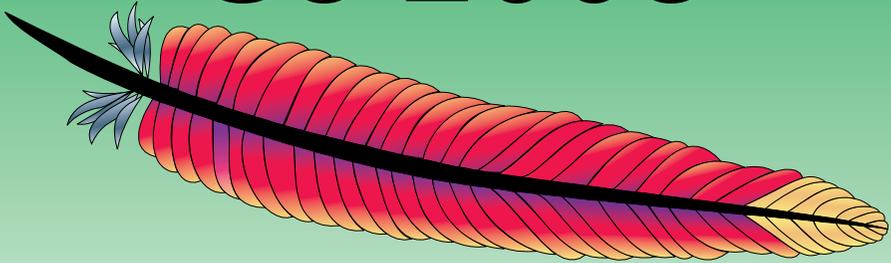


The Official User Conference of The Apache Software Foundation

# ApacheCon US 2008



**OFBiz Symposium**

<http://www.ofbiz.apache.org>

## Conference Program

3-7 November • New Orleans  
Leading the Wave of Open Source  
<http://www.us.apachecon.com>

Presented by: The Apache Software Foundation  
Produced by: Stone Circle Productions, Inc.

### SPONSORED BY



Silver



invent



Platinum



Gold



Silver



**New Orleans: Open. To Just About Everything!**

# Thank You to Our Sponsors

Platinum Sponsor



Gold Sponsor



Silver Sponsors



Additional Sponsors and Exhibitors



Community and Media Partners



Produced By



# Welcome to ApacheCon 2008!

As the official user conference of The Apache Software Foundation (ASF), ApacheCon is the best place on earth to learn about the latest projects and technologies being worked on at the ASF. More importantly, it's the best place to meet our communities – the members, committers, and contributors that power our over 60 top level projects.

We're excited to bring you the best ApacheCon yet, with all your favorite events, plus plenty of new ones. We've strongly focused our session tracks so you can spend the day in one room learning about everything from detailed performance and scaling of your httpd servers, to advanced searching and data processing with Apache Lucene Solr, and more. Our business and community track is expanded to cover all three days, for the best perspectives on how to work with open source communities – whether as a CTO or a developer.

We welcome the OFBiz Symposium to ApacheCon, bringing with it 4 days of content on the ASF's own enterprise automation software. Learn from the strong OFBiz community both the business and technical sides of running fully open source CRM, ERP, and E-Business solutions. Similarly, Hadoop Camp offers 2 days of presentations on Apache Hadoop, fully scalable computing; be sure to check out the Hadoop Camp coding contest running throughout the week!

BarCamp Apache is the place where everyone can be a speaker: show up at the opening session Tuesday and put your ideas on the white board. For the first time, all attendees are welcomed to attend the Hackathon on Monday and Tuesday, joining in with our committers to work on ASF projects. There's plenty of time for making contacts and learning more every evening at our welcoming reception with PGP keysigning, in Birds Of A Feather talks on Wednesday and Thursday, and at the ever popular Lightning Talks – start writing yours now!

We hope you're looking forward to spending time in New Orleans at this year's ApacheCon. We chose New Orleans for a reason: as the goal of the ASF is to produce software for the public good, so the choice of New Orleans is a way that our conference and communities can do some good in the physical world. Please consider joining us for our Voluntourism day, the Saturday following ApacheCon, to help clean up a small part of this great city.

Laissez Les Bon Temps Roulez!

**The ApacheCon US 2008 Planning Team**

**Shane, Lars, Noel, Nóirín, Rich, Danese, Justin, Sally, Bill, Aaron, and Carsten**

## VOLUNTOURISM DAY

**8 November**

Sponsored by Stone Circle Productions

**ApacheCon is arranging a “voluntourism” activity to support the rebuilding and revitalization of New Orleans. We invite our members, committers, and attendees to stay an extra day to make a difference in the real world, and pitch in to help!**

## SAVE THE DATE

**BarCampApache China**  
Beijing • 4-5 December, 2008  
<http://www.apachecon.com>

**ApacheCon Europe 2009**  
Amsterdam • 23-27 March, 2009  
<http://www.eu.apachecon.com>

**ApacheCon US 2009**  
Oakland, CA • 2-6 November, 2009  
<http://www.us.apachecon.com>

Fill out session evaluations live and online! <http://apacheconus2008.crowdvine.com/>

# Sponsors

## Platinum Sponsor



### Hotwax Media

Platinum Sponsor + Exhibitor

As the global leader in Apache Open For Business (OFBiz), HotWax Media provides web-based enterprise resource planning (ERP) and business automation consulting services. From enterprise-level e-commerce to warehouse, manufacturing, and financial management, HotWax Media and OFBiz help optimize business processes. HotWax Media and OFBiz represent the most strategic approach to enterprise management software systems available today, for businesses ranging from small- and medium-sized organizations to global Fortune 100 companies. For more information visit [www.hotwaxmedia.com](http://www.hotwaxmedia.com).

## Gold Sponsor



### Google

Gold Sponsor + Exhibitor

Google is a proud user and supporter of open source software and development methodologies. Google contributes back to the Open Source community in many ways, including source code, project hosting on Google Code, projects for students including Google Summer of Code and the Google Highly Open Participation Contest, and support for a wide variety of projects, LUGS, and events around the world. Learn more at [code.google.com/opensource/](http://code.google.com/opensource/)

## Silver Sponsors



### Hewlett-Packard

Silver Sponsor + Exhibitor

HP Open Source and Linux solutions are designed to solve your mission-critical IT problems today! We sell over a million Linux servers a year, delivering high performance, scalability, security, storage, and backed by our commitment to the open source community. Learn more about our market leading Linux platforms and Open Source Middleware Stacks at [www.hp.com/go/linux](http://www.hp.com/go/linux). Also be sure to check out our new FossBazaar and Fossology initiatives which are aimed at further encouraging the adoption of Open Source in the enterprise. Our solutions are delivered and supported by over 6500 Open Source and Linux professionals across 160 countries. Come visit us at our booth to hear how HP and the Open Source community are working together.



### Progress Software

Silver Sponsor + Exhibitor

The FUSE Community ([www.fusesource.com](http://www.fusesource.com)) was created to help users adopt and deploy Apache ServiceMix, Apache ActiveMQ, Apache Camel, and Apache CXF in enterprise environments. The FUSE distributions are tested, certified versions of these popular Apache projects and are backed by world-class support and services. Progress Software employs many of the key committers to these projects.



### SpringSource

Silver Sponsor + Exhibitor

SpringSource is the company behind Spring, the de facto standard in enterprise Java. SpringSource is a leading provider of enterprise Java infrastructure software, and delivers enterprise class software, support and services to help organizations utilize Spring and, through its acquisition of Covalent, manage infrastructure technologies from the Apache Software Foundation. Nearly half of the Global 2000, including many of the world's largest financial institutions, retailers, manufacturers, healthcare, technology and public sector clients are SpringSource customers. For more information visit: [www.springsource.com](http://www.springsource.com).



### Yahoo!

Silver Sponsor + Exhibitor

Yahoo! Inc. is a leading global Internet brand and one of the most trafficked Internet destinations worldwide. The Yahoo! Developer Network offers Web Services and APIs that make it easy for developers to build applications and mashups that integrate data sources in new ways, making the web a more useful and fun place for everyone. Yahoo! is headquartered in Sunnyvale, California.

## Additional Sponsors + Exhibitors



### BMC Software

Additional Sponsor + Community Partner

BMC Software, Inc., (NYSE: BMC) is one of the world's largest software vendors. We provide Business Service Management solutions primarily for large enterprises. Our extensive portfolio of software solutions spans enterprise systems, applications, databases, and IT process management.



### Cloudera

Additional Sponsor

Cloudera provides commercial support for Apache Hadoop clusters running in the cloud or on-site. Our team includes hadoop-core developers and founders responsible for some of the world's largest clusters. We're hiring. <http://www.cloudera.com>

# Sponsors

## Day

### Exhibitor

A leading provider of global content management and infrastructure software, Day Software is the initiator of the industry standards JSR 170 and JSR283, and is leading an industry expert group with members such as IBM, Oracle, Sun and HP. JSR 170 is the first industry standard for content repositories, enabling access of information regardless of the repository location. In 2005, Day donated its Java Content Repository (JCR) to the Apache Software Foundation, forming the Apache Jackrabbit project. Apache Jackrabbit is an attractive option for companies who want to move away from expensive, proprietary legacy repositories, looking for a cost efficient, standards-based alternative.



### HALO Worldwide

Additional Sponsor

HALO Worldwide is a consulting firm specializing in promotion, publicity, and brand integration programs that span strategic communications and positioning, brand planning and translation, public relations and outreach, and image management. HALO principals have gained a reputation for being among the most competent in the business, leveraging more than 30 years' combined out-of-the-box thinking, intuitive marketing, and media relations expertise to develop highly effective campaigns across a range of media resources. With a clientele that ranges from startups to blue chip organizations, we are passionate about managing reputations, driving brand awareness and recognition, and developing valued relationships with credibility and gravitas. [HALOWorldwide.com/](http://HALOWorldwide.com/)



### Hippo

Additional Sponsor + Exhibitor

Hippo develops the Apache licensed Hippo CMS and Hippo Portal application. Hippo is an avid believer of the Apache way of developing, and participates pro-actively in ASF Projects. Hippo's developers are stimulated to get involved in Apache in order to become committed in relevant projects, sharing knowledge with others in true Apache spirit. You can find code initiated by Hippo people in many projects, amongst others: Apache Cocoon, Apache Jetspeed and Apache Slide. Hippo is a member of the Java Community Process and its developers help define new Java specifications.

Hippo CMS is already widely used in the Netherlands and across Europe. With the acquisition of the assets of Blue Sunrise, another great company active in the Apache community, Hippo obtained a strong threshold into the USA. Hippo is now well on the way to become a household name in the US market space, and is rolling out vastly to set the global standard in open source content management and portal applications. For more information, visit the company website at <http://www.onchippo.com>. or get involved in the Hippo community at <http://www.hippocms.org>.



### Think Geek

Additional Sponsor

Think Geek.com is the top retailer for the techno-enthusiast market and sells everything from fun gadgetry and computer accessories to apparel, and it is the number one online destination for caffeinated products from soap to lollipops. Founded in 1999 to meet the gadget needs of the Open Source community. The thousands of programmers, engineers, students, and lovers of Open Source out there in the trenches as the internet was formed. The website now draws a wide cross section of visitors and appeals to the geek in everyone.



### WSO2

Exhibitor + Community Partner

WSO2 is an open source technology company building an integrated yet entirely modular SOA platform. Founded by pioneers in Web services and open source, WSO2 engineers contribute heavily to many key Apache Web services projects. In addition to building core components in Apache, WSO2 creates lightweight Web services middleware for your SOA deployments. With industry-leading performance, WSO2 products address service creation, connection, composition and governance. WSO2 also offers support, training and consultancy services that are designed to help customers throughout the entire life cycle of their SOA projects. From project inception to development to going into production, WSO2 is your ideal partner in ensuring 100% project success.



### Ant WebSystems

Media Partner

Ant WebSystems Co. Ltd (<http://www.antwebsystems.com>) is a software development company specialized in the customization and support of the Apache OFBiz ERP open source system. We are a Apache committer, have and still contribute many functions to the OFBiz core system. Examples are the 'project manager' and 'mypage' and many parts of other components. We operate from a low cost country, have European management with extensive experience both in the US and Europe in order to be able to deliver quality services for competitive rates.



### Feather Cast

Media Partner

Created in 2006 by Apache Software Foundation (ASF) Members/co-hosts Rich Bowen and David Reid, FeatherCast highlights the Foundation's various people, projects, and plans. The independently-run series of podcasts draws developers, users, Open Source enthusiasts, and general IT audiences to hear perspectives on activities relevant to the Apache Community. More than 40 leading voices have contributed their insight on popular topics such as ASF-incubated projects, ApacheCon, ActiveMQ, and Google's Summer of Code. With episodes added regularly, catch future FeatherCasts on new ASF Members, intellectual property issues, WS-, and more at [FeatherCast.org](http://FeatherCast.org) and via iTunes.

## Community & Media Partners

# Sponsors



## Linux Journal Media Partner

Linux Journal, first published in 1994, is the original publication of the global Linux community, delivering readers the advice and inspiration they need to get the most out of their Linux systems. With its award-winning Linux how-tos, tutorials, reviews, in-depth reporting, tips and tricks, and market analysis, Linux Journal has become well-known as the industry standard.



## Linux Pro Magazine Media Partner

In Linux Pro Magazine you'll find the tools, tutorials, reviews, and concrete technical discussions you'll need to unlock the secrets of Linux – and not just from the server side. Linux Pro delivers solutions for real users with Linux on real desktops.



## WSO2 Oxygen Tank Community Partner

WSO2's developer portal, the WSO2 Oxygen Tank, is a vast resource pool for open source Web services and SOA projects. Encouraging community build up and facilitating collaboration among users, developers and other enthusiasts, The Oxygen Tank is the ideal place to get your open source SOA deployments up and running. On the Project Home pages (<http://wso2.org/projects>) you will find technical information and artifacts related to the specific WSO2 projects released under the Apache Software Foundation License, while the Library section (<http://wso2.org/library>) comprises articles, tutorials, interviews, webinars, presentations, podcasts and white papers for everyone from beginner to advanced developers and users. Check it all out here <http://wso2.org>.



## Bug Labs Community Partner

Bug Labs makes BUG, a hardware/software platform enabling programmers to build any type of device they want, without having to solder, learn solid state electronics, or build a factory. The BUG consists of an open source programmable Linux computer called the BUGbase along with snap-on BUGmodules which represent specific gadget functions – a camera, a video output, an accelerometer, a thermal sensor, etc. Once the hardware is snapped together, users can create unique applications for their BUG or modify applications available on BUGnet, a community-driven development site that works directly with Bug Labs' SDK. <http://www.buglabs.net>.

## Methods & Tools

## Methods & Tools Media Partner

Methods & Tools is a free magazine providing practical knowledge for the software developer, tester and project manager.



Java  
Community  
Process

## JCP Community Partner

Since its introduction in 1998 as the open, inclusive process to develop and revise Java™ technology specifications, reference implementations, and technology compatibility kits, the Java Community Process (JCP) program has fostered the evolution of the Java platform in cooperation with the international Java developer community. The JCP has over 1000 company and individual participants; more than 300 Java technology specifications are in development in the JCP program out of which 45% are in final stages. For more information on the JCP program, please visit <http://jcp.org/>.

## What is the Fast Feather Track?

Open source software within the ASF often progresses in fits and spurts; periods of quiet and steady releases are punctuated by rapid technological change. Where is this new and exciting activity? It can be hard to spot such activity, and identify the new features and benefits of the code.

The Fast Feather Track is your ApacheCon answer to the shifting landscape, a place to learn what's new in the source, and what can be accomplished using it!

In the Fast Feather Track, you'll learn of some of the newest technologies embedded in well-established projects; you'll learn of the Apache Incubator's podlings currently being grown and nurtured into brand new ASF projects, and you'll learn about the Apache Labs where individual committers are cooking up tomorrow's potential projects.

Talks are being selected right up to the day before the conference starts, as new code is developed in the ASF's Hackathon on the dawn of the conference. With a program this dynamic, refer to the website and the sign boards at the registration table and Fast Feather Track program room for the up to the minute, full schedule of Fast Feather programming!

Wednesday in Napoleon AT

# Keynotes



Wednesday, Nov. 5th – 09:30am | **David Recordon**  
**Learning from Apache to Create Open Specifications**

Open source development has reached a stable and remarkable maturity. With services like SourceForge and Google Code for hosting projects, the Open Source Initiative to vet and curate Open Source licenses, and organizations like the FSF and Apache where like-minded developers can work together to build sustainable and open communities around Open Source projects, and the support of hundreds of thousands of developers and major corporations alike, the success of open source is firmly established.

Yet when we turn our attention away from open source and instead to specifications and standards for the open web, much of this infrastructure doesn't yet exist. Formal standards bodies may enforce interoperability, but they don't always guarantee that a standard is freely implementable by everyone or that the development community is open to all potential contributors. As software development is increasingly centered on protocols and formats instead of simply source code, many newer initiatives, like Microformats, OpenID, OAuth and OpenSocial, have had to each invest time and money reinventing the legal and organizational infrastructure required to ensure that the specifications they create are open and their communities are healthy and run in meritocratic fashions.

Isn't there a better way? What can we learn from the open source movement that will help us create open specifications for the web?

The newly created Open Web Foundation is tackling this exact question by borrowing heavily from the proven model established by the Apache Foundation. This talk discusses the Open Web Foundation's progress so far, our goals for the future, and how you can get involved.



