dm Server 2.0 Ben Hale	Advanced Configuration and Tuning of Apache HTTPD Jim Jagielski	Metaprogramming in Groovy and Grails Scott Vlamincik	Spring Web Flow in Grails Joseph Nusairat	Advanced GORM - Performance, Customization and Monitoring Burt Beckwith	The Griffon Tenets: How the Rails Tenets Translate to RIAs Danno Ferrin
2:15 - 2:45 PM	BREAK							
2:45 - 4:15 PM	Spring Integration 2.0 Preview Mark Fisher	Modular Web Applications with OSGi Rob Harrop	Running Java and Grails applications on the Amazon Elastic Compute Cloud Chris Richardson	HQ Management Playbook: Your guide to a winning operations strategy Chip Witt	Groovy Testing Scott Davis	The Grails Plug-in System Part I: Plug into productivity Graeme Rocher	Legacy Code, Groovy, and You Hamlet D'Arcy	Agile Developer Practices for Dynamic Languages Paul King
4:15 - 4:30 PM	BREAK							
4:30 - 6:00 PM	Automating Operations with Spring Batch and Spring Integration Mark Fisher and Dave Syer	Spring Roo: technical deep dive Ben Alex	Case Study: SRM 2.0 - A next generation shared resource management system built on SpringSource dm Server Matt Stine	Open Source vSphere Java API for managing VMware platforms Steve Jin	Groovy AST Transformations Venkat Subramaniam	The Grails Plug-in System Part II: Plug into productivity Graeme Rocher	Groovy and Concurrency Paul King	Sampling the Griffon Testing Buffet Andres Almiray
6:00 - 7:00 PM	BREAK							
7:00 - 8:00 PM	DINNER							

Thu, Oct. 22, 2009								
	1	2	3	4	5	6	7	8
7:30 - 8:30 AM	BREAKFAST							
8:30 - 10:00 AM	Enterprise JPA & Spring 3.0 - Tips and Tricks for JEE5 Persistence Pratik Patel	Enhancing Spring MVC Web Applications Progressively with Spring JavaScript Jeremy Grelle	Terracotta - Ehcache, Hibernate, and Database Performance and Scalability in Real Apps Ari Zilka	Operations Intelligence: Learn More from Your Performance Data Charles Lee	Know your Groovy Venkat Subramaniam	Demystifying Spring Security in Grails Burt Beckwith	OSGi and Groovy Jump Start Hamlet D'Arcy	Developing with Amazon Web Services Chris Richardson
10:00 - 10:15 AM	BREAK							
10:15 - 11:45 AM	Enterprise AOP with Spring and AspectJ Ramnivas Laddad	Enhancing enterprise Spring implementation: Agile approach and tooling for extreme development productivity Imad Bernoussi	Cloud Computing: Delivering Cloud Solutions from Development to Production with VMware Prasad Pimplaskar	Building HQ Plugins with Groovy and Hyperic HQ Marty Messer	Expand your business with Groovy - Case Study Jon Travis	Grails in the Wild Matthew Taylor	Design Patterns in Java and Groovy Venkat Subramaniam	Not Your Father's Custom Tags Dave Klein
11:45 - 12:45 PM	LUNCH							
12:45 - 2:15 PM	Real world Spring JMS Mark Fisher and Mark Pollack	Introducing Spring Security 3 Ben Alex and Luke Taylor	Re-factoring a Spring Application for SOA using Spring technologies in 40 min Tom McCuch and Oleg Zhurakousky		How to make your testing more Groovy Paul King	Grails without a Browser by Jeff Brown Jeff Brown	Using GORM With Spring Joseph Nusairat	AOP in Grails Scott Vlamincik
2:15 - 2:45 PM	END OF CONFERENCE							

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-Session Schedule-

(event schedule as of October 15, 2009)

Monday, Oct. 19

3:00 - 6:30 PM : REGISTRATION - SPRINGONE 2GX

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7:30 - 8:45 PM : WELCOME/OPENING KEYNOTE - Rod Johnson

Tuesday, Oct. 20

7:30 - 8:30 AM : BREAKFAST/LATE REGISTRATION

8:30 - 10:00 AM - Sessions

Session #1 : What's New in Spring 3.0 by Arjen Poutsma

With the Spring 3.0 release, we have introduced further annotation-based configuration options, unified expression language support and REST support. This talk discusses Spring as a modern Java 5 oriented application framework - covering the core component model, integration with common technologies such as JPA and JSF, as well as Spring's annotation-driven web MVC.

Session #2 : Overview of Spring 3.0 Web Stack by Keith Donald

Spring provides a full open-source stack for building, running, and managing web applications on the Java platform. This session provides an overview of this stack and shows how the pieces fit together. Attendees learn how Spring simplifies the development and deployment of enterprise web applications.

Session #3 : Asynchronous Request Processing in Servlet 3.0 by Filip Hanik

One of the more exciting features in the new Servlet 3.0 specification is the standard support for asynchronous request processing, opening up a new gateway for innovative technologies. Asynchronous request processing breaks the thread per request limitation that the Servlet technologies have long suffered from. While containers have provided this functionality in the past, all implementations have been proprietary and often not offered complete solutions. The Servlet 3.0 asynchronous API aims to address a majority of the use cases for true Web 2.0 functionality as well as keeping the complexity of asynchronous programming at a minimal level.

Session #4 : Beyond Deployment: Successful Enterprise Application Management in Production by Chip Witt

The road to application success does not end at deployment. In fact, an application's life is longer after development and initial implementation than it is before, and success is measured almost exclusively by the experience of the application's end-users. Perceived or real, poor application performance can have a lasting effect, and can negatively impact an organization's bottom-line. Measuring availability, key performance metrics, and having timely notification of issues reach the "right people" across the entire application stack is imperative. In this session we will talk about the importance of a monitoring mindset through the entire "Build & Run & Manage" lifecycle of an application, how to identify key performance metrics across an application stack, and how to overlay responsibility work-flows for timely issue notification. The information and discussion is meant to be generally applicable, but specific examples will be imparted using the SpringSource HQ monitoring tool-set.

Session #5 : Groovy for Java Developers by Jeff Brown by Jeff Brown

Groovy is an agile dynamic language for the Java platform. The language and its libraries bring many things to the table to ease the process of building applications for the Java platform. This session provides a detailed run through Groovy with lots of code samples to drive home the power of the language.

Session #6 : Grails Quick-Start by Dave Klein

You've heard about how easy it is to build web apps with Grails. Maybe you've even seen the simple CRUD app in a blink of an eye, but do you want to see what Grails is really capable of? Then join us as we walk through the construction of a real web application with this powerful framework. Along the way we'll see how to take advantage of Grails' features like GORM, service classes, custom tags, and URL mapping.