Thursday, Nov. 6th – 11:30am | **Shahani Markus Weerawarana, Ph.D.**  
**Standing on the Shoulders of Giants**

In 1675, in a letter to Robert Hooke, the British mathematician and physicist, Isaac Newton, famously said,

"If I have seen farther than others, it is because I was standing on the shoulders of giants."

Today, the spirit of open source has reached across all nations, fueling innovation, making a difference in ways never before thought possible.

Living and working in the small island nation of Sri Lanka, I have been immensely fortunate to have also been drawn in by the magnetic force of open source. I have witnessed the birth of a new global community rising above the depths of despair after a devastating tsunami, I have seen the realization of ambitious dreams and I have experienced the benefits of readily available cutting-edge technology.

All this has been possible because of the "giants" in the world of open source. These giants are the people from around the world who have come together with their hearts, minds and hands - they are the people in the global open source communities. These giants are the people who have responsibly worked together with a great sense of transparent collaboration resulting in projects that have brought forth enormous benefits to the entire world.

This is a collection of real-life stories and first-hand accounts that highlight the significant impact, panoramic change and compelling innovation that these "giants" of the open source world have possibly unknowingly unleashed.



Thursday, Nov. 7th – 11:30am | **Sam Ramji**  
**struct.new("future"; :open; :microsoft)**

Sam Ramji is the Senior Director of Platform Strategy leading Microsoft's platform strategy efforts across the company, including long-term strategic planning in the Windows Server and Tools organization. Sam's primary focus is to drive Microsoft's Linux and Open Source Strategy, working together with Microsoft technology development teams and open source communities to build interoperable solutions.

Prior to his current role at Microsoft, Sam was a Director of Emerging Business working on the Silicon Valley Campus where he managed relationships with Venture Capitalists and entrepreneurs. Prior to joining Microsoft, Sam led technical product strategy at BEA Systems, engineering teams building large-scale applications on Open Source software (at Ofoto.com) as well as hands-on development of client, client-server, and distributed applications on Unix, Windows, and Macintosh at prior companies.

Sam holds a Bachelor of Science degree in Cognitive Science from the University of California at San Diego, and is a member of the Institute for Generative Leadership.



# GET HIPPO TIZED

The Hippo ECM stack gives you all the tools you need to develop large scale content driven web sites, portals and intranets. Based on the Apache Java stack\*, and available under the Apache

Software License, it gives you all the freedom you need. And if you or your customer needs any help, call Hippo. We'll support you.

\* Jackrabbit - Wicket - Jetspeed - Cocoon - Lucene - MyFaces - Tomcat



**HIPPO**

SALES@ONEHIPPO.COM [WWW.ONEHIPPO.ORG](http://WWW.ONEHIPPO.ORG)

EUROPE • AMSTERDAM HIPPO B.V. • OOSTEINDE 11 • NL-1017 WT AMSTERDAM • +31 20 522 4466

USA • SAN FRANCISCO HIPPO USA INC. • 101 H STREET, SUITE Q • PETALUMA CA 94952 • +1 877 414 4776

# Sessions

Wednesday | November 5

09:00-09:30 | Opening Plenary

## Open Plenary & State of the Feather

Shane Curcuro and Jim Jagielski

9:30-10:20 | Keynote

## Learning from Apache to Create Open Specifications

David Recordon (Open Web Foundation)

Open source development has reached a stable and remarkable maturity. With services like SourceForge and Google Code for hosting projects, the Open Source Initiative to vet and curate Open Source licenses, and organizations like the FSF and Apache where like-minded developers can work together to build sustainable and open communities around Open Source projects, and the support of hundreds of thousands of developers and major corporations alike, the success of open source is firmly established.

Yet when we turn our attention away from open source and instead to specifications and standards for the open web, much of this infrastructure doesn't yet exist. Formal standards bodies may enforce interoperability, but they don't always guarantee that a standard is freely implementable by everyone or that the development community is open to all potential contributors. As software development is increasingly centered on protocols and formats instead of simply source code, many newer initiatives, like Microformats, OpenID, OAuth and OpenSocial, have had to each invest time and money reinventing the legal and organizational infrastructure required to ensure that the specifications they create are open and their communities are healthy and run in meritocratic fashions.

Isn't there a better way? What can we learn from the open source movement that will help us create open specifications for the web?

The newly created Open Web Foundation is tackling this exact question by borrowing heavily from the proven model established by the Apache Foundation. This talk discusses the Open Web Foundation's progress so far, our goals for the future, and how you can get involved.

10:30-11:20 | System Administration

## Scaling Apache 2.x in all dimensions

Colm MacCarthaigh

Using the right tricks, the Apache httpd server is capable of astounding performance; handling tens of thousands of concurrent downloads, ultra-responsive and ultra-fast web-serving and clever caching of dynamic requests. This session will cover benchmarking and tuning of Apache httpd for static and dynamic content, optimising for SSL and using routing protocols as cost-effective load-balancers.

10:30-11:20 | Business of Open Source

## The Business of Open Source – Power, Prestige, and Propulsion

Sally Khudairi

Featuring:

Mike Bates — CEO, Hotwax Media

Phil Robb — R&D Section Manager, Hewlett-Packard

Mark Brewer — Senior Vice President and GM of Enterprise

Delivery, SpringSource

Debbie Moynihan — Director, FUSE Community - Progress

Software

The ApacheCon Business Track addresses key business, marketing and legal/licensing issues in Open Source. A panel of influencers will address key topics in The Business of Open Source that include: Prestige Users – implementation opportunities, deployment challenges, and best practices; Propulsion Providers – business (regeneration, product development, and fulfillment); and Power Players – market shapers, money makers, and business model-shakers. Moderator Sally Khudairi will create a lively, interactive dialogue by including questions and comments from the audience throughout the 50-minute session.

10:30-11:20 | Developer

## Advanced Indexing Techniques with Apache Lucene

Michael Busch

In this presentation we will talk about advanced indexing and search techniques using the Payloads feature and interesting use cases such as efficient numeric search, faceted search, term occurrence boosting, part-of-speech tagging etc. The Lucene developers are also working

on Flexible Indexing, that will make Lucene even more powerful and versatile, and this session will present the current state of this new feature.

10:30-11:20 | Developer/Java Frameworks

## Jetspeed-2 Enterprise Portal: development status and road map

Ate Douma

Jetspeed-2 is a highly customizable and extendable Enterprise scale Portal which is as easy to use for lightweight portlet development, out-of-the-box portal setup or as framework for creating your own custom portal. The development of the Jetspeed-2 Portal is a very existing and thriving community process facing continued demand for improvements, new features and integration enhancements. In this presentation by core Jetspeed-2 developers you'll get first hand, detailed information about the current status and short term road map of new features like: Pluto 2.0 integration and JSR-286 support, a new JPA persistence store, Jetspeed "light", JCR and content repository integration, federated security and communities support, collaboration portlets, IDE integration, Wicket based administration, layout management and customization, etc.

11:30-12:20 | System Administration

## Building scalable web applications and clusters

Brian Moon

In the last 10 years, dealnews.com has grown from a single shared hosting account to an entire rack of equipment. Luckily, we started using the LAMP stack very early in the company's history. I will discuss the traps, bottlenecks, and even some big wins we have encountered along the way using LAMP. From the small scale to using custom proxies running on Apache with worker and mod\_php. We have done many interesting things to give our readers (and our content team) a good experience when using our web site.

11:30-12:20 | Business of Open Source

## Adoption-Led – a rather obvious way of talking about open source

Simon Phipps

Open Source will form the root of 70% of commercial software by 2012 according to Gartner. Software developed at Apache will form a huge slice of that. The open source origins of business software mean that software is being driven into business use through the procurement process by vendors less and less. Instead, it is being adopted from the open source community. If we change the way we talk about software entering businesses we can also change a great deal of how others understand what is happening as well as understand open source business models more easily. This talk explores the adoption-led trend and paradigm and considers its consequences for the Open Source software movement and for the businesses engaging with it.

11:30-12:20 | Developer

## Lucene/Solr Case Studies Developer Novice

Erik Hatcher

Lucene and Solr are great tools to have in a developer toolbox. Erik has built several applications using Lucene from his own personal blogging system to faceted library navigation system handling millions of records. In this talk Erik will describe these applications, what made their use of Lucene and other technologies unique and interesting, and where these applications are going. The applications discussed: blogscene, lucenebook.com, Rossetti Archive search engine, Collex, Blacklight, and others newly arriving on the scene. These applications use a variety of other technologies, though all use Lucene, some also using Solr.

Orientation:

B

Business

T

Technical

D

Developer

Difficulty:

O

Overview

N

Novice

E

Experienced

9

# Sessions

Wednesday | November 5

11:30-12:20 | Developer/Java Frameworks

## Using Portlet API 2.0 (JSR-286)

Ate Douma

**D E**

Now that the Portlet API 2.0 finally is available, what are the benefits and new features for Portlet and Portlet Developers, and how to use of them? This session by one of the JSR-286 JCP Expert Group Members will provide an overview of the most important improvements and new features. Sample code, detailed explanation and live demonstrations of portlet coordination, events, filters, resource serving, etc. using Apache Pluto 2.0, the JSR-286 reference implementation! Questions and discussions are welcome throughout the presentation.

11:30-12:20 | OFBiz Symposium

## I selected OFBiz for my company, how do I start?

Hans Bakker

Many, medium to most smaller companies are asking us this question what is next? An outline will be given to answer this question, from information gathering until a project plan, the implementation and the introduction into the organization. Part of the presentation will show you how to use OFBiz to support this activity.

12:45-13:30 | Lunch with .....

## Apache 101: Sponsoring The ASF at the Corporate and Individual Level

Jim Jagielski

As an independent, non-profit organization, The Apache Software Foundation (ASF) does not receive government funding. We rely each year on the generous support from corporations, foundations, and private individuals to help offset day-to-day operating expenses such as bandwidth and connectivity, servers and hardware, legal and accounting services, marketing and public relations, general office expenditures, and support staff. Through the ASF Sponsorship Program, we can bolster continued growth across the ASF's 63 Top-Level Projects, 33 podlings in the Apache Incubator, 22 initiatives in Apache Labs, community relations activities, and more. This session will provide participants with an overview of the ASF Sponsorship Program, the best methods for an organization or individual to support The ASF, and how you can get involved by giving back to one of the most compelling communities in Open Source.

14:00-14:50 | System Administration

## Top 10 Scalability Mistakes

John Coggeshall

**D E**

After ten years of doing web development you learn a few things about how not to build scalable web sites, development teams, heck, even entire companies. Learn from experience what you can do to avoid the most common pitfalls in building a scalable technology business.

14:00-14:50 | Business of Open Source

## What does enterprise-ready open source really mean?

Paul Holland

**B N**

As the hype cycle for open source calms and enterprises realize the benefits of open source, many companies are defining their open source strategies and how to take advantage of this opportunity. Come find out what large enterprise(s) have learned through implementing open source for themselves and for their customers: the business opportunities, things to expect, things to avoid, and things to watch out for.

14:00-14:50 | Developer

## Apache Solr: Out of the Box

Chris Hostetter

**T N**

Apache Solr is an HTTP based enterprise search server built on top of the Lucene Java search library. In this session we will see how quick and easy it can be to install and configure Solr to provide full-text searching of structured data without needing to write any custom code. We will demonstrate various built-in features such as: loading data from CSV files, tolerant parsing of user input, faceted searching, highlighting matched text in results, and retrieving search results in a variety of formats (XML, JSON, etc.) We will also look at using Solr's Administrative interface to understand how different text analysis

configuration options affect our results, and why various results score the way they do against different searches. No previous Solr experience is expected.

14:00-14:50 | Developer/Java Frameworks

## Rapid JCR applications development with Sling

Bertrand Delacretaz

**D E**

Sling is an OSGi-based scriptable applications layer, based on REST principles, that runs on top of a JCR content repository. In this talk, we'll see how Sling enables rapid development of JCR-based content applications, by leveraging the JSR 223 scripting framework along with the rich set of OSGi components provided by Sling. We will create a simple application from scratch in a few minutes, and explain a more complex multimedia application that does a lot with few lines of code. This talk will help you get started with Sling and understand how the different components fit together.

14:00-14:50 | OFBiz Symposium

## Enough Rope to Shoot Yourself in the Foot: Using a Holistic Analysis and Design Approach to Avoid Hanging Your Open Source Based Application Project

David E. Jones

There are excellent open source code bases available for every sort of application infrastructure and even ready to use enterprise automation components. These commodity software elements give developers more flexibility and efficiency than has ever been possible before. Business and personal objectives can be automated with so much ease that efforts more and more tend to succeed or fail in spectacular ways. Most projects succeed or fail before development begins, or because of factors that have little to do with development, even though they are usually not recognized until late in the development process where the rubber really hits the road. With so much power and so much variability some understanding of good analysis, design and development practices and common missteps is invaluable.

This presentation will cover recommended artifacts and processes to facilitate communication and groups efforts and move from gathering and formalizing general concepts and ideas all the way through implementation and testing using a business process focused approach. The approach presented is a complete process and set of artifacts that ties together many common tools in a consistent and easy to follow way, even for large groups. The artifacts include common tools such as use cases and stories that are often misapplied or used ineffectively because of a lack of definition and understanding of what those artifacts are for and how they will be used. We will also discuss how certain artifacts and steps can be skipped for efforts with fewer requirements and fewer people, with a focus on the ones that make the biggest difference. This presentation will include discussion of the transition from design to implementation in terms of the Apache Open For Business Project, but all analysis and design artifacts discussed outside of implementation are applicable to any technology or set of systems.

15:00-15:50 | System Administration

## Performance: The Art and Science of Tuning a Large Perl Application

Geoffrey Young

**D E**

Like most large websites, ticketmaster.com contains a lot of code, spread across proxies, cache systems, databases, black boxes, etc. At the heart of it all more than 400,000 lines of custom Perl code spread across more than 1500perl modules. Keeping that much code optimized for performance is no easy task - all code has bottlenecks, but the trick is figuring out where they (really) are. Premature optimization is the root of all evil... the ability to accurately determine what is premature separates great developers from merely capable ones. This session will introduce basic code profiling concepts and the Perl tools that savvy developers use every day, enabling them to properly identify optimization opportunities in their code. From there, we will advance into the profiling techniques used to tune ticketmaster.com, which you will be able to apply to your own Perl-based applications. In all, you will leave with the knowledge you need to bring your Perl coding skills to the next level.

Orientation:

**B**

Business

**T**

Technical

**D**

Developer

Difficulty:

**O**

Overview

**N**

Novice

**E**

Experienced

# Sessions

Wednesday | November 5

15:00-15:50 | Business of Open Source

## Sailing Corporate Waters – Apache as Market Disruptor

Dirk-Williem van Gulik

B N

Over the past years Apache has established itself as a watering hole where large corporate interests and developers come to meet, fight, feed and mate. However, healthy ecosystems do not develop by themselves – and over the years Apache has learned how to be a game warden – while desparately pretending to be just a bunch of naive engineers. Is all of this by design – and are we actively preparing and guiding communities or are we actively avoiding impeding doom for our children? This talk will visit the roles of the participants in the ecosystem, from companies, individual developers to the groupies; both from within as, often more important, well as in the public perception; and from the angle of our various users.

15:00-15:50 | Developer

## Introducing Mahout: Apache Machine Learning

Grant Ingersoll

D E

With the massive rise in both structured and unstructured data comes the need to better understand what is in the data. Machine Learning algorithms are often designed to make sense of large volumes of data with minimal human input. In this talk, we cover some of the basic algorithms of machine learning (without all the gory math) and show how the new Apache Mahout project is attempting to solve these problems in a scalable way by utilizing Hadoop.

15:00-15:50 | Developer/Java Frameworks

## The Struts 2 Framework Developer Experienced

Scott Stanlick

D E

You come to work on Monday morning to learn that your company is adopting this new version of Struts. At first you are excited to learn a modern web framework but you have also heard it is quite different from Struts Classic. What does this mean for your career? What if you are no longer the person everyone calls the Struts guru? How do you quickly become the Struts 2 expert you know you can be? Luckily, you have already taken the first step by attending ApacheCon! With Struts being the most popular Java web framework in the industry today, IT shops are excited to hit the ground running with this next generation web framework. This session will provide a primer for Struts Classic developers needing a Struts 2 head start. We will compare and contrast Struts 2 to its predecessor and highlight the areas where Struts 2 breaks away from the past and blazes new trails into Ajax, validations, plug-in architecture and the interceptor architecture that allow nearly infinite flexibility. This session will transition your expert status to the new Struts before anyone realizes your confidence was ever shaken! A complete reference application will be made available to the participant in order to become effective in minutes not days.

15:00-15:50 | OFBiz Symposium

## Experiences with Real World OFBiz Projects

Olivier Heintz

OFBiz project is for all types of companies, from very large company head-office with multiple subsidiary, 40,000 employee, a MIT department to SME with 50 employees and no dedicated people for MIT. This presentation will describe one project for each extreme.

The large company project has started in November 2007 in the headquarters and in January 2008 in a subsidiary, currently some sub-projects are still active. In this organization, head office solutions are not mandatory for the subsidiary, they can choose their MIT solution and how to deploy and how to be supported. This project is driven by eCommerce, but the warehouse management project was a large one too (6 month, 4 full time). Company has build a internal community around all subprojects continue to be driven by the business on a bottom to top approach. Each new sub-project which starts demonstrates the relevance of the solution.

The SME project is a ERP migration from a standard solution (BaaN) to a more free-software solution. OFBiz has been deployed with a OOTB extension, Order, Facility, Manufacturing, Accounting have been implemented in 7 month (January to July 2006). Consulting was for training, parameters assistance, usage definition assistance, data migration and some development too but only few days (less than 30d) and all development have been reversed to the community to be sure

to have at the end of the project a standard solution. From the go day with OFBiz, company continue to increase number of functionalities they use as they need it.

16:30-17:20 | System Administration

## Apache Projects on DTrace Developer Experienced

Theo Schlossnagle

D E

Many Apache projects are focused on performance. Performance and scalability are often primary considerations when choosing Apache projects for deployment. The web stack is deep and complicated and sometimes performance issues can evade even the most tenacious. In this talk we'll take a holistic approach to analyzing performance problems in production environments by using DTrace to look at problems as systemic problems.

16:30-17:20 | Business of Open Source

## Making Sense of Open Source Licenses

J Aaron Farr

B N

Are all open source licenses equal? Why are there so many? How are they different? Which should I choose? If you've ever asked these questions, don't worry. You're in good company. License proliferation, or the increasing number of free and open source licenses in use, has many managers and developers alike confused. In this session, we'll review the most common open source licenses in a simple way that will help you make sense of them. So the next time someone asks you about the difference between the GPL, LGPL, and MPL, you'll know just what to say.

16:30-17:20 | Developer

## Apache Solr: Beyond the Box

Chris Hostetter

D E

Apache Solr is an HTTP based enterprise search server built on top of the Lucene Java search library. In this session we will look at Solr's internal Java APIs and discuss how to write various types of plugins for customizing it's behavior — as well as some real world examples of When and Why it makes sense to do so.

16:30-17:20 | Developer/Java Frameworks

## Enterprise Applications with JavaServer Faces, Spring, and JPA

Kito Mann

D E

For developers who are currently using Spring and JavaServer Faces together, this session explains how to handle common application development concerns such as conversational scope, transaction management, and application partitioning. Specific tools such as Apache MyFaces Orchestra and Spring WebFlow will be discussed. At the end of this session, developers will understand how to build a full-stack JavaServer Faces/Spring/JPA application with features similar to those of JBoss Seam.

16:30-17:20 | OFBiz Symposium

## Building a Service Business on an Open Source Foundation

Mike Bates

Mike will discuss the experience of building a services business around Apache Open for Business, sharing tactics that have been successful as well as pitfalls to be avoided. In a presentation that is less technical and more oriented toward business people, topics will include selecting the type(s) of projects to target, supporting appropriate internal groups and processes, getting the word out, negotiating contracts and ownership, making the sale, and the importance of community participation. When done correctly, it is clearly possible to grow a profitable business that is focused around implementation and support of open source software. The more organizations that are able to do this successfully with OFBiz, the larger the market space that will be created, and ultimately the more possibilities there will be for any organization interested in implementing OFBiz for its clients.

# Sessions

Wednesday | November 5

17:30-18:20 | System Administration

**D E**

## Advanced Reverse Proxy Load Balancing in Apache HTTP Server 2.2

Jim Jagielski

One of the main new features in Apache 2.2 is the enhancement of the proxy module, allowing Apache to proxy not only HTTP as before, but also AJP. Coupled with the dynamic load balancing capability also new in 2.2, see why Apache is now an even more capable reverse proxy, and see why mod\_jk may no longer be required. Included are helpful real-world hints in configuration for high-availability failover environments.

17:30-18:20 | Business of Open Source

**D N**

## Tales from the field: Impressions from 5 years of studying Apache(con)

Kevin Crowston

In this talk, members of the Syracuse research team (pith helmet crew) will present reflections on findings from 5 years of studying the Apache way.

17:30-18:20 | Developer

**D E**

## Content analysis for ECM with Apache Tika

Paolo Mottadelli

Apache Tika is an extensible content analysis toolkit designed for detecting and extracting metadata and structured text content from a large number of document formats. It represents an higher level layer over existing parser libraries. World-class content management systems, and most of all enterprise document management focused ones, always have to face the challenge of detecting, extracting and indexing as more various media content types as possible. This session provides a technical presentation on how you can integrate Tika inside an Enterprise Document Management System, in order to centralize media type detection implementation and leverage dedicated parsers behind

a common extraction layer. Participants will also learn how Tika is integrated with Lucene in order to provide high performance document indexing and searching features. As a real life demonstration, the most recent supported media types, Office Open XML (OOXML), will be detected, extracted and indexed.

17:30-18:20 | Developer/Java Frameworks

## Wicket In Action

Martijn Dashorst

Apache Wicket is a component oriented Java web application framework that brings back object oriented programming to the Web. With just HTML and Java, Wicket gives designers and programmers a tool they can work together in. In this session you'll be introduced to Wicket's programming model, and we'll quickly go from simple components, form processing and providing feedback to integrating with Spring and Guice, securing, testing and deploying your application. A lot of ground to cover but the best way to learn everything you wanted to know about Wicket.

17:30-18:20 | OFBiz Symposium

## ERP trends, OFBiz position and India Outsourcing

Amit Shinde

Apache OFBiz is a unique Open Source ERP offering and provides a compelling alternative to commercial ERP solutions. We will review current ERP trends and how Open Source projects are being adopted by companies. We will review what makes OFBiz a formidable solution. We will also review India's macro role in outsourcing.

Topics Covered: ERP market overview, key players and trends moving forward; Open source adoption trends by companies and its economic impact; Review of best of open source solutions and what makes Apache OFBiz a formidable and compelling solution; India's macro role in outsourcing; OFBiz offshoring to India and OFBiz adoption trends in India.

# FUSE

## Open Source SOA

- SUPPORT, TRAINING AND CONSULTING

**FUSE** ESB – based on Apache ServiceMix

**FUSE** Message Broker – based on Apache ActiveMQ

**FUSE** Services Framework – based on Apache CXF

**FUSE** Mediation Router – based on Apache Camel

Proud to be an  
ApacheCon Sponsor

[www.fusesource.com](http://www.fusesource.com)

**FUSE**  
[www.fusesource.com](http://www.fusesource.com)

Supported by **PROGRESS**  
SOFTWARE

# Sessions

Thursday | November 6

09:00-09:50 | SysAdmin: Security

T E

## Hardening Enterprise Apache Installations Against Attacks

Sander Lemme

Enterprise installations of Apache are particularly attractive targets for malicious attacks including Denial of Service, defacement, theft of data or service and installation of zombies or viruses. Hardening your deployment against such attacks calls for some special techniques and tactics. Come to this session to learn about attack detection techniques, server protection, secure deployment of multiple servers, configuration of firewall demilitarized zones and judicious use of SSL encryption. How do you deploy an off-the-shelf application that insists on writing to the file system? And what steps do you take to securely deploy Apache on Windows or UNIX? This presentation will explore solutions to these very real situations.

09:00-09:50 | Business/Community: Community Studies

B N

## Open Source Collaboration Tools are Good For You!

Bertrand Delacretaz

What are the core requirements for a set of team collaboration tools? Looking at how ASF project communities collaborate online, we have identified four core drivers that help these projects succeed. We will show how the collaboration tools used by the ASF can allow any project team to move from an ask around the office collaboration model to our efficient distributed self service information model, while focusing on those core drivers to avoid being distracted by the tools themselves. Our analysis will help you estimate the effort and expected benefits of such a move.

09:00-09:50 | Developer: Tools & Builds

D E

## More Apache Maven Best Practices

Brett Porter

Apache Maven is a powerful and extensible tool for managing software build and project information. When used effectively, it can greatly simplify a project's build, reduce maintenance, improve automation and make producing consistent releases simple. However, it is also easy to encounter common pit falls that lead to unwieldy or problematic Maven set-ups. This presentation will focus on identifying the best practices when using Maven and it's related technologies, and the pitfalls to avoid. It covers new topics such as integration testing, plugin development, documentation and reporting structure, and archetype creation along with an overview of the essential best practices for any Maven build.

09:00-09:50 | Developer: Hadoop & Databases

T N

## Introduction to Hadoop

Owen O'Malley

Hadoop is an Apache project that provides a framework for running applications on large clusters of commodity hardware. The Hadoop framework transparently provides applications both reliability and data motion. Hadoop implements a distributed file system, similar to GFS, and MapReduce. This presentation presents the motivation and approach for Hadoop, an overview of the components and architecture, and an overview of the tools and applications built on top of Hadoop.

09:00-09:50 | OFBiz

## Intuitive interfaces for complex e-commerce (Web 2.0 UIs for dynamic products with complex sub-assemblies)

Ean Schuessler

A lot of e-commerce systems will let you put the item in the basket but OFBiz takes things to a whole new level. A single product may drive thousands of top level SKUs that feed into hundreds of thousands of sub-assembly configurations. Prices can be based on a complex bill of materials plan, feed stock costs and service hour rates. This has huge potential for users. Instead of wading through pages of SKU and option codes the user can click and drag their way to a finished order. For the developer, however, presenting these options and managing the user experience is a daunting task. In this talk we will cover the powerful product configuration capabilities in the OFBiz e-commerce infrastructure and demonstrate strategies for feeding those options into intuitive interfaces. A familiarity with OFBiz product entities and a tolerance for Google Web Toolkit based RPC is strongly recommended. Aspirin provided.

10:00-10:50 | SysAdmin: Security

T N

## Web Intrusion Detection with ModSecurity

Ivan Ristic

Intrusion detection is a well-known network security technique — it introduces monitoring and correlation devices to networks, enabling administrators to monitor events and detect attacks and anomalies in real-time. Web intrusion detection does the same but it works on the HTTP level, making it suitable to deal with security issues in web applications. This session will start with an overview of web intrusion detection and web application firewalls, discussing where they belong in the overall protection strategy. The second part of the talk will discuss ModSecurity and its capabilities. ModSecurity is an open source web application firewall that can be deployed either embedded (in the Apache HTTP server) or as a network gateway (as part of a reverse proxy deployment). Now in it's fifth year of development, ModSecurity is mature, robust and flexible. Due to its popularity and wide usage it is now positioned as a de-facto standard in the web intrusion detection space.

10:00-10:50 | Business/Community: Community Studies

T N

## Great Code comes from Great Community: Meritocracy in Action

Chris J. Davis

This presentation covers leveraging the meritocracy model to foster community participation in open source and free software. We will take a look at the dynamic community that can be built around a project or idea, and how this inclusive model can accelerate development, draw, and most importantly, keep quality people.

10:00-10:50 | Developer: Tools & Builds

D E

## Q4E and Eclipse IAM, Maven integration for Eclipse

Carlos Sanchez

Q for Eclipse, now Eclipse IAM (Eclipse Integration for Apache Maven), is a new Open Source project that integrates Apache Maven and the Eclipse IDE for faster, more agile, and more productive development. The plugin allows you to run Maven from the IDE, import existing Maven projects without intermediate steps, create new projects using Maven archetypes, synchronize dependency management, search artifact repositories for dependencies that are automatically downloaded, view a graph of dependencies and more! Join us to discover how to take advantage of all these features, as well as how they can help you to improve your development process.

10:00-10:50 | Developer: Hadoop & Databases

D E

## A Tour of Apache Hadoop

Tom White

Apache Hadoop is a rapidly growing project for building distributed data-processing systems. This talk will explain the rationale and use cases for a number of Hadoop components — including the distributed file system, MapReduce, and HBase (which provides Bigtable-like structured storage) — along with an example for each. The emphasis will be on how the components relate to each other, and how they can be used together to build highly-scalable applications.

10:00-10:50 | OFBiz

## Building OFBiz Infrastructures

Matthew Porter & Craig McElroy

11:30-12:20 | KEYNOTE

## Keynote: Standing on the Shoulders of Giants

Shahani Markus Weerawarana, Ph.D.

In 1675, in a letter to Robert Hooke, the British mathematician and physicist, Isaac Newton, famously said,

"If I have seen farther than others, it is because I was standing on the shoulders of giants."

Today, the spirit of open source has reached across all nations, fueling innovation, making a difference in ways never before thought possible.

Living and working in the small island nation of Sri Lanka, I have been immensely fortunate to have also been drawn in by the magnetic force of open source. I have witnessed the birth of a new

Orientation:

B

Business

T

Technical

D

Developer

Difficulty:

O

Overview

N

Novice

E

Experienced

# Sessions

Thursday | November 6

global community rising above the depths of despair after a devastating tsunami, I have seen the realization of ambitious dreams and I have experienced the benefits of readily available cutting-edge technology.

All this has been possible because of the "giants" in the world of open source. These giants are the people from around the world who have come together with their hearts, minds and hands - they are the people in the global open source communities. These giants are the people who have responsibly worked together with a great sense of transparent collaboration resulting in projects that have brought forth enormous benefits to the entire world.

This is a collection of real-life stories and first-hand accounts that highlight the significant impact, panoramic change and compelling innovation that these "giants" of the open source world have possibly unknowingly unleashed.

12:45-13:30 | Lunch with . . . . .

## Apache 101: Behind the Scenes of the ASF | Sponsored by HotWax Media

Lars Eilebrecht

This presentation will give you everything you always wanted to know about the Apache Software Foundation (ASF), but were afraid to ask. It will show you that there is more than just the Apache web server, and provide you with information on how the ASF works. The difference between membership and committership, who decides what, how elections take place, the technical infrastructure, project management committees, and the philosophy behind the incubator. Come and see behind the scenes of the Apache Software Foundation and its many projects.

14:00-14:50 | SysAdmin: Security

## (In)secure Ajax and Web 2.0 Web Sites

Christian Wenz

Web 2.0 took the internet world by storm. Especially attackers welcome the new possibilities created by Ajax, the increased use of JavaScript, opening up applications via web services, and user generated content. This session shows common pitfalls with modern Web 2.0 applications and help you to avoid becoming the next victim on the ever-growing list. Web security has not changed that much, but web applications have. Ajax introduced new and dangerous attacks, and it is vital to know appropriate countermeasures. Come to this (technology-agnostic) session to learn best practices for state-of-the-art websites.

14:00-14:50 | Business/Community: Community Studies

## Guide to Successful Graduation at the ASF

Martijn Dashorst

Many projects aspire to join the Apache Software Foundation and are anxious to take the plunge. The ASF has instituted a special project for guiding and mentoring aspiring projects to become a successful project under the Apache umbrella: the Incubator. Any new project needs to go through the Incubator before it can be established as an Apache project. Many projects have passed through the Incubator and some got stranded there. Learn what makes a project successful and what makes a project fail. You will learn from real projects that successfully graduated or failed for various reasons. Learn how to enter the Incubator, foster your project under guidance of the Incubator's mentors, how graduation works and what comes next.

14:00-14:50 | Developer: Tools & Builds

## Apache Felix – A Standard Plugin Model for Apache

Carsten Ziegeler

OSGi technology is becoming the preferred approach for creating highly modular and dynamically extensible applications. The Eclipse IDE was the first highly visible project to adopt OSGi technology a few years ago, but more and more projects are moving in the same direction (e.g., Spring, JOnAS) or considering it (e.g., Directory, Geronimo, JAMES, Jackrabbit). With Apache Felix readily available, there is no better time to start moving to OSGi technology. This talk will provide a status update on the Apache Felix project and will show in detail how to launch and embed the Apache Felix framework into your own projects and the issues around doing so. By attending this talk, you will receive enough information to immediately start using

Apache Felix as a dynamically extensible plugin mechanism in your own applications, additionally providing them the benefits of module version management, dependency resolution, and life cycle control.