Session #7 : Easy BDD with Groovy by Andrew Glover

The Manifesto for Agile Software Development essentially focuses on meeting customer needs through reducing wasteful activities. For example, Agile developmental practices push for reducing repetitive documentation and for a rapid acceptance of change; yet, achieving these goals is by no means easy. While a process can enable increased collaboration, for instance, there are various tools that can effectively implement Agile principles. Once such tool is easyb (www.easyb.org), which is a Groovy based domain specific language, which facilitates collaboration by bridging those that define requirements (i.e. customers) and those who turn requirements into code (i.e. development). With easyb, collaborative teams can develop stories in a specific format which are then implemented as tests through a framework which marries the underlying application. This test suite enables change and produces accordance among Agile teams in short order.

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Session #8 : Clustering a Grails Application for Scalability and Availability by Burt Beckwith

How is your lone web server going to handle all the traffic you'll get when it lands on Slashdot or the front page of Digg? Probably not well. To prepare for all of this popularity you're going to need multiple servers, but there's more to it than buying hardware.

10:00 - 10:15 AM : MORNING BREAK

10:15 - 11:45 AM - Sessions

Session #9 : Tools, Tips and Tricks to improve your Spring Persistence layer by Thomas Risberg

Most database development can be helped by using available tools, as long as you know what to look for and where to look. We will look at some useful tools and see how they can be configured to help you run within a Spring development environment. We'll also discuss ways to monitor database activity whether you are using an ORM tool or rely on your hand crafted JDBC statements. This is critical in order to tune your Spring application's persistence layer. The talk is rounded out by looking at a few JDBC puzzler's and some tips on how to improve the performance of your database code.

Session #10 : Implementing REST Web Application Architectures with Spring MVC by Arjen Poutsma

One of the major new themes of Spring 3.0 is the support for REST in Spring MVC. In this session, Arjen will investigate these features from the perspective of a web application developer. Attend this session to learn about URI templates, content-negotiation, and other RESTful concepts.

Session #11 : Diagnosing web application OutOfMemoryErrors by Mark Thomas

This session will start with an overview of the JVM memory structure and explain some common misconceptions regarding the standard memory related JVM configuration options. Each of the typical OutOfMemoryError failures will be demonstrated and the symptoms explained. Attendees will also learn how to diagnose these failures. To complete the session, the key to Server configuration parameters that impact on memory usage will be discussed.

Session #12 : Keeping Up with Constantly Changing IT Environments by Jennifer Hickey

Today's IT infrastructure undergoes constant change due to technology shifts, cost, scalability, and complexity. This session will cover the features of Hyperic HQ specially designed to handle the high frequency of change, including its broad and extensible support of technologies, powerful auto-discovery, real-time change detection, global resource type templates, events and alerts generation, and scriptable web services API that automate inventory management.

Session #13 : Groovy Compiler Metaprogramming and AST Transformations by Hamlet D'Arcy

'A language should have access to its own abstract syntax' John McCarthy, Father of Lisp. Well, now Groovy 1.6 does! This talk is about why AST transformations are important, what you can do with them, and where the language world is headed. We'll dive into some of the useful Groovy annotations and libraries being written that harness AST transformations, see how to write our own, and work with the AST tools coming out with the next version.

Session #14 : RESTful Grails by Scott Davis

TBD

Session #15 : XML and Web Services with Groovy by Paul King

Groovy provides excellent facilities for parsing and creating XML. As well as providing syntactic sugar on top of traditional Java-based parsing approaches (e.g. SAX, DOM, StAX), it has its own XmlParser and XmlSlurper libraries which support XPath-like expressions at the object level (akin to LINQ in the .Net world). In addition, Groovy's markup builders provide an elegant and efficient way to create and modify XML. Groovy also has various options available for SOAP and RESTful web services. We'll examine the most popular of these.

Session #16 : Intro to Griffon: Grails for RIAs by Danno Ferrin

What is the Griffon Framework? And how would I use it? This session will help those who may not have been following the Griffon framework understand what it is and see how it works.

11:45 - 12:45 PM : LUNCH

12:45 - 2:15 PM - Sessions

Session #17 : What's new in SpringSource Tool Suite by Christian Dupuis

SpringSource Tool Suite (STS) provides the best Eclipse-powered development environment for building Spring-powered enterprise applications. STS combines Spring IDE and Eclipse Mylyn to significantly streamline the development process and help making SpringSource best-practice knowledge and recommendations available to developers at their fingertips while working in their IDE. This session will cover the latest features that have been added for STS including Spring Roo support, cloud development tools, virtualization integration and updates for Spring projects.

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Session #18 : Simplifying Java Server Faces Development with Spring Faces by Jeremy Grelle

Traditional JSF development has gained a reputation for being overly complex and cumbersome. Spring Faces introduces a host of features that improve the development experience and performance a JSF application. In this session, attendees will see a real-time demonstration of how Spring Faces makes the JSF experience more productive and reduces the pain of container re-starts and verbose configuration. This live coding session will highlight the features of Spring Faces that make using JSF and Spring together a more cohesive experience: * High-level DSL for structuring control logic that utilizes EL and Groovy and is both easy to unit test and fully dynamic and refreshable in-container at runtime. * Introduction of view and flow scopes that fit more naturally with JSF's stateful model * Reduction in external configuration with no need for JSF managed- bean or navigation-rule definitions * Easy-to-introduce client-side validation and Ajax * Flow-managed persistence contexts that enable true transparent persistence. * Simplified integration with Spring Security * Less conceptual disconnect by enabling the Spring programming model throughout the stack ("turtles all the way down")

Session #19 : SpringSource tc Server Overview and Futures by Randy MacBlane and Jon Travis

This session will cover the current features available in SpringSource tc Server, the enterprise version of Apache Tomcat that provides developers with the lightweight server they want paired with the operational management, advanced diagnostics, and mission-critical support capabilities businesses need. SpringSource tc Server is designed to be a drop in replacement for Tomcat 6, ensuring a seamless upgrade path for existing custom-built and commercial software applications already certified for Tomcat. The session will also discuss some of the planned use cases for tc Server and provide attendees with the opportunity to share their needs derived from using Tomcat in production. If you use Apache Tomcat in development or in production this session will be valuable to you.

Session #20 : Scale your operations, not your team by Chip Witt

In the age of the cloud and virtualization, infrastructures are changing more rapidly than ever. Ops teams must still provide the same level of oversight to make sure everything is running smoothly. In this session you will learn how to use tools to manage and monitor your entire infrastructure in scalable ways.

Session #21 : Industrial Strength Groovy by Paul King

You've used Groovy to quickly hack together some short scripts or a simple Grails app. Now you want to treat it more seriously and apply best practices and tools. For Java you'd look at style and coverage checkers, JavaDoc, dependency injection, mocking, testing and build frameworks. For Groovy you have EasyB, Cobertura, CodeNarc, Simian, GroovyDoc, Hudson, Ant, Maven, Gant, Gradle, Spring, Guice, Spock, GMock and more. The talk is packed full of tips and examples for these and other tools.

Session #22 : Grails Internals by Jeff Brown by Jeff Brown

There are many features provided by The Grails Framework which at first appear to be black magic. Where does the 'log' property come from? How do GORM dynamic finders really work? How can I add similar properties and behavior to classes at runtime? All of these questions will be answered during this session.

Session #23 : A Practical Take on GORM by Robert Fischer

For years, the venerable Hibernate object-relational mapping framework has dominated the persistence scene in Java. The Grails web application framework extended Hibernate and Spring with their impressive GORM persistence framework, providing convention-over-configuration development to the O/RM and DAO layers.

Session #24 : UI Performance - Maximizing Page Load Efficiency by Burt Beckwith

The Yahoo Performance Team has made a ton of great UI performance tuning information available, both online and in two books, "High Performance Web Sites" and the recently released followup "Even Faster Web Sites".

2:15 - 2:45 PM : BREAK

2:45 - 4:15 PM - Sessions

Session #25 : Web Service Interop between Spring and .NET by Kent Brown and Mark Pollack

In many environments today there are multiple technology stacks and the services built on the various technologies need to be able to connect to each other. The web service standards around SOAP were defined to make this interoperability possible. In this session we will look at the web service capabilities of the .NET and Spring frameworks and ways that Microsoft and SpringSource are working together to make interoperability between the platforms easier for developers.

Session #26 : Introducing Spring Roo: extreme productivity in 10 minutes by Ben Alex

Spring Roo is SpringSource's new open source technology which delivers working enterprise Java applications within 10 minutes. Roo's incredible productivity boost is reflected by end user comments like "I'm impressed", "liking it", "here comes some innovation", "Roo looks interesting and works", "very impressive tool" and "very cool". Come along and find out what has got everyone excited, direct from Ben Alex - the Roo project's founder and lead.

Session #27 : Monitoring, troubleshooting and tuning web application in production environments by Filip Hanik and Jennifer Hickey

Managing production environments offers a large set of challenges. Restricted access, a limited tool set, unpredictable traffic patterns and organizational gaps are only a few. To overcome these barriers one must understand the process, the runtime environment and

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the practical application of technologies and their behaviours. In this interactive session we will demonstrate capabilities that enable developers, administrators, and operators to diagnose, measure, and monitor their applications and the infrastructure their applications are deployed on. The goal is to achieve swift isolation, correct diagnosis and minimum impact resolution.

Session #28 : Monitoring and maintaining the IaaS and PaaS Using Hyperic HQ by Isaac Christoffersen

With the heavy use of virtualization technologies in today's data centers, it has become increasingly easy to provision new servers to meet peak system demands. However, this new level of responsiveness has created new challenges for the operations management of the data center. Using three customer case studies, this presentation will talk about how Hyperic HQ was used to greatly simplify the inventory management and system monitoring challenges. This presentation will also talk about how a monitoring solution must be a part of any Infrastructure and Platform as a Service solutions.

Session #29 : MOPing up Groovy by Venkat Subramaniam

Metaprogramming and AOP is built into the language. In this presentation you will deep dive into the metaprogramming features of Groovy. You will learn the pros and cons of different features and when to use which. You can learn how to perform code injection and code synthesis.

Session #30 : Flex for Grails Developers by Scott Davis

Grails is a powerful server-side web framework based on the Model/View/Controller (MVC) design principle. Flex is a popular Rich Internet Application (RIA) framework for building client-side applications.

Session #31 : Eclipse Groovy Tooling by Andy Clement

The next major version of the Groovy Eclipse Plugin is built on a new builder technology, where the Eclipse JDT Compiler has been extended to seamlessly integrate groovy compilation.

Session #32 : Grails Security by Ken Sipe

Grails brings together the best of breed frameworks on the JVM that allows for a quick time to market rollout of a project. As important as time to market and quality is there is still one thing that requires and demands some time and attention: Security! There is a growing threat with 75% of today's hacking attempts attacking the web tier.

4:15 - 4:30 PM : BREAK

4:30 - 6:00 PM - Sessions

Session #33 : Spring DI styles: Choosing the right tool for the job by Chris Beams and Mark Pollack

In this talk we will provide a hands-on tour of the new dependency injection features in Spring 3.0. Focusing on container configuration, we will show by example the use of Java, Groovy, Annotations and just a wee-bit of XML to wire up your application. Just as important to knowing how to configure the container, we will also discuss why you would choose one method over another, how they can be mixed and matched, and how a global view of the application can be viewed inside STS.

Session #34 : Case Study: RESTful Web Services at Orbitz by Alex Antonov

In the beginning Orbitz had a Jini based distributed system. The system design provided easy scalability and stability, but at the cost of tight coupling because of many shared modules and components, as well as Java serialization rules. In order to improve cohesion between individual services the decision has been made to migrate to a RESTful web services architecture. The new design is based on Google Protocol Buffers to define message formats and Spring/Spring MVC to handle client-server interaction. This resulted in a loosely coupled federation of services, each with its individual release and deployment schedule, which enabled more developer innovation and easier access to more data in a uniform fashion.

Session #35 : Migrating to Tomcat or tc Server by Colin Sampaleanu

SpringSource tc Server can offer a compelling alternative to traditional (legacy) full stack Java EE application servers, based on a number of factors including performance, licensing cost, resource utilization, usability for agile development environments, and cost of management, among others. However, for organization looking to move existing applications to tc Server, it is not always clear what the effort and impact will be, to move individual applications. This session outlines a clear set of criteria, strategies, and steps (including any needed refactoring) in deciding to move applications to tc Server, and then making the move. The optional use of the Spring Framework, as part of any migration effort, is also covered in this presentation.

Session #36 : Expert Roundtable: The Future of Enterprise Deployment by Dennis Callaghan, Michael Cote, Al Hilwa, Andi Mann, and Javier Soltero

Join Javier Soltero, SpringSource CTO of Management Products for an expert panel discussion about the future of enterprise deployment and what IT operations staff should be looking for when considering their production system needs. The panel includes notable industry experts: Michael Cote (Redmonk), Andi Mann (EMA), Dennis Callahan (The 451 Group), Al Hilwa (IDC).