14:00-14:50 | Developer: Hadoop & Databases

## Programming Hadoop Map-Reduce

Arun Murthy

Apache Hadoop is a software framework for running applications on large clusters built of commodity hardware. Hadoop provides a distributed file-system and a parallel processing framework based on the Map-Reduce programming paradigm. Hadoop Map-Reduce is framework which simplifies writing efficient data-intensive (100's of terabytes) applications running on large clusters (1 to 1000's of computers). This talk will describe how to use Hadoop Map/Reduce to write (and debug!) efficient scalable applications that can process large amounts of data. It will include discussions of the Java, C++, and Unix text filter interfaces to Hadoop Map/Reduce. It will also present a brief discussion on how to use Hadoop Map-Reduce via a simple query language called Pig (<http://incubator.apache.org/pig/>).

14:00-14:50 | OFBiz

## Automating your OFBiz Application Testing using Selenium

Brett Palmer

JUnit tests are an excellent tool for testing low level functionality in your application but at the end of the day your user interface (UI) has to work. UI testing has become even more complex with the introduction of AJAX based applications which often means you have to test the application manually. Thankfully there is a new tool for testing web based applications called Selenium. Selenium is not another browser emulator but instead runs inside the browser. This allows you to get real feedback on what your customers will see when they use your application. Selenium supports Internet Explorer, Mozilla, Firefox, and Safari browsers.

Topics Covered: Using Selenium IDE to record your test scripts; Creating data driven tests using Selenium XML (a Selenium RC extension); Automating your Selenium tests; Scaling your testing with Selenium Grid; Strategies for unit, application, system, and performance testing your OFBiz applications.

15:00-15:50 | Business/Community: Community Studies

## Turn Off The Lights Before You Go: Graceful Shutdown of OS Projects

Bjorn Townsend

Almost every project has users who depend on it, even if that project is reaching the end of its development lifecycle. We owe it to that user base to give every open source project a graceful sendoff. Incorporating lessons learned from the retirement of Apache Axis 1.x and the transition of its user base to Apache Axis2, this talk will discuss best practices and anti-patterns for retiring an open source project, including tips on how to ease the pain of legacy users as well as how to migrate your users to a new or replacement technology.

15:00-15:50 | SysAdmin: Security

## Browser Exploits – Attacks and Defense

Saumil Shah

This presentation begins with an examination of the fundamental architecture of a browser and its components to get a proper understanding of the full attack surface. The focus then moves to key concepts that are leveraged in practical exploitation of browsers. A few examples of popular browser exploits and an example 0-day exploit shall be demonstrated. The talk also goes to show how the next generation of Javascript delivered exploits render current defense mechanisms useless. Antivirus programs and malware scanners are already being proved ineffective and cannot continue to identify and stop browser exploits in the future. The talk then moves on to new proposed defense mechanisms that attack the very principles that browser exploits depend on. We shall now introduce and demonstrate a few tools built on these defense principles and apply them against the exploits demonstrated. The talk shall then end with questions from the audience and some thoughts on how these tools can be further extended.

Orientation:

**B**  
Business

**T**  
Technical

**D**  
Developer

Difficulty:

**O**  
Overview

**N**  
Novice

**E**  
Experienced

# Sessions

Thursday | November 6

15:00-15:50 | Developer: Tools & Builds

T E

## Felix goes to Tuscany: applying OSGi modularity after the fact

Luciano Resende

Tuscany is an Apache Incubator project providing support for building SOA-based application networks. It is based on the Service Component Architecture specifications being defined by the OASIS Open SCA Collaboration. Felix is an Apache project providing an implementation of the Java modularity and service technology defined by the OSGi Alliance. Tuscany was built with a modular architecture, using a different approach from that of OSGi. In 2007 an effort was started to integrate Tuscany with OSGi. As part of this we undertook an investigation into how to apply OSGi modularity to the Tuscany runtime to enable its execution within an OSGi Framework. This involved analyzing the existing Tuscany modularity which turned up lots of interesting information about the linkages between various sub-components. This understanding was then used to determine how to map Tuscany into a suitable form for use as OSGi bundles, including prototyping various levels of decomposition granularity. This presentation will share the experiences of analyzing and modularizing an existing project using OSGi. It will discuss what to expect when approaching modularizing existing projects, the tools for aiding analysis and best practices for applying OSGi modularity.

15:00-15:50 | Developer: Hadoop & Databases

D N

## Don't know Jack about Object Relational Mapping?

Craig L. Russell

You don't know Jack about Object Relational Mapping. So why are you considering using it? Keeping up with the Joneses? There's a great community or two out there, and who doesn't need another community? It can cure cancer and leprosy, but you don't have cancer or leprosy... yet. You already know that modern applications are built using two very different technologies: Object-oriented programming for business logic, and relational databases for data storage. Object-oriented programming is a key technology for implementing complex systems, providing benefits of reusability, robustness, and maintainability. Relational databases provide data independence as repositories for persistent data. Object-Relational Mapping (ORM) is a bridge between the two that allows applications to access relational data in an object-oriented way. But ORM has a learning curve, just like any technology that tries to make complex programming issues simple. And if it takes longer to master the technology than it would have taken to build your own solution, is your c.v. the only thing getting better? With the answers to five easy questions, you can determine whether ORM is right for you, with a 93.5% chance of success. Guaranteed.

15:00-15:50 | OFBiz

## OFBiz Framework Tools for Integrated Business Intelligence

Jacopo Cappellato

Dimensional modeling has become the most widely accepted approach for data warehouse design. The presentation will introduce some of the most important dimensional modeling techniques and best practices, together with the OFBiz Framework tools that implement them and can be used to build and maintain an OFBiz dimensional data model fully integrated and synchronized with the OFBiz transactional data model; the simple yet complete prototype that comes with OFBiz will be described as well to illustrate the complete process from data model definition (dimensions, fact tables and star schemas), to data processing (ETL) and creation of a simple dimensional report.

16:30-17:20 | SysAdmin: Security

T N

## Securing Apache Tomcat for your Environment

Mark Thomas

A default Apache Tomcat installation is secure but each installation environment is different and may have additional security requirements. This presentation will examine the security configuration options available in Apache Tomcat, when to use them (and when not to use them) and the threats they might help mitigate. The rationale behind having resource passwords (eg for database access) in clear text in server.xml will also be discussed.

16:30-17:20 | Business/Community: Community Studies

B N

## Open Development in the Enterprise

Phil Steitz

In this talk, we will explore the question: what can corporate IT organizations learn from leading OSS communities? We will look at how open development concepts such as transparency, meritocracy and community oversight can be applied in corporate settings and what the quality, speed, flexibility and human resource development benefits can be. We will also discuss how collaborative development infrastructure and processes used by leading OSS communities can be leveraged inside the enterprise. We will review some ASF and ASF-related collaboration tools and discuss challenges and opportunities in establishing open development infrastructure and practices in a corporate setting. Finally, we will discuss strategies for influencing corporate culture to accept and embrace, rather than reject open development concepts.

16:30-17:20 | Developer: Tools & Builds

T N

## Dependency Management With Ivy

Petar Tahchiev

This lecture will give you a short introduction of what dependency management is, what are the different approaches for a dependency management, what is the history of Ivy and last but not least, how you can benefit from using Ivy. The presentation I am about to prepare will be divided into 4 main parts. The target group of the following presentation is supposed to have little or no experience with Ivy. Although, it is a good point to have some experience with Ant and Maven, isn't a necessity. The first part is the introductory part. Here I will start by explaining what the build lifecycle is and what are the main problems that arise at build time, so that you can later on see how Ivy really solves these problems. Here I will talk about the concept of dependency management, and what exactly it is. The second part provides with the knowledge details of what are the other solutions for dependency management, and what makes Ivy unique. Also what are the strong and weak sides of Ivy. The last part would be the most interesting part of all – showing you the Ivy project in action. This time I will grab a certain project and resolve it's dependencies on air with Ivy, showing in real-time how easy it is, to work with this tool. I will try to cover all the data and knowledge that I have presented in the past two sections in practice.

16:30-17:20 | Developer: Hadoop & Databases

D E

## iBatis, Cayenne, OpenJPA – Apache Persistence Layers

Henning Schmiedehausen

iBatis, OpenJPA and Cayenne all offer their own unique solution to the Java persistence and O/R mapping problem. Each of these solutions has its own merits and advantages. This talk introduces to these projects, shows their strengths and gives examples on how to use these technologies in your application.

16:30-17:20 | OFBiz

## Accelerating performance with Views and Dynamic Views

Adam Heath

Databases are designed to store vast amounts of data, and allow for relative extraction of any parts of that data. However, when doing nested loops, the database has to open/close/re-read whatever cache statistics it maintains for each sub-query. There is also a per-request overhead. This does not allow the database to do what it does best; optimizing retrieval. Since the nested queries come in separately, the database does not know the access pattern, so has to rebuild it's query plan, reopen tables, open/close any associated locks, etc.

This is not efficient. Discussion will entail being able to recognize such access patterns, and to reduce the number of separate delegator.find calls. As an example, existing code in OFBiz will be modified in the second half of the talk. Sub-components of this talk will be restricting the set of returned fields in the query to the bare minimum required, to handle the calling codes requirements, and to allow for proper chained cache clearing.

Topics Covered: Recognizing nested query access patterns; Converting code to a dynamic or normal view; Reducing the set of returned fields, but still allow the cache system to do it's magic; Making use of org.OFBiz.entity.cache.Cache.put(Object), to save time from having to rebuild complex object graphs.

# Schedule at-a-glance

Wednesday | November 5

	System Administration NAPOLEON A 2 & 3	Business of Open Source NAPOLEON D 2 & 3	Developer/Java Frameworks OAK ALLEY	Developer NOTTOWAY	OFBiz Symposium MAUREPAS
09:00-09:30	Open Plenary & State of the Feather – Shane Curcuru and Jim Jagielski				
9:30-10:20	Keynote: Learning from Apache to Create Open Specifications – David Recordon (Open Web Foundation)				
10:30-11:20	Scaling Apache 2.x in all dimensions Colm MacCarthaigh <b>T E</b>	The Business of Open Source – Power, Prestige, and Propulsion Sally Khudairi <b>B N</b>	Jetspeed-2 Enterprise Portal: development status and road map Ate Douma <b>T E</b>	Advanced Indexing Techniques with Apache Lucene Michael Busch <b>T E</b>	The Business of Open Source – Power, Prestige, and Propulsion NAPOLEON D 2 & 3
11:30-12:20	Building scalable web applications and clusters Brian Moon <b>T E</b>	Adoption-Led – a rather obvious way of talking about open source Simon Phipps <b>B N</b>	Using Portlet API 2.0 (JSR-286) Ate Douma <b>D E</b>	Lucene/Solr Case Studies Erik Hatcher <b>D N</b>	I selected OFBiz for my company, how do I start? Hans Bakker
12:45-13:30	Lunch with Jim Jagielski - Apache 101: Sponsoring the ASF at the Corporate and Individual Level				
14:00-14:50	Top 10 Scalability Mistakes John Coggeshall <b>D E</b>	What does enterprise-ready open source really mean? Paul Holland <b>B N</b>	Rapid JCR applications development with Sling Bertrand Delacretaz <b>D E</b>	Apache Solr: Out of the Box Chris Hostetter <b>T N</b>	Enough Rope to Shoot Yourself in the Foot: Using a Holistic Analysis and Design Approach to Avoid Hanging Your Open Source Based Application Project David E. Jones
15:00-15:50	Performance: The Art and Science of Tuning a Large Perl Application Geoffrey Young <b>D E</b>	Sailing Corporate Waters – Apache as Market Disruptor Dirk-Williem van Gulik <b>B N</b>	The Struts 2 Framework Scott Stanlick <b>D E</b>	Introducing Mahout: Apache Machine Learning Grant Ingersoll <b>D E</b>	Experiences with Real World OFBiz Projects Olivier Heintz
16:00-16:30	Break Sponsored by 				
16:30-17:20	Apache Projects on Dtrace Theo Schlossnagle <b>D E</b>	Making Sense of Open Source Licenses J Aaron Farr <b>B N</b>	Enterprise Applications with JavaServer Faces, Spring, and JPA Kito Mann <b>D E</b>	Apache Solr: Beyond the Box Chris Hostetter <b>D E</b>	Building a Service Business on an Open Source Foundation Mike Bates
17:30-18:20	Advanced Reverse Proxy Load Balancing in Apache HTTP Server 2.2 Jim Jagielski <b>D E</b>	Tales from the field: Impressions from 5 years of studying Apache(con) Kevin Crowston <b>D N</b>	Wicket In Action Martijn Dashorst	Content analysis for ECM with Apache Tika Paolo Mottadelli <b>D E</b>	ERP trends, OFBiz position and India Outsourcing Amit Shinde
18:30-20:00	Welcome Reception - Sponsored by 				

## BIRDS OF A FEATHER SESSIONS (BOFs)

Wednesday, 5 November, 20:30–22:30 • Thursday, 6 November, 20:30–22:30

BOFs are the perfect opportunity to meet with other Apache users and developers in a casual environment. The BOF sessions at ApacheCon are informal gatherings of persons interested in a particular topic. Don't miss these special evening activities designed to maximize the value of your time at the conference. The BOF schedule will be updated daily and posted on the Conference at a Glance banners located on the Expo floor and near registration.

# Special Events

## Hackathon | 3-4 November

Sponsored by 

Previously closed to the general public, this year the Apache community welcomes everyone to join in the two-day codefest called Hackathon! If you are interested and have the desire and skills to code and develop Open Source software, please consider joining us. Check on our CrowdVine site to see which projects and committers are going to be on-hand. The Hackathon will start at about 10:00 on Monday.

## BarCampApache | 4 November

Sponsored by  and 

BarCampApache is the first Apache-focused unconference. It will gather people interested in The Apache Software Foundation and it's various projects to share and learn in a completely open environment. BarCampApache will be intense with discussions, demos and interaction from participants packed into an ad-hoc, participant-driven event. BarCampApache is free, but due to a limit in size, pre-registration is required.

## Welcome Reception & Key Signing 5 November

Sponsored by 

Join us Wednesday evening to relax and meet and geek with the people you have seen all day but have been too busy with the conference to really sit down and talk to. Have a bit of food and a glass of beer or wine and enjoy yourself!

## Lightning Talks | 6 November

Sponsored by 

This lively session has become a fun and expected ApacheCon tradition! Thursday evening, after the day's sessions are done, we will gather in the main hall and the beer will flow. As a community, taking time to laugh together is as important as taking time to code together. The Lightning Talks are spontaneous and each year has its own unique highlights. Topics can be of any sort, as long as they relate to the ASF or to ASF projects.

## Hadoop Camp | 6-7 November

Sponsored by 

Hadoop Camp will bring together leaders from the Hadoop developer and user communities to share their experiences. Sessions will cover topics in the areas of extensions being developed for Hadoop and related sub-projects, applications being built and deployed on Hadoop, and interactive discussions on future directions.

## Hadoop Hack Contest | 7 November

Sponsored by 

New to Hadoop? Have some data you want to analyze? Have an idea to improve performance? Just want to play with TBs of data for its own sake? Cloudera is providing access to an Apache Hadoop cluster in the cloud, cool data, support staff and awarding prizes for the coolest hacks and applications. Get details and register: [cloudera.com/hadoophack](http://cloudera.com/hadoophack)

## ApacheCon Raffle | 7 November

Sponsored by  and 

All registered attendees are automatically entered in the ApacheCon Raffle. Join us at the Closing Banquet on Friday, where randomly-selected individuals receive fabulous giveaways such as cool gadgets, T-shirts, timepieces, electronics, and more! The catch? You have to be there to win!

## Voluntourism Day | 8 November

Sponsored by 

ApacheCon is arranging a "voluntourism" activity to support the rebuilding and revitalization of New Orleans. We invite our members, committers, and attendees to stay an extra day to make a difference in the real world, and pitch in to help!

## Fast Feather Schedule

- 15:00 - Apache Archiva with Maria Odea Ching
- 15:15 - Buildr with Alex Boisvert
- 15:30 - Abdera, a Java atomPub implementation with David Calavera
- 16:30 - Apache Droids - an intelligent standalone robot framework with Thorsten Scherler
- 16:45 - What's cooking in PDFBox? With Jukka Zitting

**15:00 - Apache Archiva with Maria Odea Ching** Apache Archiva is an open source build artifact repository manager which addresses different artifact repository problems such as bloating repository size, corrupted metadata, download problems and access controls. This session will be an introduction of the Apache Archiva project. It would start with a short overview about repositories and the problems encountered in using them, and how Archiva addresses these problems. Then, Archiva's features and capabilities will be briefly discussed. This would cover repository management, proxying, artifact deployment, security, and reporting.

**15:15 - Buildr with Alex Boisvert** Buildr is a build system for Java, Scala, Groovy, Ruby and soon C/C++ applications. This talk is a short introduction to Buildr with lots of practical examples. Learn how Buildr can help make your build scripts shorter, faster and more reliable. Who knows, it may even make writing build scripts fun again!

**15:30 - Abdera, a Java atomPub implementation with David Calavera** Abdera is a Apache implementation of the Atom Publishing Protocol (RFC 5023). In this session will cover the main characteristics of this project and and we'll see how to build a simple AtomPub server.

**16:30 - Apache Droids - an intelligent standalone robot framework with Thorsten Scherler** Droids makes it very easy to extend existing robots or write a new one from scratch. The talk will introduce the different components of droids and how to use them in a robot. We will explain this with the HelloCrawler as example. Droids is a labs projects which will go to the incubator within the next weeks. Droids uses/will use a width range of lucene projects within the different components (Parser based on tika, Handler for solr, ...).

**16:45 - What's cooking in PDFBox? With Jukka Zitting** PDFBox is an established and widely used Java library for working with PDF documents. The project entered the Apache Incubation in early 2008 and is currently working on its first Apache release. This presentation gives an overview of the PDF format and the features of PDFBox. Current incubation status and related issues are also outlined.

Wednesday in Napoleon A1

# Schedule at-a-glance

Thursday | November 6

	<p>SysAdmin: Security NAPOLEON A 2&amp; 3</p>	<p>Business/Community: Community Studies NAPOLEON D 2 &amp; 3</p>	<p>Developer: Tools &amp; Builds NOTTOWAY</p>	<p>Developer: Hadoop &amp; Databases OAK ALLEY</p>	<p>OFBiz Symposium MAUREPAS</p>
09:00-09:50	<p><b>Hardening Enterprise Apache Installations Against Attacks</b> Sander Temme</p> <p>T E</p>	<p>Open Source Collaboration Tools are Good For You! Bertrand Delacretaz</p> <p>B N</p>	<p>More Apache Maven Best Practices Brett Porter</p> <p>D E</p>	<p>Introduction to Hadoop Owen O'Malley</p> <p>T N</p>	<p>Intuitive interfaces for complex e-commerce (Web 2.0 UIs for dynamic products with complex sub-assemblies) Ean Schuessler</p>
10:00-10:50	<p>Web Intrusion Detection with ModSecurity Ivan Ristic</p> <p>T N</p>	<p>Great Code comes from Great Community: Meritocracy in Action Chris J. Davis</p> <p>T N</p>	<p>Q4E and Eclipse IAM, Maven integration for Eclipse Carlos Sanchez</p> <p>D E</p>	<p>A Tour of Apache Hadoop Tom White</p> <p>D E</p>	<p>Building OFBiz Infrastructures Matthew Porter</p>
11:00-11:30	<p>Break at 11:00 sponsored by </p>				
11:30-12:20	<p>Keynote: Standing on the Shoulders of Giants – Shahani Markus Weerawarana, Ph.D.</p>				
12:45-13:30	<p>Lunch with Lars Eilebrecht - Apache 101: Behind the Scenes of the ASF   Sponsored by </p>				
14:00-14:50	<p>(In)secure Ajax and Web 2.0 Web Sites Christian Wenz</p> <p>D N</p>	<p>Guide to Successful Graduation at the ASF Martijn Dashorst</p>	<p>Apache Felix – A Standard Plugin Model for Apache Carsten Ziegeler</p> <p>D E</p>	<p>Programming Hadoop Map-Reduce Arun Murthy</p> <p>T N</p>	<p>Automating your OFBiz Application Testing using Selenium Brett Palmer</p>
15:00-15:50	<p>Browser Exploits – Attacks and Defense Saumil Shah</p> <p>T E</p>	<p>Turn Off The Lights Before You Go: Graceful Shutdown of OS Projects Bjorn Townsend</p> <p>B N</p>	<p>Felix goes to Tuscany: applying OSGi modularity after the fact Graham Charters</p> <p>T E</p>	<p>Don't know Jack about Object Relational Mapping? Craig L. Russell</p> <p>D N</p>	<p>OFBiz Framework Tools for Integrated Business Intelligence Jacopo Cappellato</p>
16:00-16:30	<p>Break</p>				
16:30-17:20	<p>Securing Apache Tomcat for your Environment Mark Thomas</p> <p>T N</p>	<p>Open Development in the Enterprise Phil Steitz</p> <p>B N</p>	<p>Dependency Management With Ivy Petar Tahchiev</p> <p>T N</p>	<p>iBatis, Cayenne, OpenJPA – Apache Persistence Layers Henning Schmiedehausen</p> <p>D E</p>	<p>Accelerating performance with Views and Dynamic Views Adam Heath</p>
17:30-18:20	<p>Securing Communications with your Apache HTTP Server Lars Eilebrecht</p> <p>T N</p>	<p>Do You Believe in the Users? Brian Fitzpatrick</p> <p>B N</p>	<p>Guidelines and Best practices-System architecture of web applications Ravi Saraswathiamma</p> <p>T E</p>	<p>Introduction to JCR and Apache Jackrabbit Jukka Zitting</p> <p>T E</p>	<p>How I Learned to Stop Worrying and Love OFBiz Martin Anderson</p>
18:30-19:30	<p>Lightning Talks - Sponsored by </p>				

# Scalable Economical Efficient Reliable Open

VISIT US IN  
THE EXPO HALL  
LEARN ALL  
THINGS HADOOP

## *hadoop camp*

Thursday & Friday



**YAHOO!**  
DEVELOPER  
NETWORK

### Hadoop Camp

November 6 & 7 - Borgne

<http://us.apachecon.com/c/acus2008/schedule/hadoop-camp>

#### THURSDAY | November 6

15:00 Hadoop at Yahoo! - Eric Baldeschwieler

15:15 Hadoop Directions: A Futures Panel - Moderator: Ajay Anand - Panelists: Sameer Paranjpye, Owen O'Malley, Sanjay Radia and Dhruva Borthakur

16:30 Using Hadoop for an Intranet Search Engine - Shivakumar Vaithyanthan

17:00 Cloud Computing Testbed - Thomas Sandholm

17:30 Improving Virtualization and Performance Tracing of Hadoop with OpenSolaris - George Porter

18:00 An Insight into Hadoop usage at Facebook - Dhruva Borthakur

#### FRIDAY | November 7

09:00 Hadoop on Amazon Web Services - Jinesh Varia

09:30 Hive - Ashish Thusoo

10:30 Hadoop Hack Revealed - Christophe Bisciglia

14:00 Pig - Alan Gates

14:45 Zookeeper, Coordinating the Distributed Application - Benjamin Reed

15:30 Querying JSON Data on Hadoop using Jaql - Kevin Beyer

16:30 Hbase - Chad Walters

the  
**hadoop**  
hack contest

hack on a hadoop cluster in  
the cloud. we will provide  
cool data and support from  
the cloudera staff. prizes will  
be awarded.

register at [cloudera.com/hadoophack](http://cloudera.com/hadoophack)

sponsored by



Orientation:

**B**

Business

**T**

Technical

**D**

Developer

Difficulty:

**O**

Overview

**N**

Novice

**E**

Experienced

# Schedule at-a-glance

Friday | November 7

Track	SysAdmin & Developer: Administration NAPOLEON A 2& 3	Business/Community: Helping Communities NAPOLEON D 2 & 3	Tools & Feeds NOTTOWAY	Developer:SOA & Messaging OAK ALLEY
09:00-09:50	Administering Apache Geronimo 2.x Vamsavardhana Reddy Chillakuru Technical Novice <b>T N</b>	How Do You Do? Writing Documentation Your Audience Can Read Noirin Shirley Business Novice <b>B N</b>	Best of breed – httpd, forrest, solr and droids Thorsten Scherler Developer Experienced <b>D E</b>	Web Services, Orchestration and Apache ODE Matthieu Riou <b>T E</b>
10:00-10:50	Java Monitoring and Trouble Shooting Tools In Action Bill Au Technical Experienced <b>T E</b>	Hadoop Hack Revealed Christophe Bisciglia in BORGNE	Stormin' the coffee cup with Apache Harmony Tim Ellison Technical Experienced <b>T E</b>	Building composite applications with SCA and Apache Tuscany Luciano Resende <b>T N</b>
11:00-11:30	Break			
11:30-12:20	Keynote: struct.new("future", :open, :microsoft) – Sam Ramji (Microsoft)			
12:45-13:30	Lunch with J Aaron Farr - Apache 101: The Apache Way			
14:00-14:50	Apache James – The Complete Email Application Platform Danny Angus Technical Experienced <b>T E</b>	An Open Source Approach to Digital Humanities James Smith Developer Novice <b>D N</b>	Atom Best Practices James Snell Technical Experienced <b>T E</b>	Service Oriented Integration With the Apache ServiceMix ESB Bruce Snyder <b>T E</b>
15:00-15:50	Scripting your Java Application with BSF 3.0 Felix Meschberger Developer Novice <b>D N</b>	Empowering the social web with Apache Shindig Henning Schmiedehausen Developer Experienced <b>D E</b>	An httpd module for the Atom Publishing Protocol Tim Bray Technical Experienced <b>T E</b>	ServiceMix, ActiveMQ, Camel, and CXF – An integration toolbox Chris Custine <b>T E</b>
16:00-16:30	Break			
16:30-17:20	mod_wombat: Multithreaded Scripting in the Apache HTTP Server with Lua Brian McCallister Developer Experienced <b>D E</b>	The Commons Libraries – don't reinvent the wheel Torsten Curdt Developer Novice <b>D N</b>	XML and Web Services with Groovy Paul King Developer Novice <b>D N</b>	Real-World Messaging with ActiveMQ Aaron Mulder <b>T E</b>
17:30-18:20	Closing Plenary & Raffle Sponsored by 			

## VOLUNTOURISM DAY

8 November

Sponsored by Stone Circle Productions

ApacheCon is arranging a “voluntourism” activity to support the rebuilding and revitalization of New Orleans. We invite our members, committers, and attendees to stay an extra day to make a difference in the real world, and pitch in to help!

## SAVE THE DATE

BarCampApache China  
Beijing - 4-5 December, 2008  
<http://www.apachecon.com>

ApacheCon Europe 2009  
Amsterdam - 23-27 March, 2009  
<http://www.eu.apachecon.com>

ApacheCon US 2009  
Oakland, CA - 2-6 November, 2009  
<http://www.us.apachecon.com>

# Sessions

Thursday | November 6 (cont.)

17:30-18:20 | SysAdmin: Security

T N

## Securing Communications with your Apache HTTP Server

Lars Eilebrecht

This talk will introduce you to the fundamentals of securing the client-server communication of your Apache HTTP Server with HTTPS. We will start by explaining the basics of X.509 server and client certificates, certification authorities, and using the OpenSSL toolkit. The TLS/SSL protocol will be introduced and how it is used together with HTTP in order to provide for data encryption, integrity, and authentication. The basic configuration of the Apache HTTP Server will be explained, as well as the Mozilla Firefox and Microsoft Internet Explorer clients. We will walk through some standard use cases and common pitfalls and issues when using HTTPS.

17:30-18:20 | Business/Community: Community Studies

B N

## Do You Believe in the Users?

Brian Fitzpatrick

Too many programmers have forgotten about the lost art of customer service. All software has users, though most developers have forgotten how to respect them, trust them, or sell their software to in an exciting (but honest!) manner. This talk will focus on anecdotes and strategies for keeping software design uncomplicated, making software fast, and putting usability above programming convenience. We'll also focus on the importance of keeping a healthy illusion of simplicity, while allowing abstractions to deliberately leak for power-users.

17:30-18:20 | Developer: Tools & Builds

T E

## Guidelines and Best practices-System architecture of web applications

Ravi Saraswathiamma

The session describes best practices and guidelines for creating system architecture and how to do architecture assessment and analysis of Apache and Tomcat based web based applications. The second part of

the session focuses on best ways to identify infrastructure requirements including hardware & software and best practices for creating system architecture, identify network for hosts, SSL, Firewall requirements and VIPs. The presentation introduces ways to manage J2EE applications by providing enterprise-wide technology policy, standards, guidelines and solutions to architect, deploy and manage applications with cost effectiveness

17:30-18:20 | Developer: Hadoop & Databases

T E

## Introduction to JCR and Apache Jackrabbit

Jukka Zitting

Apache Jackrabbit is a fully conforming implementation of the Content Repository for Java Technology API (JCR). JCR is a standard for managing rich hierarchical content models with features like full text search, versioning, and transactions. This presentation introduces you to the key concepts of JCR and shows you how to use Apache Jackrabbit and related projects to build various types of content applications like wiki and blog engines, email archives, image galleries, etc.

17:30-18:20 | OFBiz

## How I Learned to Stop Worrying and Love OFBiz

Martin Anderson

As a Web agency, we've learned to make OFBiz meet the needs of a diverse roster of e-commerce clients. Taking lessons learned from our usability experts, analytics, and observations of industry trends, we have become experts at adapting OFBiz to suit their needs. In this session, we'll discuss topics such as one-step checkout, Ajax-oriented UI design, and the impact of multivariate testing.

# DID YOU KNOW...

1. THE ASF HAS 63 TLP'S, OR TOP LEVEL PROJECTS.
2. THERE ARE 32 PODLINGS IN THE ASF'S INCUBATOR PROJECT.
3. THE ASF HAS OVER 1,800 COMMITTERS - PEOPLE ALLOWED TO WRITE TO THE SVN REPOSITORY.
4. THERE ARE 71 DIFFERENT PMCS, OR PROJECT MANAGEMENT COMMITTEES.
5. THE AVERAGE PMC HAS ABOUT 17 MEMBERS; THE SMALLEST IS 4 MEMBERS; AND THE LARGEST, 119 MEMBERS. THE SMALLEST IS THE AUDIT COMMITTEE WITH 4. JAKARTA IS THE LARGEST WITH 119, AND THE INCUBATOR HAS 85.
6. IN JUST UNDER 10 YEARS, THE ASF MEMBERSHIP HAS GROWN FROM 21 FOUNDING MEMBERS TO 276 CURRENT MEMBERS.
7. THE ASF HAS WON THE JCP'S "MEMBER OF THE YEAR" PRIZE THREE TIMES.
8. THE ASF HAS 5 EXECUTIVE OFFICERS, AND 68 VICE PRESIDENTS.

Orientation:

B

Business

T

Technical

D

Developer

Difficulty:

O

Overview

N

Novice

E

Experienced

# Sessions

Friday | November 7

09:00-09:50 | SysAdmin & Developer: Administration

**D** **E**

## Best of breed – httpd, forrest, solr and droids

Thorsten Scherler

This session shows how to use best of breed Apache products to develop high traffic pages where performance is the determine factor. Each day the Junta de Andalucia is publishing the official bulletin on the governmental web page <http://www.andaluciajunta.es/boja/>. The daily bulletin is generated with Apache Forrest using Adobe Indesign files as base. In the process of the static export of the content of the bulletin the different laws are crawled with Apache Droids which then uses Apache Solr to index them. Finally an Apache httpd server is used to answer the high volume requests.

09:00-09:50 | Developer:SOA & Messaging

**T** **E**

## Web Services, Orchestration and Apache ODE Technical Experienced

Matthieu Riou

Apache ODE is a web service orchestration engine implementing the Business Process Execution Language (BPEL) standard. What's behind this sentence? What exactly is orchestration and what are the benefits? How can it help you develop your applications? And what the BPEL standard is good and bad for? This session will try to answer to all of these questions by showing you how you can easily describe complex processes and transactions using BPEL and how you can leverage your existing software architecture to quickly implement new applications. Doing so, we'll cover multiple design techniques, best practices for BPEL development, integration with REST/WS- and scripting technologies, as well as discuss pitfalls and anti-patterns.

09:00-09:50 | Tools & Feeds

**T** **N**

## Administering Apache Geronimo 2.x

Vamsavardhana Reddy Chillakuru

Apache Geronimo 2.x is certified Java Enterprise Edition 5.0 container suitable for everything from a development environment to enterprise-level deployments. Geronimo leverages many Apache projects, such as Tomcat, OpenEJB, ActiveMQ, Derby. In this session discuss what is involved in administering Geronimo, the first steps in getting Geronimo ready for a production environment, show how the all powerful web based Geronimo console simplifies various tasks viz. a) Administering embedded Tomcat, ActiveMQ, Derby. b) Deploy/ start/stop applications & other server components. c) Creating JMS Resources, Database pools, Security realms, etc. d) Installing plugins for Geronimo. e) Managing keys, digital certificates and configuring SSL. We also show how to run multiple server instances from the same installation. After attending the session the audience will gain good knowledge on administering Geronimo and be familiar with do's and don'ts while using Geronimo.