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Session #37 : Groovy from the Trenches by Andrew Glover

Groovy has been successfully leveraged at various companies around the world in order to build enterprise applications on the Java platform quickly. In particular, Groovy has proved its value at a large financial services client on more than one occasion to build mission critical applications in short order-- all while leveraging their existing investment in the Java platform from developer tools all the way to data center management.

Session #38 : Grails and the JVM Memory Management by Ken Sipe

Regardless of the language used, if you are deploying to the JVM it is important to know some of the JVM internals. This session will provide significant details of how heap is divided along with the function of each component. We'll explore how dynamic languages put added gc pressures on the JVM and what to do about it.

Session #39 : Unit Testing and Mocking your Java Code with Groovy by Venkat Subramaniam

One of the best ways to introduce Groovy to new projects and teams is to use it for Unit testing Java code. Using Groovy to unit test Java code has several advantages. You can take advantage of its concise syntax for writing tests. Groovy's dynamic and metaprogramming capabilities can be exploited for mocking purposes.

Session #40 : Grails for the Enterprise by Robert Fischer

The Grails web application is an innovative hybrid of best-of-breed Java technologies and dynamic/convention-based development. The result is a powerful, flexible, exciting framework that still fits comfortably into enterprise stacks.

6:00 - 6:30 PM : BREAK

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7:30 - 8:45 PM : TECHNICAL KEYNOTE - Adrian Colyer

8:45 - 10:00 PM : SPONSOR RECEPTION

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Wednesday, Oct. 21

7:30 - 8:30 AM : BREAKFAST

8:30 - 10:00 AM - Sessions

Session #41 : Speeding Delivery and Boosting Quality with Reusable and Industrialized Architectures by Maudrit Martinez and Vipul Savjani

Learn how Accenture is helping clients maximize their success with reusable and industrialized architectures. This session will focus on the latest release of Accenture Delivery Architecture (ADA) and how Accenture integrates OSS technologies, best practices and processes in ADA to enable full-scale industrialization of software delivery for high performance. The presentation will also highlight some of the recent steps Accenture has taken to adopt Spring and Skyway, to enable accelerated development through standardized development environments, processes and tools. The session will feature an overview of the Accenture Foundation Platform for Java™, followed by a live demo of how the platform works in the cloud.

Session #42 : Extreme Web Productivity with Spring Roo by Stefan Schmidt

Spring Roo delivers outstanding productivity gains to any class of application, and in particular web applications built on the proven Spring web stack. In only seconds you can effortlessly add web features including RESTful backends, URI rewriting, Selenium-powered integration tests, Spring Web Flow and Spring JavaScript to your enterprise applications. Join Stefan Schmidt - the author of Roo's web add-ons - to discover more about these Web 2.0 features. **Prerequisite:** *Introducing Spring Roo: extreme productivity in 10 minutes*

Session #43 : Agile Architecture - Technologies and Patterns by Kirk Knoernschild

Software architecture is not static, and architectural shifts occur throughout the course of a project. Agile architecture is defined by our willingness and ability to embrace and accommodate architectural change. In this sense, agile architecture is both temporal and structural. The temporal aspect pertains to when decisions are made, and demands that the architect be flexible. The structural aspect demands that the architecture be flexible so that the team is able to accommodate change. In other words, our willingness to embrace change must be accompanied by our ability to accommodate change. Agile architecture demands both, and the absence of one precludes the presence of the other. In this session, we examine these two aspects of agile architecture. We'll discuss the concept of architecture throughout the lifecycle, and the activities performed by an agile architect. Extensive discussion is also devoted to modularity, and how large systems can be organized to increase flexibility, reusability, maintainability, extensibility, and testability. Numerous examples illustrating modularity patterns will be shown using OSGi and Spring DM. And we'll explore the inextricable link between temporal and structural agile architecture.

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Session #44 : Composing Content-rich Web Applications using REST-based Scripting by John Newton

Rapid assembly of a Spring web application requires an easy-to-use web framework for developers and web designers that makes it very simple to compose content into the user experience. High-end web sites, such as travel and e-commerce sites, may use Spring to integrate enterprise and back-end systems into the site, but can be let down by limited web frameworks, a lack of content services and a mass of disconnected JSP pages. This presentation explains and demonstrates the SURF framework as a new web framework founded upon the concept of Scriptable REST. Scriptable REST quickens the pace for deploying REST controllers and remote application interfaces. It enables a scripting approach to web application assembly – lowering the cost of application development while moving the design of the web site from a purely technical exercise to one that can be built and extended by a web design team. The SURF web framework improves upon existing web frameworks (such as Tiles or SiteMesh) by offering an easier means for defining and reusing site elements such as pages, templates, layouts, components and chrome. SURF provides remote connectivity management as well as integration to open standards, such as the OASIS CMIS interoperability standard so as separate content management from the application development process. Using the standard Spring Pet Clinic application as a starting point, this session shows how that application can be developed using SURF's Scriptable REST architecture. It demonstrates how content is externally managed, deployed and integrated into the application by the end user. It also shows how the application can be extended using scripting that complements the Spring MVC framework.

Session #45 : Design your own Domain Specific Language by Guillaume LaForge

Understanding the domain within which customers evolve is a key factor in the success of a project. From this domain and its wealth of concepts, as software developers and architects, we can derive a design that is aimed at solving problems encountered in the day-to-day business. So far, we mostly solved these brainteasers with computer science paradigms like Object-Oriented Programming, n-tier architectures, or with tools such as rules engines to stay close to the domain at hand. However, with the advent of dynamic languages, a new era has come to let you create languages tailored to a given domain of knowledge, allowing you to share a common metaphor of understanding between developers and subject matter experts. Groovy, the popular and successful dynamic language for the JVM, offers a lot of features that allow you to create embedded Domain-Specific Languages. Closures, metaprogramming, operator overloading, named arguments, a more concise and expressive syntax, are elements of Groovy you can take advantage of to create your own mini derived language.

Session #46 : Groovy And Grails For Spring Developers by Jeff Brown

The Spring Framework is the most comprehensive and most powerful application platform ever built on top of The Java Platform. Spring is the de facto standard platform for building enterprise Java applications. Groovy has always integrated very well with Spring. Spring is an absolutely integral component that supports much of the power, flexibility and ease of development offered by Grails.

Session #47 : Introduction to Gradle by Hans Dockter

Gradle combines the flexibility of Ant with a build-by-convention approach a la Maven. But both implemented in a more powerful and less restrictive way. You will learn about Gradle's rich domain model which provides a true build language. Thus offering the abstractions missing with Ant without the restrictions and obstacles of a rigid framework. Gradle has a particular focus on enterprise builds. One aspect of this is are many optimization strategies for building fast and yet reliable.