09:00-09:50 | Business/Community: Helping Communities

**B** **N**

## How Do You Do? Writing Documentation Your Audience Can Read

Noirin Shirley

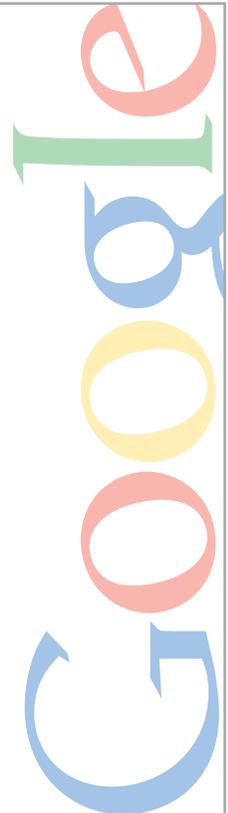
Documentation is often seen as the 'ugly sister' of open source work. Everyone knows they need it, but no one wants to write it. But writing documentation doesn't need to be a pain, and the advantages of having usable documentation are many. This talk will briefly introduce the need for documentation, and discuss the benefits that good documentation can bring to a software project. The talk will go on to look at effective communication with users from a variety of angles: letting them know

Google is a proud sponsor of  
ApacheCon US 2008.

Explore the different ways  
Google serves the  
open source community:

[code.google.com/opensource/](http://code.google.com/opensource/)

Copyright 2008. All rights reserved Google and the Google logo are registered trademarks of Google Inc..



Orientation:

**B**

Business

**T**

Technical

**D**

Developer

Difficulty:

**O**

Overview

**N**

Novice

**E**

Experienced

# Sessions

Friday | November 7

that documentation exists, helping them to find the documentation that they need, and making sure that it's written in a language that they can understand. Finally, the talk will cover some of the different types of documentation an open-source project needs: the different audiences that need to be addressed, and how to improve documentation overall by speaking to each of those audiences separately, rather than trying to communicate everything at once.

10:00-10:50 | SysAdmin & Developer: Administration

## Stormin' the coffee cup with Apache Harmony

Tim Ellison

Since it's inception in May 2005, the Apache Harmony project has enjoyed phenomenal progress, such that three years later we have virtual machines, JIT compilers, and over 99% of Java 5 and Java 6 SE APIs complete. Harmony's pluggable, modular architecture supports interoperability between multiple Virtual Machines, and well-defined functional areas of the Java class library can be used in a variety of situations. Learn how Harmony is not just your everyday Java runtime, and a little about the issues that has kept Harmony in the news. This talk will appeal to practitioners and developers with an interest in open source innovation around the Java platform, and includes a demo of Apache Harmony's capabilities.

10:00-10:50 | Developer:SOA & Messaging

## Building composite applications with SCA and Apache Tuscany

Luciano Resende

Come learn how easy it is to build and deploy composite applications with Apache Tuscany. You will learn how to create an SCA composite in a few minutes and then expand it to integrate with a Web 2.0 client application and backend data handling resources. In this session we will introduce SCA to give you an idea of what this SOA programming standard is about and help you understand how you can use Apache Tuscany or contribute to it. Apache Tuscany provides an infrastructure for developing and deploying composite applications in a distributed environment. It takes care of the complexity of environment that SOA developers typically need to deal with and instead allows them to focus on developing business logic. Apache Tuscany goes beyond the SCA specification and is an environment for innovative ideas around SOA, for example it extends SCA to work with web2.0 and OSGI. Apache Tuscany is integrated with other Apache technologies such as Tomcat, Axis2, Geronimo, BSF, Ode, XMLBeans and Abdera.

10:00-10:50 | Tools & Feeds

## Java Monitoring and Trouble Shooting Tools In Action

Bill Au

CNET Networks owns a global network of popular web sites with a combined average daily page views of over 86.3 million. To keep our sites running smoothly, we frequently have to monitor and trouble shoot our Java applications. In addition to the tools and utilities that come with Java, we also use a few free tools to get the job done. In this session, we will demonstrate how these tools can be used to monitor and trouble shoot some common problems that we have come across. There will also be a general question-and-answer and open discussion at the end for attendees to share their favorite tools, tricks, and/or best practices in monitoring and trouble shooting Java applications. In addition to covering the tools that comes with Java (jconsole, jhat, jinfo, jmap, jstat), we will also take about a few free tools that we use. We will demonstrate these tools by using them against sample Java programs that exhibit some of the problem that we have come across in our Java applications: memory leak, OutOfMemoryError, slow performance. After the demonstration, the floor will be open for question-and-answer and discussion with attendees. I plan to ask the participants to share their experience in the subject matter, along with their favorite tools, tricks, and best practices.

10:00-10:50 | Business/Community: Helping Communities

## Hadoop Hack Revealed

Christophe Bisciglia

New to Hadoop? Have some data you want to analyze? Have an idea to improve performance? Just want to play with TBs of data for its own sake? Cloudera is providing access to an Apache Hadoop cluster in the cloud, cool data, support staff and awarding prizes for the coolest hacks and applications. This session will review the submissions received for the Hadoop Hack.

11:30-12:20 | Keynote

## struct.new(“future”;:open,:microsoft)

Sam Ramji (Microsoft)

12:45-13:30 | Lunch with . . . .

## Apache 101: The Apache Way

J. Aaron Farr

Apache prides itself on its emphasis of community driven development. But in practice, how does this work? Aaron Farr shares lessons learned from the inner working of The Apache Software Foundation -- from its principles and practices, to the people and businesses around it.

14:00-14:50 | SysAdmin & Developer: Administration

## Atom Best Practices Technical Experienced

James Snell

This session will discuss best practices for the implementation of Atom-based services. Topics will include best practices for Atom format and protocol extensions, mapping application specific data to core Atom elements, use of atom:category and atom:link elements, and overall design of Atom-based services.

14:00-14:50 | Developer:SOA & Messaging

## Service Oriented Integration With the Apache ServiceMix ESB

Bruce Snyder

SOA is simply a way to think when designing systems. Service oriented integration is a way to leverage investments in existing IT systems. Apache ServiceMix is an enterprise service bus (ESB) that provides a platform for system integration utilizing reusable components in a service oriented manner. This session will discuss some definitions of an ESB and how to evaluate an ESB, the Java Business Integration (JBI) spec, developing integrations with ServiceMix 3, some discussion of Apache Camel and some info on ServiceMix 4.

14:00-14:50 | Tools & Feeds

## Apache James – The Complete Email Application Platform

Danny Angus

This presentation will introduce the audience to the Apache James mailserver, outlining its major features and focusing on James' capability as a mature and highly flexible email application platform that can be used in complex enterprise systems, small business or workgroups, or as a platform for R and D in email related topics. It will also include an overview of the complimentary products hosted by the Apache James project; the Maillet API, JSeive, JSPF, mime4j and postage.

14:00-14:50 | Business/Community: Helping Communities

## An Open Source Approach to Digital Humanities

James Smith

The Texas A&M University College of Liberal Arts is working to develop a telescope of the mind: a digital research environment based on open standards and a robust open source toolset to allow faculty to create extensive and reusable digital collections capable of advancing research in digital humanities (i.e., the academic semantic web). This session covers the constraints we are working within and the open source technologies we are applying. We will also touch on some of the open source packages we are producing.

15:00-15:50 | SysAdmin & Developer: Administration

## An httpd module for the Atom Publishing Protocol

Tim Bray

The Atom Publishing Protocol is described in RFC5023, completed in 2007. There are a variety of implementations with good interoperability. mod\_atom is an implementation of the APP as an apache module. Its goals are simplicity and performance are important. To have multiple APP-updatable publications, you should need only one line in an httpd config file, and you should ideally be able to flow updates into multiple publications in parallel at available network wire speeds. mod\_atom, now available on Googlecode, attempts to achieve high performance via tight integration with httpd and use of the unadorned filesystem as a backing store. Early test results indicate high

# Sessions

Friday | November 7

performance; by Apachecon, there will be fairly comprehensive results about how fast mod\_atom can go and how to tune httpd to achieve this. Apache httpd is currently how a large part of the material that's retrieved from the web is retrieved. With APP in general and mod\_atom in particular, it could become the vehicle via which a high proportion of the Web's content is stored as well as retrieved.

15:00-15:50 | Developer:SOA & Messaging

T E

## ServiceMix, ActiveMQ, Camel, and CXF – An integration toolbox

Chris Custine

ServiceMix, ActiveMQ, Camel, and CXF are all complimentary technologies that can be used to create an integration toolbox. This session will show how to use each of these components together to create a flexible and full featured integration platform.

15:00-15:50 | Tools & Feeds

D N

## Scripting your Java Application with BSF 3.0

Felix Meschberger

One very important functionality of modern extensible applications is support for developing such extensions in any scripting languages. Many scripting languages available today provide some sort of Java integration but each integration is different making it very difficult for the vendor of the application to support more than one scripting language. Enter the Java Script API as defined in JSR-223. This API provides support for standardized integration of scripting languages in Java applications. Bindings already exist for a number of scripting languages such as Groovy, JavaScript, Python, Ruby, Tcl. This session will show how easy it is to add scripting support to a Java application using the Java Scripting API and thus support whatever scripting language the user of the application likes to use. Practical demonstrations using Apache BSF 3.0 as the Java Scripting API implementation and Apache Sling as a Java application to be scripted will show how easy it is to add scripting support and to add scripting languages quickly and at runtime without even restarting the application.

15:00-15:50 | Business/Community: Helping Communities

D E

## Empowering the social web with Apache Shindig

Henning Schmiedehausen

The social web is already reality and it makes applications available to more users by providing common APIs that can be used in many different contexts. OpenSocial is an API that can be used by developers to create applications, using standard JavaScript and HTML. These applications run on social websites that have implemented the OpenSocial APIs. Such websites, known as OpenSocial containers, allow developers to access their social information; in return they receive a large suite of applications for their users. Apache Shindig is a brand new incubator podling implementing the OpenSocial APIs. This talk describes Shindig in depth and shows how it can be embedded into a larger web application to enable it to host OpenSocial apps.

16:30-17:20 | SysAdmin & Developer: Administration

D N

## XML and Web Services with Groovy

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). It also integrates nicely with XPath, XQuery, XSLT as well as with popular XML libraries. Groovy's markup builders provide an elegant and efficient way to create and modify XML. All these features can work with Apache Xerces or with native XML support on 1.4 through to 1.7 JVMs. In addition to its base XML capabilities, Groovy modules exist for doing XML-RPC, REST and SOAP Web Services including RSS, ATOM and other popular XML dialects. Groovy-WS is based on Apache CXF and provides a simple and elegant way to create Web Services without the need for worrying about stubs.

16:30-17:20 | Developer:SOA & Messaging

T E

## Real-World Messaging with ActiveMQ

Aaron Mulder

So you're considering a production deployment of ActiveMQ. I'm sure you have some questions. Such as: How can the broker be clustered to improve scalability or guarantee availability? How should clients be configured for failover? How do we monitor individual messages, queue depths, or other broker statistics? What's the best approach if a producer or consumer may be down for some time (e.g. a maintenance window)? What kind of hardware is needed for a throughput of ## messages per second? What are the security options? What's the real difference between persistence strategies? What's the best way to connect non-Java clients? In this talk we'll address all these questions and more (bring a few of your own!). You'll walk away with the knowledge you need to be confident putting ActiveMQ into production.

16:30-17:20 | Tools & Feeds

D E

## mod\_wombat: Multithreaded Scripting in the Apache HTTP Server with Lua

Brian McCallister

Mod\_wombat lets you write efficient and fast modules in Lua for the multi-threaded Worker and Event MPMs. Lua is a very fast scripting language specifically designed for embedding and extension -- making it a perfect match for the Apache HTTP Server. Learn how to setup, write a module, optimize it, and easily move from Lua to C and back again with mod\_wombat!

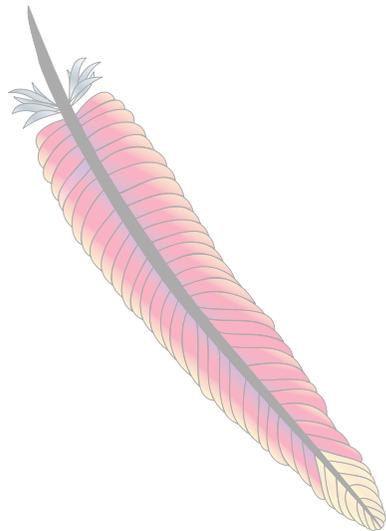
16:30-17:20 | Business/Community: Helping Communities

D N

## The Commons Libraries – don't reinvent the wheel

Torsten Curdt

Many projects use at least some of them – the Commons (former Jakarta Commons) libraries. Small reusable libraries simplifying the day-to-day work of thousands of java programmers. But over time the Commons project has grown and the number of components makes it harder and harder to keep track. This session will try to give an overview of the components available and how the community is organized.



Orientation:

B

Business

T

Technical

D

Developer

Difficulty:

O

Overview

N

Novice

E

Experienced

# Speakers

## Martin Anderson

Martin is the Director of Technology for Alexander Interactive, a leader in ecommerce strategy, design and development. He brings ten years of system architecture, engineering and technical leadership experience in the web and telecommunications industries. Martin acted as technical lead for several of Ai's Open for Business (OFBiz) projects, most recently implementing and extending it to meet the needs of Citigroup global procurement. He oversees the Ai development team, which has been implementing OFBiz for its customers since 2004.

## Danny Angus

Danny Angus lives on the west coast of Scotland with his wife Nikki and children Emma and Ross. Danny is currently employed as Director of IT by Drive Business a UK company servicing the e-Commerce needs of brand leading retail clients. He has been an Apache Foundation Member since 2004, where most of his code contributions have been to the James mail server project, an involvement which started in 2000. He has worked in ICT since 1998, initially in web content management, subsequently in e-commerce and knowledge management. Recently he has worked in projects delivering to the UK government's modernising government agenda, but has just returned to his roots in e-Commerce. His technical interests include web technologies, email and anti-spam solutions, java performance, and code quality processes. Outside of work he enjoys mountain biking and photography.

## Bill Au

Bill Au is a Principal Software Engineer of the Platform Infrastructure group at CNET Networks. He has worked at CNET for more than six years. In addition to developing Java software, he is also responsible for supporting the JDK and application server platform across the entire company. Prior to CNET, Bill spent fifteen years at AT&T Bell Labs as a Member of Technical Staff in a variety of roles including UNIX system administrator, UNIX system programmer, database programmer, and senior software architect/engineer. He holds a BS in Computer Science

from Columbia University and a MS in Computer Science from Stanford University. Bill is a commiter of the Apache Solr project and a contributor to OpenGrok. Bill was a speaker at the 2006 JavaOne conference.

## Hans Bakker

Hans (J.C) Bakker has more than 30 years experience in IT related functions and is currently the founder/CEO of AntWebsystems Co.Ltd in Thailand. He is an active advocate of Apache OFBiz and open source in general and provides presentations to local, EU and US organizations regularly. AntWebsystems is an outsourcing software development company which specializes in providing services around the Apache OFBiz ERP system. The company is servicing companies in the US and Europe and is working with a number of partners to be able to provide local support. Previous to this position he led an Internet services company in the Netherlands providing content management products for the dutch market. During the first half of the nineties, he worked for a large record company where he developed, with a team of programmers, an artist royalty system for 4 countries in Europe and in the US. During the eighties he coordinated for a US multinational the software change management of a large team of programmers in Germany, Italy, Spain, Belgium and the US.

## Mike Bates

Mike founded HotWax Media in 1997, and his career in sales, marketing, design and web development spans a dozen years. Mike is focused on business development, acquiring and growing key accounts, and developing a profitable business model around open source software. He has led high-profile projects for numerous national and global brands and has taught web development courses at the graduate level. After graduating Summa Cum Laude from the Monterey Institute of International Studies with a B.A. in International Studies, he earned his MBA in International Management from the Fisher School.



**Full commercial support available**

**Apache HTTP**

**Apache Tomcat**

**Apache ActiveMQ**

**Apache Axis**

**Apache Geronimo**

**For more information visit [www.springsource.com](http://www.springsource.com) or call us at 800.444.1935**

# Speakers

## Christophe Bisciglia

Christophe joins Cloudera from Google, where he created and managed their Academic Cloud Computing Initiative. Starting in 2007, he began working with the University of Washington to teach students about Google's core data management and processing technologies - MapReduce and GFS. This quickly brought Hadoop into the curriculum, and has since resulted in an extensive partnership with the National Science Foundation (NSF) which makes Google-hosted Hadoop clusters available for research and education worldwide. Beyond his work with Hadoop, he holds patents related to search quality and personalization, and spent a year working in Shanghai. Christophe earned his degree, and remains a visiting scientist, at the University of Washington.