Session #48 : Flying with Griffon by Andres Almiray

Building a desktop application is a hard task, there are some many things to keep track of that many projects simply fail to meet their goals. Setting up the project structure keeping each artifact on a well identified location given its responsibility and type, defining the base schema for managing the application's lifecycle, making sure the build is properly setup, and more. These are recurring tasks that should be handled by a tool or better yet, a framework. Griffon is such a framework. Inspired by the Grails framework Griffon aims to bring the same productivity gains to desktop development, there are so many traits shared by both frameworks that a Grails developer should be able to pick up the pace fairly quick.

10:00 - 10:15 AM : BREAK

10:15 - 11:45 PM - Sessions

Session #49 : That old Spring magic has me in its SpEL: DI Wizardy with the Spring Expression Language by Craig Walls

Spring 3.0 introduced the Spring Expression Language (SpEL), an extremely powerful yet succinct way to wire non-trivial values into Spring beans. In this presentation, we'll explore SpEL in great detail and see how SpEL opens up a whole new realm of bean wiring possibilities.

Session #50 : Technical Introduction to Flex for Building Breathtaking Rich Internet Applications by Christophe Coenraets and Jeremy Grelle

For the last few years, the industry has shifted its attention to the client and the quality of the user experience. The incremental improvements that we have witnessed so far are just first steps on a path towards "High Definition" user interfaces: vector graphics-powered expressiveness, in-context collaboration, rich media integration, real time data, and offline capabilities will become standard attributes of most web applications. In this session, Christophe Coenraets will provide an in-depth technical introduction to Flex, a complete solution for building this new breed of applications and demonstrate the integration with Java and Spring powered back-ends.

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-Session Schedule-

(event schedule as of October 15, 2009)

Session #51 : A Basic Introduction to Using OSGi in Enterprise Solutions by Rob Harrop

Could your application benefit from a more modular architecture? Do you need to load or reload application components while it is running? Do you want to understand what OSGi means for you, an enterprise Java developer? Join Rob Harrop for a basic introduction to the concepts and technology behind OSGi and how it can be used successfully in enterprise applications.

Session #52 : Faster Time to Value through Cloud Computing by Charles Lee

Cloud computing is the biggest IT trend in a decade. The promise of cost and time savings are not obvious nor easily realized. We will present cloud deployment strategies for Java web applications using a number of SpringSource products that dramatically compresses the application lifecycle and help you run and manage cloud deployments successfully and efficiently. SpringSource products reduce the learning curve, complexity, time, and cost to leveraging the leading cloud vendor technologies. This session will include the following topics: - Java web application deployment - Deployment blueprints - Monitoring and Management services - Auto-scaling and forecasting - Transitioning from development to production

Session #53 : Functional Groovy by Hamlet D'Arcy

For many, learning Groovy made you think differently about Java. Now it's time to think differently about Groovy. Although Groovy is not a functional language by many measures, it does support many of the common functional idioms and patterns. Come explore both how far functional programming can be pushed in Groovy, where functional programming can't currently go, and where functional programming is headed in future releases of both the language and the JVM.

Session #54 : RESTing easy with Grails by Andrew Glover

Representational state transfer (REST) is a way of thinking, not a protocol or standard-- it's a style of designing loosely coupled applications that rely on named resources (in the form of URLs, URIs and URNs, for instance) rather than messages. Ingeniously, REST piggybacks on the already validated and successful infrastructure of the Web-- HTTP. That is, REST leverages aspects of the HTTP protocol such as GET and POST requests, which map quite nicely to standard business-application needs such as create read, update, and delete (CRUD). By associating requests, which act like verbs, with resources, which act like nouns, you end up with a logical expression of behavior: GET this document and DELETE that record, for example.

Session #55 : Gradle in the Enterprise by Hans Dockter

The requirements for Enterprise builds are often particularly challenging. The Gradle build system has a particular focus on those requirements. Although Gradle comes with out-of-the-box support for standard Java/Groovy/Web projects, it never forces you into adopting to a certain behavior. First Gradle gives you a lot of freedom to customize the standard behavior. But you may also not use the standard behavior at all. You can either have a complete custom build, or define your own behavior rules which you can then apply to all your enterprise builds. Another important enterprise feature of Gradle is its smart optimization of executing the build. Gradle only does what is necessary without compromising on reliability. Additional enterprise features are the flexible multi-project-build support and the highly customizable dependency management. **Prerequisite:** *Introduction to Gradle*

Session #56 : GrailsUI Primer by Matthew Taylor

This presentation will introduce AJAX in Grails through the GrailsUI plugin. We'll start with the core concepts behind the plugin and give examples of the most widely used and interesting widgets GrailsUI provides.

11:45 - 12:45 PM : LUNCH

12:45 - 2:15 PM - Sessions

Session #57 : Spring and Java EE 6 by Costin Leau and Mark Pollack

The Spring Framework is well-known for tight integration with the J2EE 1.4 and Java EE 5 platforms. Now Java EE 6 is coming our way... * Where are new integration opportunities emerging? * Where is the Spring component model compatible with the direction that Java EE 6 is taking? This talk will provide an analysis and overview on the integration points between the Java EE 6 APIs and Spring.

Session #58 : Working with Spring Web Flow by Keith Donald

Web Flow is a Spring Web MVC extension that allows you to define Controllers using a higher-order domain-specific-language. This language is designed to model user interactions that require several requests into the server to complete, or may be invoked from different contexts. This session dives deep into the features of the Web Flow 2 definition language, and illustrates how to use it to create sophisticated controller modules.

Session #59 : What's new in dm Server 2.0 by Ben Hale

The dm Server 2.0 release adds significant features to the world's most advanced OSGi-based application server. This session will go into detail about the new repository structure, cloning, rfc-66, web slices, and more.

Session #60 : Advanced Configuration and Tuning of Apache HTTPD by Jim Jagielski

Look inside any Enterprise environment and you'll find the Apache HTTP Web Server. This session will describe advanced configuration and tuning techniques to get the most out of Apache HTTPD, balancing performance, reliability and security.

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Session #61 : Metaprogramming in Groovy and Grails by Scott Vlaminc

There are many things you can do with runtime metaprogramming in Groovy and a number of ways to do them. By building web applications with Grails, you are already using metaprogramming behind the scenes. But it's not always clear why and when you should use metaprogramming techniques in a Grails project.

Session #62 : Spring Web Flow in Grails by Joseph Nusairat

This presentation will go over how to use Spring Web Flow in Grails to make easy to use page flow based applications.

Session #63 : Advanced GORM - Performance, Customization and Monitoring by Burt Beckwith

You've used GORM in Grails apps, you've written custom criteria and HQL queries, and now you're ready to take database access in Grails to the next level.

Session #64 : The Griffon Tenets: How the Rails Tenets Translate to RIAs by Danno Ferrin

The Rails tenets are great, for web based applications. But how do the values hold up when applied to Desktop and Rich Internet Applications?