## Tim Bray

Web guy, done a lot of work in search and http and markup languages and dynamic languages and so on. Read all about it at [tbray.org](http://tbray.org)

## Mark Brewer

Mark Brewer is Senior Vice President and GM of Enterprise Delivery at SpringSource. Brewer is a seasoned executive with more than 20 years of experience within the technology and software industry. Mark was previously CEO of Covalent Technologies, which SpringSource acquired in early 2008. Mark joined Covalent Technologies, the leading provider of support and services for Apache Software Foundation (ASF) open source projects, in late 2001 as Vice President of Field Operations and took over as CEO in early 2004. In this position, Mark was responsible for the day-to-day management of the company, including overseeing worldwide sales, marketing and business development initiatives. Mark holds a B.S. in Biology with minors in Chemistry and Computer Science from Western Washington University.

## Michael Busch

Michael Busch is a Software Developer at the IBM Silicon Valley Lab in San Jose, California. He is currently working on Enterprise Search applications, such as the OmniFind Yahoo! Edition. He has a Bachelor's Degree in Computer Science from the University of Paderborn, Germany. Michael is a committer on the Apache Lucene Java project.

## Jacopo Cappellato

Jacopo works as a software analyst for HotWax Media. Based in Italy, Jacopo began participating in the Apache Open For Business Project (OFBiz) in 2003 and is now a committer and member of the OFBiz Project Management Committee. Jacopo is also a member of the Apache Software Foundation. Prior to his involvement with HotWax Media, Jacopo participated in several ERP projects for his company, TAU Informatica. He graduated from the University of Padova with a B.S. in Computer Science Engineering.

## Vamsavardhana Reddy Chillakuru

Vamsavardhana Reddy Chillakuru a.k.a. Vamsi is an Advisory Software Engineer working with IBM India Private Limited since 1996 and has over 12 years experience in the IT industry. He is a committer on Apache Geronimo and Apache Tuscany projects and member of the Apache Geronimo PMC. He received his B.Stat.(Hons.) and M.Stat. degrees from Indian Statistical Institute, Kolkata, India in the years 1994 and 1996 respectively. His interests include application security in general and cryptographic security in particular. He is responsible for adding a Certification Authority portlet to Geronimo Administrative Console. His prior experiences include development of a Certification Authority using toolkits from RSA Security Inc., and developing SSL support in DB2 Java Common Client driver.

## John Coggeshall

John Coggeshall is the Chief Technology Officer at Automotive Computer Services, specializing in building Web 2.0 applications for the auto industry. He got started with PHP in 1997 and is the author of three published books and over 100 articles on PHP technologies with some of the biggest names in the industry such as Sams Publishing, Apress and O'Reilly. John also is a active contributor to the PHP core as the author of the tidy extension, a member of the Zend Education Advisory Board, and frequent speaker at PHP-related conferences worldwide. His web site, <http://www.coggeshall.org/> is an excellent resource for any PHP developer.

## Kevin Crowston

Kevin Crowston is a Professor in the School of Information Studies at Syracuse University. His current research interests focus on new ways of organizing made possible by the use of information and communications technology. He approaches this issue in several ways: empirical studies of coordination-intensive processes in human organizations; theoretical characterizations of coordination problems and alternative methods for managing them; and design and empirical evaluation of new kinds of computer systems to support people working together.

## Torsten Curt

Torsten Curt is an active member of the Apache Software Foundation developer community, as well as a technical writer. He has been around the Apache Cocoon project since version 1.7 and became a committer in 2001. With its creation he also became member of the Cocoon PMC. Although he has been involved in several other open source projects, his main contributions and publications are Apache related. Today he is also part of the Jakarta PMC, chair of the Commons PMC and a member of the Apache Software Foundation. In particular he is interested in the research of new technologies.

## Chris Custine

Chris Custine is a principal and co-founder of Organic Element, in addition to being a committer on Apache ServiceMix and a committer and PMC member on the Apache Directory Server project. Chris is dedicated to developing, promoting, and evangelizing enterprise class open source software from the Apache Software Foundation. In addition to his open source work, Chris is a veteran developer of integration middleware with a long history of experience in the financial services sector. Chris lives in Boulder, Colorado.

## Martijn Dashorst

Martijn Dashorst is a PMC member for the Apache Wicket project and a committer for the Incubator project. Martijn has presented Wicket at several conferences, including JavaOne, and JavaPolis. He works for Topicus, an application service provider for health care, financial and education institutions based in the Netherlands.

## Chris J. Davis

Chris is a Developer living in North Texas. Currently Chris is developer for Viewzi, the best little search startup that could, a core developer of the Habari Project and a published author.

## Bertrand Delacretaz

Bertrand Delacretaz works as a senior developer for Day Management AG (<http://www.day.com>), using open source tools to create world-class content management systems. Bertrand is a member of the Apache software foundation and has been or is involved in the Apache Cocoon, FOP, Sifr, Sling and Tika projects.

## Ate Douma

Ate Douma is Portal Architect at Open Source ECM vendor Hippo in The Netherlands. He is a member of the Apache Software Foundation and PMC member and committer for both Apache Portals (Jetspeed, Pluto, Bridges) and Apache Wicket. In addition, he is member of the Java Community Process Expert Group for JSR-286: Portlet Specification 2.0 and JSR 301: Portlet Bridge Specification for JavaServer Faces. Ate is also creator of the Apache Portals Struts Bridge and the portlet support in Apache Wicket. At Hippo, he is Project Lead for Hippo Portal, a Jetspeed-2 based portal adding full content management repository based navigation and aggregation.

## Lars Eilebrecht

Lars is co-founder and member of The Apache Software Foundation, and started contributing to the Apache web server project in 1997. In addition, he is the Vice President of the Conference Planning Committee, a member of the Apache Security team, and the Apache Public Relations committee. He has a degree in computer engineering from the University of Siegen, Germany, where he wrote his first book about the Apache web server. He held various senior engineering, consulting and management positions at various ISPs, mobile network providers and software development companies. Lars is also a member of the International Financial Cryptography Association. Currently he is working as a senior security officer for a software development company in Munich specializing in cryptographic research and development, and the operation of highly secure data centers.

## Tim Ellison

Tim Ellison has contributed to the implementation of Smalltalk, IBM VisualAge Micro Edition, Eclipse, and the Java SDK over a period of twenty years. He is chair of the Apache Harmony Project Management Committee, and is interested in new ways of applying technology to difficult problems.

## J. Aaron Farr

J Aaron Farr currently serves on the Apache Software Foundation board of directors and as the ASF's treasurer. He has contributed to the Avalon, Excalibur, Incubator and Labs projects. After developing J2EE and Eclipse RCP software for Sony Electronics and Siemens, he founded The JadeTower Corporation. Aaron currently resides in Hong Kong.

# Speakers

## Brian Fitzpatrick

Brian Fitzpatrick started his career at Google in 2005 as the first software engineer hired in the Chicago office. Brian leads Google's Chicago engineering efforts and also serves as engineering manager for Google Code and internal advisor for Google's open source efforts. Prior to joining Google, Brian was a senior software engineer on the version control team at CollabNet, working on Subversion, cvs2svn, and CVS. He has also worked at Apple Computer as a senior engineer in their professional services division, developing both client and web applications for Apple's largest corporate customers. Brian has been an active open source contributor for over ten years. He became a core Subversion developer in 2000, and then the lead developer of the cvs2svn utility. He was nominated as a member of the Apache Software Foundation in 2002 and spent two years as the ASF's VP of Public Relations. Brian has written numerous articles and given many presentations on a wide variety of subjects from version control to software development, including co-writing "Version Control with Subversion" as well as chapters for "Unix in a Nutshell" and "Linux in a Nutshell." Personal information can be found at <http://www.red-bean.com/fitz/>

## Erik Hatcher

Erik Hatcher is an Apache Software Foundation member, and an active committer on the Lucene and Solr projects. Erik has co-authored the award-winning book *Java Development with Ant* (Manning) and the well reviewed *Lucene in Action* (Manning). Erik has spoken frequently at industry conferences, including JavaOne, ApacheCon, OSCON, and the No Fluff, Just Stuff symposium circuit.

## Adam Heath

Adam Moved to Texas, USA from Michigan in 1998 at the age of 24. Started working for Brainfood in September, 1998, and has worked there since. Adam started programming as a teenager. Adam got involved with Debian GNU/Linux in December 1997. Still a member. Fixed several critical bugs in dpkg, ran it under profiling, and sped parts of it up orders of magnitude. Made debuggers use a hash directory layout. Have committed code into kaffe. Added support to OFBiz for automatically clearing out caches of view entities when the real entities are updated. Fell in love with Java Concurrency Programming in Practice; modified Webslinger to not be non-blocking in most areas. Added generics markup to base-line OFBiz.

## Olivier Heintz

Olivier Heintz is a French Applicative and Integration Architect dedicated to OFBiz solutions since 2003. He has managed multiple implementation projects and contributed to OFBiz and an OOTB (out of the box) extensions of OFBiz, and the development of OFBiz community in France. In 2004, he created "Nereide" a service and consulting company dedicated to Free Software ERP implementation in France. Previously he was a senior manager in CSC company, in charge of ERP – eAI integration and Baan technical integration teams. He has more than 20 years of experience in manufacturing IT management.

## Paul Holland

Program Manager in HP's Open Source Program Office

## Chris Hostetter

Chris Hostetter is a Apache Member who serves on the Lucene PMC. As a Principal Software Engineer at CNET Networks he has spent the last 9 years of his life thinking about searching "structured data" that is never as structured as it should be. If he is not sending typo-riddled emails to the Lucene-Java and Solr mailing lists, he is probably welding something shiny out of stainless steel and silicon bronze.

## Grant Ingersoll

Grant Ingersoll is a committer on the Lucene Java, Solr and Mahout projects and a member of the Lucene PMC. He has been developing commercial and research systems in Java for 11 years, many of which leverage Apache projects. Grant has used Lucene and Solr for implementing many different search and text-based application, including cross-language information retrieval (CLIR) systems, question answering (QA), sentiment analysis, collection analysis and customization applications. Grant is also a co-creator of the Apache Mahout project.

## Jim Jagielski

Jim's been active on the 'Net since the early 80's, starting as editor of the A/UX FAQ. He worked on the NCSA server and joined the Apache Group (as it was called back then) at a very early stage. He actively contributes on HTTPD, APR and Tomcat, but also hacks on other projects (ASF and others) as well in addition to mentoring many ASF incubator podlings. In addition to being a charter and core member of the ASF Jim serves as Director and Chairman for the foundation. His real job is as Chief Architect and Principal Software Engineer for the

Covalent Products Division of SpringSource. Previously, Jim served as CTO for Covalent Technologies, which was acquired by SpringSource in early 2008.

## David E. Jones

A co-creator of the Apache Open For Business Project (OFBiz), David is now the Vice President representing the project at the Apache Software Foundation. In addition to being heavily involved in the maintenance and development of the open source project, David has provided enterprise software architecture and development services based on OFBiz to organizations including British Telecom, United Airlines, and dozens of smaller organizations. David has presented on OFBiz at national and international conferences including JavaOne, SIPA (Thailand), and BIOS (Finland). He holds a Computer Science degree from Brigham Young University.

## Sally Khudairi

Active in the Web since 1993, Sally Khudairi is the publicist behind some of the industry's most prominent standards and organizations. The former deputy to Sir Tim Berners-Lee and long-time champion of collaborative innovation, she became involved with The Apache Software Foundation in 1999, and was elected its first female and non-technical member. Sally is chief executive of luxury brand communications consultancy HALO Worldwide.

## Paul King

Paul King has broad experience in both technical and managerial roles across the telecommunications and information technology industries. He has a passion for innovation and often assists organizations in bringing new technologies or processes into their development practices. He has been contributing to open source projects for more than fifteen years, has contributed to international standards, has won prizes for his research, has authored several books and is a frequent speaker at international conferences. His special interest areas are Java, Java EE, lightweight frameworks such as Spring, agile development, open source testing tools, XML and Web services, and dynamic languages such as Groovy.

## Colm MacCarthaigh

Colm is a member of the Apache Software Foundation and contributor to various Apache projects. By day he is Network Architect at Joost.

## Kito Mann

Kito D. Mann is editor-in-chief of JSFCentral ([www.jsfcentral.com](http://www.jsfcentral.com)) and the author of *JavaServer Faces in Action* (Manning). He is a member of several Java Community Process expert groups (including JSF and Portlets), and an internationally recognized speaker. Mann is also the Principal Consultant at Virtua, Inc., specializing in enterprise application architecture, training, development, mentoring, and JSF product strategy. He holds a BA in Computer Science from Johns Hopkins University.

## Brian McCallister

Brian McCallister is a programmer kind of person who loves that folks are willing to pay him to write code. He works as a Software Architect at Ning, a platform for building your own social websites. Brian has worked variously as a programmer, technical writer, and systems administrator for over a decade on projects ranging from telecommunications GIS systems to loom (weaving) control software, and as an English teacher and canoeing guide to boot. He is proud to be a Member of the Apache Software Foundation.

## Craig McElroy

## Felix Meschberger

Felix Meschberger works as a senior developer for Day Management AG (<http://www.day.com>) creating content management systems using open source and internal tools. Felix is a committer to the Apache Jackrabbit and Felix projects and contributed Apache Sling to the Incubator in September 2007.

## Brian Moon

Brian Moon has been working with the LAMP platform since before it was called LAMP. He is a programmer and systems administrator for dealnews.com. He has made a few small contributions to the PHP and Apache projects. He is the founder and lead developer of the Phorum project, the first PHP/MySQL message board ever created.

## Paolo Mottadelli

Paolo Mottadelli is a senior developer at SourceSense, Europe's leading Open Source systems integrator. He has been focusing on Open Source content management for five years, gaining a deep knowledge of world-class CMS solutions such as Magnolia, Hippo, and Alfresco ECM, as well as the JCR content repositories standard. Over the last two years, he has been designing complex architectures for document management, including documents capture, processing and indexing,

# Speakers

and enterprise workflow design. Mottadelli is an active committer and Project Management Committee member for the Apache POI project, involved in the development of its support for Office Open XML. As Sourcesense presales manager, he is committed to educating customers on Enterprise Open Source adoption. The three-time Italian national decathlon champion is currently in training, hanging out at tracks and fields worldwide.

## Debbie Moynihan

Debbie has extensive experience with the joys and challenges of the business aspects of open source. The FUSE Community ([www.fusesource.com](http://www.fusesource.com)) was created to help users adopt and deploy Apache ServiceMix, Apache ActiveMQ, Apache Camel, and Apache CXF in enterprise environments. The FUSE distributions are tested, certified versions of these popular Apache projects and are backed by world-class support and services. Progress Software employs many of the key committers to these projects. Prior to joining Progress Software, Debbie was responsible for Product Line Management for the WebSphere Process Integration portfolio. She has a B.S. in Mechanical Engineering and an M.S. in Management from MIT.

## Aaron Mulder

Aaron Mulder is the Chief Technical Officer of Chariot Solutions where he helps companies with their Java, J2EE, Rails, and Open Source architecture challenges. When not consulting, you can usually find him presenting at conferences and user groups, wrangling with JCP spec committees, working on his latest book, or hacking away at Apache Geronimo, ActiveMQ, ServiceMix, XBean, or OpenEJB. Along the way, he has contributed to many other projects including JBoss and PostgreSQL.

## Arun Murthy

Arun C. Murthy is a long-term contributor and committer on the Apache Hadoop project. <http://people.apache.org/~acmurthy/>

## Owen O'Malley

Owen O'Malley is a Software Architect in Yahoo's Grid Computing team and is the chair of the Hadoop PMC. He received his PhD in Software Engineering from University of California, Irvine.

## Brett Palmer

Brett has been developing software professionally for the past 15 years. He currently works as a software consultant helping companies and governments implement large ERP systems. He has been developing custom business applications using Open for Business (OFBiz) since 2002. For the 5 years, Brett has been working on several offshore projects combining software developers in the US with offshore teams working in India. Brett holds an Electrical Engineering degree and a Masters of Business Administration from Brigham Young University. He also holds a Masters in Computer Science from Utah State University.

## Simon Phipps

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](http://blogs.sun.com), based on Roller.

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 multiple free/open source software projects and is on the Advisory Board of GNOME and the China Open Source Promotion Union. He holds a degree in electronic engineering and is a Chartered Engineer and Fellow of the British Computer Society where he is on the committee of his local branch.