2:15 - 2:45 PM : BREAK

2:45 - 4:15 PM - Sessions

Session #65 : Spring Integration 2.0 Preview by Mark Fisher

The first milestone version of Spring Integration 2.0 has just recently been released. This version builds upon a Spring 3.0 foundation and will provide several new features including extensive Spring EL support, AOP interception for publishing Messages, and Message Channels that are backed by JMS Destinations. The 2.0 release will also include enhanced OSGi support and several new adapters such as JDBC, TCP/UDP, XMPP, and RSS. This session will begin with a quick overview of Spring Integration 1.0 for those who are not yet familiar with the project. Next, we'll go through some demos of the features that are already available in the first milestone. Finally, we'll explore the 2.0 roadmap and discuss the features that will be available over the next couple of months leading up to the 2.0 final release. This is your chance to not only catch a glimpse of the project's future but even to influence it with your own ideas and feedback. Don't miss the opportunity!

Session #66 : Modular Web Applications with OSGi by Rob Harrop

In this session, Rob Harrop, author of the RFC66 reference implementation, provides a rapid-fire tutorial on creating effective modular web applications for OSGi and the RFC66 Web Container.

Session #67 : Running Java and Grails applications on the Amazon Elastic Compute Cloud by Chris Richardson

The Amazon Elastic Compute Cloud (EC2) is ideally suited to running Java applications. It lets you develop using standard Java software packages such as Tomcat and MySQL and rapidly deploy applications on servers that are provisioned and managed via a web services API. And, with its pay as you go pricing model, Amazon EC2 enables startups to launch their application without any upfront investment in computer hardware and allows enterprises to reduce costs and become more agile. However, because it is a cloud, some aspects of Amazon EC2 are very different than a traditional, physical computing environment. In this session you will learn about those differences and how they impact how you handle security, networking, storage and availability. We describe how to use EC2 and the other Amazon web services to develop and deploy Java applications. You will learn how to use EC2 availability zones to deploy highly available applications. We also discuss how to architect secure applications for Amazon EC2.

Session #68 : HQ Management Playbook: Your guide to a winning operations strategy by Chip Witt

Hyperic HQ is used to monitor some of the largest and most visible web applications on the internet. This session aims to combine the knowledge gained from these deployments to provide a set of best practices for your web management infrastructure. Topics to be covered include everything from architecture and deployment of HQ, to extension areas of the product to allow for integration with other management systems and processes. We will also cover best practices for instrumentation of applications to provide a smooth transition from development to operations in the build, run, manage application life-cycle.

Session #69 : Groovy Testing by Scott Davis

"Tests don't break things; they dispel the illusion that it works." (Anonymous) In this era of "Test-First" and "Test-Driven" development, the modern software engineer knows that testing is no longer an optional part of the process. You need to have the best tools at your fingertips: a set of utilities that maximize your results with a minimum of effort. Groovy offers Java developers an optimal set of testing tools.

Session #70 : The Grails Plug-in System Part I: Plug into productivity by Graeme Rocher

Grails is more than just a web framework, it is a complete platform and API for runtime configuration. This talk, by Grails project lead Graeme Rocher, will demonstrate Grails' modular architecture and how to hook into runtime configuration to adapt your application based on its environment and/or the presence of other plug-ins. The talk will start with an overview of the Grails architecture and then jump into an extended example of how to write your own plug-in. As part of the journey you'll learn how to customize the Grails build

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system, participate in runtime Spring configuration, add new persistence methods that work with Hibernate and enhance your existing classes through Grails' advanced Groovy Meta-programming system.

Session #71 : Legacy Code, Groovy, and You by Hamlet D'Arcy

Thinking about writing Groovy unit tests for your legacy Java code? This session is an honest discussion about what Groovy will gain you and what it won't.

Session #72 : Agile Developer Practices for Dynamic Languages by Paul King

Developer practices for traditional and agile Java development are well understood and documented. But dynamic languages (Groovy, Ruby, and others) change the ground rules. Many of the common practices, refactoring techniques, and design patterns we have been taught either no longer apply or should be applied differently and some new techniques also come into play. In this talk, we'll relearn how to do agile development with dynamic languages.

4:15 - 4:30 PM : BREAK

4:30 - 6:00 PM - Sessions

Session #73 : Automating Operations with Spring Batch and Spring Integration by Mark Fisher and Dave Syer

In this presentation Dave Syer and Mark Fisher will show how to reduce the burden of manual processing in a batch processing environment, and demonstrate how some common real-life use cases can be implemented using features from Spring Batch and Spring Integration. Automation and cost reduction is a key theme for operators and the SpringSource stack has features that make these concerns accessible to developers, so that they become natural and cheap to implement and embed in any application. Starting with a simple job, the presentation shows how to trigger its execution using file-polling. The sample is then expanded to show interesting partial failure and automatic retry and restart scenarios, all with transparent monitoring and management through a simple user interface.

Session #74 : Spring Roo: technical deep dive by Ben Alex

While an "out of the box" install of Spring Roo provides a tremendous productivity improvement for new Java developers and seasoned architects alike, there are many exciting opportunities for further gains once you start developing Roo "add-ons". Writing a Roo "add-on" enables you to fine-tune how Roo works and add support for extra technologies. Despite such flexibility, add-ons are surprisingly easy to write and brief (many core Roo add-ons are only a dozen lines of code). This session will be of interest to anyone interested in developing their own Roo add-ons, as well as those who are simply curious how Roo works under the hood and want to gain a better understanding of the technology. **Prerequisite:** *Introducing Spring Roo: extreme productivity in 10 minutes*

Session #75 : Case Study: SRM 2.0 - A next generation shared resource management system built on SpringSource dm Server by Matt Stine

St. Jude Children's Research Hospital's Shared Resource Management (SRM) system is a laboratory management system designed to support core facility activities. It was originally designed to support the laboratories in the Hartwell Center for Bioinformatics and Biotechnology (<http://www.hartwellcenter.org>) at St. Jude, and was implemented over the course of 3 years using a traditional J2EE stovepipe architecture leveraging EJB 2.0 and a "homegrown" web framework. Fast-forward five years to 2009, and you'll find SRM 2.0, a complete rewrite using Spring, Spring Web MVC, Spring DM/OSGi, and SpringSource dm Server, nearing a production release after approximately nine months of effort.

Session #76 : Open Source vSphere Java API for managing VMware platforms by Steve Jin

This session will give you an overview of VMware management APIs, and focus on the open source VI Java API. You will learn how to leverage VMware vSphere for your development, testing and deployment using the API. The coverage includes the basic concepts and object model of the API, how to configure vSphere/VMware Server, how to provision new virtual machines and manage their lifecycles, how to monitor system performances, how to automate system management.

Session #77 : Groovy AST Transformations by Venkat Subramaniam

In this presentation you will learn about Groovy's relatively new capability to provide Abstract Syntax Tree transformations. This powerful feature can help you implement Domain-Specific Languages, extend the language in a reasonable fashion, and provide compile time metaprogramming capabilities.

Session #78 : The Grails Plug-in System Part II: Plug into productivity by Graeme Rocher

Part II of the Grails Plug-in System will pick up where Part I left off.

Session #79 : Groovy and Concurrency by Paul King

This talk looks at using Groovy for multi-threaded, concurrent and grid computing. It covers everything from using processes, multiple threads, the concurrency libraries ear-marked for Java 7, functional programming, actors including GParallelizer, as well as map reduce, grid and cloud computing frameworks. We'll look at leveraging Java techniques as well as Groovy specific approaches.

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Session #80 : Sampling the Griffon Testing Buffet by Andres Almiray

Testing a desktop application, an often neglected task left to the last possible moment if it is not entirely scrapped from the schedule, the QA team should be able to handle the load, ain't that right? with Griffon there are no more excuses, there is an easier way to make ends meet when testing a desktop application. Griffon will help you keep an eye on your application's green bar from the get go, it also comes with a full arsenal of plugins that make this task even more enjoyable and rewarding.

6:00 - 7:00 PM : BREAK

7:00 - 8:00 PM : DINNER

Thursday, Oct. 22

7:30 - 8:30 AM : BREAKFAST

8:30 - 10:00 AM - Sessions

Session #81 : Enterprise JPA & Spring 3.0 - Tips and Tricks for JEE5 Persistence by Pratik Patel

As with many technologies, the basics are easy. The hard part comes when the developer needs to do sophisticated integration, development, and testing as part of an enterprise application. A large enterprise application requires the developer to think of issues that affect the development, scalability and robustness of the application. This presentation will cover the advanced topics described below with a focus on the new persistence features in Spring 3.0 and JPA 2.0.

Session #82 : Enhancing Spring MVC Web Applications Progressively with Spring JavaScript by Jeremy Grelle

Spring JavaScript is a JavaScript abstraction framework that allows you to progressively enhance a web page with behavior. The framework consists of a public JavaScript API along with an implementation that builds on the Dojo Toolkit. Spring.js simplifies the use of Dojo for common enterprise scenarios while retaining its full-power for advanced use cases. Come to this session to learn to use Spring.js and Dojo to create compelling user interfaces for your Spring MVC web applications.

Session #83 : Terracotta - Ehcache, Hibernate, and Database Performance and Scalability in Real Apps by Ari Zilka

Spring has made writing enterprise apps a lot less complicated, but the getting performance and scalability you need can still be a challenge. With its recent acquisition of Ehcache and the newly released Terracotta for Hibernate, Terracotta has built a line of distributed cache products that can help Spring developers build fast scalable applications with a lot less hassle. In this presentation you'll learn how to get high performance and scale using Terracotta as the engine for Ehcache and Hibernate performance. Ari will walk you through the details of real customer applications where Terracotta has been used with Ehcache and Hibernate to achieve 30-90% database offload, 10 times the application throughput, and reduce application latencies to the single-digit millisecond range. Also, get insights into the Terracotta product roadmap and learn about some new features being built for Ehcache

Session #84 : Operations Intelligence: Learn More from Your Performance Data by Charles Lee

Hyperic HQ collects more application performance metrics and provides more coverage for the entire web infrastructure stack than any other systems monitoring software. HQ's metric data keeps IT infrastructures running smoothly with real-time alerts and on-the-fly analysis for root cause resolution. However, when context is applied to the data, you gain an insight into the performance data that helps operations and business users to analyze, evaluate, plan, act, and make strategic decisions. This session will present different usage scenarios and environments and walk through how Hyperic IQ can apply intelligence to the abundance of application performance data from HQ. We will be looking at a number of IQ's built-in report templates that can easily be adapted to your environment.

Session #85 : Know your Groovy by Venkat Subramaniam

In this Jeopardy style presentation the audience will participate in exploring various topics in Groovy. Some prior knowledge of Groovy is assumed in this session.

Session #86 : Demystifying Spring Security in Grails by Burt Beckwith

The Spring Security (Acegi) plugin for Grails has gotten a bad rap. Earlier versions of the plugin and the Acegi framework were somewhat cumbersome to use but new features in Spring Security 2.0 and lots of enhancements and features in the Grails plugin have made securing your Grails apps easy.

Session #87 : OSGi and Groovy Jump Start by Hamlet D'Arcy

OSGi, Jigsaw, modularity, service lifecycles, bundles... where do you start? This talk covers the basics of using OSGi and Groovy together.

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Session #88 : Developing with Amazon Web Services by Chris Richardson

The Amazon Elastic Compute Cloud (EC2) is probably the best known web service from Amazon but it's not the only one. There are other highly scalable and reliable web services that you can use in your Grails applications including the Simple Storage Service (S3), Simple Queuing Service (SQS) and SimpleDB, a non-relational database. Although, using these web services couples your application to Amazon, they let you build highly scalable applications without the pain and cost of having to develop your own infrastructure.

10:00 - 10:15 AM : BREAK

10:15 - 11:45 AM - Sessions

Session #89 : Enterprise AOP with Spring and AspectJ by Ramnivas Laddad

Enterprise application development is a gold mine for applications of AOP. There are many crosscutting concerns found in a typical enterprise application, ranging from well-known security and transaction management to application- and technology-specific concerns. Using AOP leads to implementations that are easy to understand and easy to change. When we combine Spring with AspectJ, we get a pragmatic AOP solution. This demo-driven session shows how to implement common functionality needed by typical enterprise applications, with a focus on web applications.

Session #90 : Enhancing enterprise Spring implementation: Agile approach and tooling for extreme development productivity by Imad Bernoussi

Enterprise business applications require agile approach and right tooling to improve the development experience and performance. Spring offers different modules used to support business needs (integration, persistence, transaction...), but combined to complex business logic description, requirements tractability and incremental specification flexibility can put a big mess. During this session you will learn how to improve Spring based enterprise application development, focusing on M2Spring tools that provides a high level UML modeling approach for structuring application business logic and simplified integration of Spring implementation, based on model driven code generation.

Session #91 : Cloud Computing: Delivering Cloud Solutions from Development to Production with VMware by Prasad Pimplaskar

VMware vCloud delivers a single way to run, manage, and secure your applications where you want them, when you want them. The vCloud API is an interface for providing and consuming virtual resources in the cloud. It enables deploying and managing virtualized workloads in internal or external clouds as well as interoperability between clouds. In this session you will see the significant innovation that went into architecting a highly available, scalable, extensible, and secure multi-tenant application.

Session #92 : Building HQU Plugins with Groovy and Hyperic HQ by Marty Messer

HQU is a plugin framework for Hyperic HQ which allows custom UI to be inserted into, and interact with various aspects of Hyperic HQ. All HQU plugins have the ability to interact with the entire HQ backend, and come with an API which allows for fast development. This session covers the basic HQU plugin architecture, describes how to get started building custom plugins with Groovy and provides practical examples of what is possible for customization.

Session #93 : Expand your business with Groovy - Case Study by Jon Travis

As a small company, it's often necessary to add new features to get the biggest customers to buy your product. Hyperic HQ was a large, enterprise application based on J2EE and Struts. When big clients came to us they frequently required feature additions to close the deal. Groovy gave us the power to say YES to these customers without making any invasive modifications to our code base, allowed us to scale up for extremely large customers, and gave us a new point of contact for community contributions.

Session #94 : Grails in the Wild by Matthew Taylor

After developing Grails applications full-time for over a year, I've learned some useful tips, tricks, and common patterns. In this presentation, I'll share with you real world examples of how I've used Grails "In the Wild".

Session #95 : Design Patterns in Java and Groovy by Venkat Subramaniam

You're most likely familiar with the Gang-of-four design patterns and how to implement them in Java. However, you wouldn't want to implement those patterns in a similar way in Groovy. Furthermore, there are a number of other useful patterns that you can apply in Java and Groovy. In this presentation we'll look at two things: How to use patterns in Groovy and beyond Gang-of-four patterns in Groovy and Java.

Session #96 : Not Your Father's Custom Tags by Dave Klein

One of the most compelling features of Grails is its custom tag libraries. Yet many developers, especially those coming from a JSP or JSF background, run from the room screaming when someone suggests creating a custom tag. Grails custom tag libraries are a powerful way to encapsulate business logic and keep code out of our pages. They are also great for declaring intent and making pages more readable. But here's the best part... they are ridiculously easy to create.

11:45 - 12:45 PM : LUNCH

12:45 - 2:15 PM - Sessions

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Session #97 : Real world Spring JMS by Mark Fisher and Mark Pollack

This intermediate level talk will provide a quick review of the foundational JMS support in Spring (JmsTemplate and message driven POJOs) and then discuss several best practices regarding using JMS with Spring. Some of the best practice topics covered are effective JMS resource management, strategies for transactional message processing in conjunction with database access, and broker configuration tips for ActiveMQ. The use of JMS throughout the Spring portfolio will also be demonstrated, showing BlazeDS and Spring.NET for integration with Adobe and Microsoft .NET platforms as well and the use of JMS in Spring Web Services and Spring Integration.

Session #98 : Introducing Spring Security 3 by Ben Alex and Luke Taylor

Spring Security is a popular, open-source Java security framework that represents the Spring portfolio's official security capability. It has received hundreds of thousands of downloads, been ported to other platforms (such as Python and Microsoft .NET) and represents a popular choice in many banking, government, and military installations. This session presents practical solutions for addressing today's complex enterprise application security requirements using Spring Security. It takes attendees on a step-by-step journey that begins with the simple security requirement of a login form, and grows to include more advanced requirements such as web request authorization, single sign on and federated identity, advanced method authorization, plus rich client security considerations. Many of the exciting new features in Spring Security 3 (such as Spring Framework 3-powered expression language authorization) will also be covered.

Session #99 : Re-factoring a Spring Application for SOA using Spring technologies in 40 min by Tom McCuch and Oleg Zhurakousky

Traditional Enterprise Integration products (i.e., Enterprise Services Bus) promote a proprietary development and deployment model that requires a steep, costly organizational learning curve to successfully adopt. In addition, the more successful you are at adopting these development and deployment models - the more locked in to those proprietary products you become. What if Services Oriented Architecture could be incrementally adopted in a lower risk, more agile way - led by your current Java developers and systems analysts? What if the end-result of this incremental adoption could simply be a re-factored version of your existing Java business application that is still fully portable across all java run-time environments? Spring Framework, Spring Integration, and Spring Batch are lightweight, embeddable frameworks that serve to support the incremental adoption of SOA within your business applications, not complex, standalone middleware products that aim to control them (and ultimately you). This presentation will demonstrate how a legacy, vertically-integrated Java application can be re-factored toward a more flexible, modular service oriented architecture by the Spring developers you already have using the tools and platforms (tcServer, dmServer) they already know (and love). **Prerequisite:** *Spring Integration, OSGi & Spring-DM/dmServer*

Session #100 : How to make your testing more Groovy by Paul King

Testing can be a complex and thankless task. The technologies change so fast that your tools don't work as they should or you have to write lots of low-level boiler-plate code that is obsolete almost as soon as it's written. Your tests are brittle and hard to relate to customer requirements - you aren't even sure that you are testing the right things. Let's explore some techniques and tools for easing some of these burdens and try to move testing from tedious and hard to easier and fun!

Session #101 : Grails without a Browser by Jeff Brown by Jeff Brown

Everyone knows that Grails provides a fantastic MVC framework for building web applications. What many developers do not realize is that Grails provides a truly powerful and flexible application platform that may be used to build applications that do not have a browser front end at all.

Session #102 : Using GORM With Spring by Joseph Nusairat

Ever since Grails came out a few years ago it has grown in excitement and expectations. Grails allows an easy ability for developers to create applications in a faster pace. For Java developers it was even more exceptional because they were able to leverage technologies most were already familiar with, Hibernate and Spring. Especially interesting was the use of Grails Object Relational Mapping (GORM), GORM is the database persistence layer behind GRAILS. This allows for creating dynamic queries that are easily readable like "User.findByFirstAndLast(..)", which will generate a query to find by the columns first and last. Using queries like this makes it very quick and easy to create queries, especially with criteria queries. So what's the downside? We HAVE to use Grails. For some newer apps this may not be an issue. But a legacy application or an organization that does not want to jump down the dynamic path THAT fast it can be an issue. Well no more, with Grails 1.1 the ability to use GORM with a regular spring application is now realized.

Session #103 : AOP in Grails by Scott Vlaminck

Aspect-Oriented programming has grown and fallen in popularity, but it has been a buzz word for quite a while. Outside of security and logging, however, it can be difficult to find a realistic scenario where AOP makes sense, so examples can be hard to come by. With the Grails Circuit Breaker Plugin (<http://grails.org/plugin/circuit-breaker>), I found a real-life scenario where AOP is a perfect fit.

2:15 - 2:45 PM : END OF CONFERENCE