Simon lives in the UK with his family but is based in Silicon Valley in the US. With membership of airline frequent flyer clubs thus taken care of, he is free to indulge in his favourite pastimes of reading, writing poetry, collecting music, taking photographs and playing with cool toys. His personal home page and blog is <http://www.webmink.net> and Sun's Open Source home page is at <http://www.sun.com/opensource>. He can be reached via e-mail as [webmink@sun.com](mailto:webmink@sun.com).

## Brett Porter

Brett Porter is a Member of the Apache Software Foundation, serving on various project management committees since joining Apache Maven in 2003. He lives in Sydney, Australia and by day works as the Director for Product Development at Exist Global. He is the co-author of the book "Better Builds with Maven"

## Matthew Porter

### Sam Ramji

is the Senior Director of Platform Strategy leading Microsoft's platform strategy efforts across the company, including long-term strategic planning in the Windows Server and Tools organization. Sam's primary focus is to drive Microsoft's Linux and Open Source Strategy, working together with Microsoft technology development teams and open source communities to build interoperable solutions.

Prior to his current role at Microsoft, Sam was a Director of Emerging Business working on the Silicon Valley Campus where he managed relationships with Venture Capitalists and entrepreneurs. Prior to joining Microsoft, Sam led technical product strategy at BEA Systems, engineering teams building large-scale applications on Open Source software (at Ofoto.com) as well as hands-on development of client, client-server, and distributed applications on Unix, Windows, and Macintosh at prior companies.

Sam holds a Bachelor of Science degree in Cognitive Science from the University of California at San Diego, and is a member of the Institute for Generative Leadership.

### David Recordon

David Recordon is Open Platforms Tech Lead for Six Apart, the largest independent blogging company in the world. Recordon has played a pivotal role in the development and popularization of key social media technologies such as OpenID. In 2005, Recordon collaborated with Brad Fitzpatrick in the original development of OpenID, which has since become the most popular decentralized single-sign-on protocol in the history of the web. During a year and a half at VeriSign, Recordon played an active role in refining and evangelizing OpenID, bringing it from an experimental technology to one that's been endorsed by major companies ranging from AOL to Microsoft, and implemented for over 120 million identities on the web. Recordon's history with open source software and open standards stretches back to the beginning of his career, when as a sophomore in high school he volunteered his time to lead an open source message board project with over forty members worldwide. This interest led to his co-founding of a message board hosting provider that still services tens of thousands of users around the world, and that he has since sold. Recordon was recently recognized by Google and O'Reilly as the recipient of a 2007 Open Source Award for his efforts with OpenID and is the youngest recipient in the history of the award.

### Luciano Resende

Luciano Resende is a Senior Software Engineer at IBM Sillicon Valley and a commiter on the Apache Tuscany project. He has broad experience in eCommerce as well as workflow and portal. He worked as a Senior Consultant for eCommerce and ERP Integration projects for Brazilian top companies in various sectors. He also worked on Workflow and Portal projects for WPLC/Lotus in IBM. He is currently contributing to the Apache Tuscany project in the Service Component Architecture and Data Access Services areas. Some of Luciano's thoughts can be found on some blogs he contributes to, such as : <http://www-03.ibm.com/developerworks/blogs/page/lresende>, <http://lresende.blogspot.com>, <http://apache-tuscany.blogspot.com/> and <http://tuscanybrasil.blogspot.com/index.html>

### Matthieu Rio

Matthieu has been working for software editors and big banks as an engineer, consultant and freelancer for a little while. He's also been developing quite a bit of open source software both within and outside of the Apache Software Foundation.

### Ivan Ristic

Ivan Ristic is a web security specialist and the principal author of ModSecurity, an open source intrusion detection and prevention engine for web applications. His book, Apache Security (<http://www.apachesecurity.net>), is a concise yet comprehensive web security guide for administrators, system architects, and programmers. Ivan is an active participant in the web application security community, officer on the Web Application Security Consortium and the leader of the OWASP London Chapter.

### Phil Robb

Phil Robb is Chairman, and General Manager of FOSSBazaar.org; a website and community dedicated to improving the governance and adoption of free and open source software within enterprises, institutions, and governments. Phil is also a section manager at Hewlett Packard leading their Open Source Programs Office. In that role Phil manages several product development teams focused on open source solutions and governance including the FOSSology project. He is also a member of HP's Open Source Review Board which is the governing body within HP for all open source software usage and contribution.

# Speakers

## Craig L. Russell

Craig Russell is a senior staff engineer at Sun Microsystems. He is specification lead for Java Data Objects (JSR 12 and 243) and leads the implementation team for its reference implementation and technology compatibility kit. He is the architect of the Container Managed Persistence component of the J2EE Reference Implementation and Sun Java System Application Server. Craig is a member of the Apache Software Foundation, the chair of the Apache OpenJPA Project Management Committee, and a member of the Apache Incubator project responsible for bringing projects into Apache.

## Ed Samour

Ed Samour is a Senior Developer at Alexander Interactive. He brings over ten years of experience building Web applications that emphasize design and modern features to provide a great user experience. At Ai, Ed works with the design team to build award-winning Web sites for clients such as Vanity Fair, Ivanka Trump, Continental Airlines, and, most recently, Top 500 Internet retailer Action Envelope.

## Carlos Sanchez

Carlos Sanchez has been involved in Open Source for nearly ten years. He has specialized in solving a variety of business challenges in a wide variety of industries, including e-commerce, financial services, telecommunications, and software development. A member of the Apache Maven Project Management Committee (PMC), Carlos is one of the maintainers of the central Maven repository and a co-author of "Better Builds with Maven," the first book about Maven 2. He is currently Director at Exist Global in Los Angeles. Carlos received his Computer Engineering degree at the University of Coruña, Spain, and enjoys traveling and discovering new places.

## Ravi Saraswathamma

Ravi is a System Architect with AOL-Timewarner, fully integrated media and communications company. Prior to AOL-Timewarner, Ravi was a senior business consultant in BEA Systems. Ravi worked at BEA Systems on WebLogic and AquaLogic product line and was an Architect at Syntel Inc. His interests include Opensource containers, Java, production deployment architecture and software design. Ravi has spoken at a number of Java, BEA user group meetings and conferences.

## Thorsten Scherler

Thorsten is a committer and PMC member on the Apache Forrest and Lenya project. He is the leading developer of Apache Droids. Thorsten uses ASF products professionally for customer projects and teaching classes.

## Theo Schlossnagle

Theo Schlossnagle is a Principal Consultant at OmniTI Computer Consulting where he designs and implements scalable solutions for highly trafficked sites and other clients in need of sound, scalable architectural engineering. He is author of Scalable Internet Architecture published by Sams. Theo is the author and maintainer of the `mod_backend` load-balancing module for Apache, an author and maintainer of the Wackamole IP failover tool, and the initiator of the Backhand Project and an active participant in a plethora of open source projects.

## Henning Schmiedehausen

Henning Schmiedehausen is a team member on a number of Apache Java projects. He works as a freelance consultant, architect and software developer using the J2EE platform and admits under torture that he can program in PHP and perl. When not sitting in front of a computer, Henning enjoys traveling with his wife around the world, sports (both active and passive) and moonlights as a 11th level barbarian at his local D&D group. He currently has the pleasure of serving as a board member and a director of the Apache Software Foundation.

## Ean Schuessler

Ean Schuessler is co-founder, with his brother Erik Schuessler, of Brainfood, Inc., a Dallas, Texas-based digital media consultancy. He is a long-time participant in the Debian project and collaborated in the creation of the Debian Social Contract which inspired the Open Source Definition. Schuessler also served as President of Software in the Public Interest, an umbrella organization that holds property and provides other services for Debian and other Free Software organizations.

## Saumil Shah

Saumil continues to lead the efforts in security research at Net-Square. Saumil has had more than ten years experience with system administration, network architecture, integrating heterogeneous platforms, and information security and has performed numerous ethical hacking exercises for many significant companies in the IT area. Saumil has been a regular speaker and trainer at conferences such as Blackhat, RSA, Hack-in-the-Box, IT Underground, CanSecWest, EUsecWest, Hack.LU, etc. Previously, Saumil held the position of Director of Indian operations at

Foundstone Inc. and a senior consultant with Ernst & Young. Saumil has also worked at the Indian Institute of Management, Ahmedabad, as a research assistant. Saumil graduated from Purdue University with a master's degree in computer science and a strong research background in operating systems, networking, information security, and cryptography. He got his undergraduate degree in computer engineering from Gujarat University, India. Saumil is a co-author of "Web Hacking: Attacks and Defense" (Addison Wesley, 2002) and is the author of "The Anti-Virus Book" (Tata McGraw-Hill, 1996).

## Amit Shinde

Amit Shinde is the founder and CEO of Amicon Technologies Pvt. Ltd., a Mumbai, India-based software services company. Amicon provides high-quality, low-cost OFBiz development and maintenance services. Amit did Electronics Engineering from Mumbai University, Masters in Computer Science from Utah State University and Executive-MBA in International Business and Finance from ITM, Mumbai. Amit worked as a Software Engineer for a Utah-based startup and setup their development branch in Mumbai from ground up. Amit and his team of OFBiz developers work closely with US and UK-based clients in providing OFBiz services. Amit has been an active member of the OFBiz community and an OFBiz developer for the last 6 years. Amit loves every aspect of Open Source philosophy and OFBiz tops them all.

## Noirin Shirley

Noirin Shirley is a jack of all trades, and a master of several. A technical writer by day, Noirin started working on documentation for the Apache httpd project while at university, and finding she still had time on her hands, trained as an ambulance attendant with the St John Ambulance Brigade. She is actively involved in Open Source efforts in Ireland, a founder member of Digital Rights Ireland, and a Director of her local branch of the System Administrators' Guild. Her hobbies include harp playing, (proof) reading and Wii Bowling.

## James Smith

James Smith is the inaugural digital humanities lead developer for the Texas A&M University College of Liberal Art. As lead developer, he is spearheading programming efforts as well as providing tutorials, workshops, and other resources to faculty interested in digital humanities. James received his B.S. in Physics and Mathematics from TAMU in 2001. He has completed all but thesis for a creative writing M.A. in English. In his current position, James is an active Perl module developer and can be found most days on #moose and other venues.

## James Snell

James Snell is a software engineer in IBM's Technology and Innovation Group. He is an active contributor and original developer of the Apache Abdera project, participated in the development of the Atom standards, is the primary developer and administrator of IBM's internal blogging environment, implemented the Atom publishing protocol support in the Lotus Connections Blogs and Activities components, and generally enjoys writing lots of code.

## Bruce Snyder

Bruce Snyder is a veteran of enterprise software development and a recognized leader in open source software. Bruce has experience in a wide range of technologies including Java EE, Enterprise Messaging and Service Oriented Integration. In addition to his role as a principal with Organic Element, Bruce is also an Apache Member, a co-founder of Apache Geronimo and a developer for Apache ActiveMQ, Apache Camel, Apache ServiceMix. Bruce serves as a member of various JCP expert groups, is the co-author of Professional Apache Geronimo, Beginning Spring Framework 2 both from Wrox Press and is currently co-authoring Apache ActiveMQ In Action for Manning Publications. Bruce lives in beautiful Boulder, Colorado with his family.

## Scott Stanlick

Co-author of Struts 2 in Action (Manning)  
Currently Instructing:

- Principles of Object Technology
- Object Oriented Analysis & Design
- Java SE
- Java EE
- Software Design Patterns
- Test Driven Development
- Building Web Apps using Struts/2
- Eclipse/MyEclipse
- JFC/Swing

# Speakers

## Phil Steitz

Phil Steitz is Chief Information Officer of Barclaycard US. Prior to that, he was CTO at American Express. Phil is an ASF Member who works on Apache Commons.

## Petar Tahchiev

Petar Tahchiev has been doing a lot for the open-source communities for the past three years. He has submitted patches for Ant, Maven, Cargo and other open-source projects. He is also the lead developer of the Jakarta Cactus project, and also a PMC for the Jakarta Project. He has a three years of teaching experience at the Sofia University, where he taught Java Programming, Mathematical Calculus and Algebra. He is also a constant lecturer on some of the biggest open-source conferences in Bulgaria (OpenFest, WebTECH), and worldwide (ApacheCon, CommunityOne). Besides, he works as an IT consultant at HP, leads the Bulgarian Java User Group (<http://java-bg.net/>) and keeps a blog at <http://weblogs.java.net/blog/paranoiabla/>

## Sander Temme

Sander Temme is an Enterprise Solutions Engineer for a security company whose clients include Fortune 500 companies, financial services companies and government agencies. He is a member of the Apache Software Foundation and is active in the httpd, Infrastructure and Gump projects. Sander is owned by Murphy, the wonder cat.

## Mark Thomas

Mark has been using and developing Tomcat for over five years. He first got involved in the development of Tomcat when he needed better control over the SSL configuration than was available at the time. After fixing that first bug, he started working his way through the remaining Tomcat bugs and is still going. Along the way Mark has become a Tomcat committer and PMC member, volunteered to be the Tomcat 4 release manager, created the Tomcat security pages, became a member of the ASF and joined the Apache Security Committee. He also helps maintain the ASF's Bugzilla instances. Mark has a MEng in Electronic and Electrical

Engineering from the University of Birmingham, UK and is currently a Senior Software Engineer with the Covalent Products Division of SpringSource.

## Bjorn Townsend

After ascending from the depths of closed-source network appliance development and network engineering support, Bjorn Townsend is currently employed by SourceLabs Inc. developing tools to help support open source in the enterprise, as well as doing direct support of certain open source Java frameworks. He became a committer on Apache Axis 1.x in November 2007, and is overseeing the retirement of that project. He's also a frequent contributor to Apache Commons and Apache Jakarta Taglibs.

## Dirk-Williem van Gulik

Dirk-Willem van Gulik has been President of the Apache Software Foundation and Board Member during the first 7 years of its existence. He spent the past 20 years on Internet engineering, consulting and projects management, and has worked for the JRC, the United Nations, telecommunications firms and several satellite and space agencies. He participated in different international standards bodies, such as the IETF, and on metadata, GIS and Internet standards. He helped build Covalent – one of the first companies supporting Apache commercially. Dirk-Willem is one of the founders of [www.asemantics.com](http://www.asemantics.com), a leader in Enterprise Information. He then helped found Joost.com – and as their CTO built the first two generations of their products. He currently is the Chief Technical Architect at the BBC Public Service – helping the Future Media and Technology group build new internet technology platforms.

## Christian Wenz

Christian Wenz is an author, trainer and consultant with a focus on web programming. He is author or co-author of over six dozen books, among them the PHP Phrasebook and JavaScript Phrasebook (both Sams Publishing). Christian regularly writes for renowned IT magazines and speaks at developer conferences around the globe. He maintains or co-maintains several PEAR packages and is co-author of the PHP 5 Zend certification and founding principal at the PHP Security Consortium.

## Tom White

Tom is a committer on the Apache Hadoop project, and a member of the Hadoop PMC. He works as an independent consultant specializing in Hadoop and distributed computing. He has written numerous articles for O'Reilly, java.net and IBM's developerWorks, and spoken at various conferences. Tom has a Bachelor's degree in Mathematics from the University of Cambridge and a Master's in Philosophy of Science from the University of Leeds, UK.

## Geoffrey Young

Geoffrey Young is a member of The Apache Software Foundation, current chair of the mod\_perl PMC, and lead author of the mod\_perl Developer's Cookbook. He currently is a Senior Software Engineer for Ticketmaster. When not programming or writing he is busy spending time with his wife and growing family, slowly rebuilding their house a room at a time.

## Carsten Ziegeler

Carsten Ziegeler is senior developer for JEE and portal applications at Day Software. He is a member of The Apache Software Foundation and has been participating in several open source projects for more than fifteen years. Carsten is a member of several Apache communities and project management committees like Cocoon, Felix, Sling, Excalibur and Portals.

## Jukka Zitting

Jukka Zitting has worked with open source content management for over ten years and has been focusing on content repositories and related technologies after joining the Apache Jackrabbit project three years ago. Jukka is a member of the Apache Software Foundation and serves currently as the chair of the Apache Jackrabbit PMC.

think

“...before you send that flame.”

“...about Sponsoring Apache.”

“...on how community should work.”

“...about the other person's shoes.”

*“Those who would give up essential Liberty, to purchase a little temporary Safety, deserve neither Liberty nor Safety.”* ⇒ Benjamin Franklin, 1755



# USE THE SOURCE, LUKE.

**HOTWAX MEDIA & APACHE OPEN FOR BUSINESS:  
OPEN SOURCE ERP AND ECOMMERCE DONE RIGHT.**



**W**ith the expertise to fully leverage open access to the OFBiz source code on behalf of our Clients, HotWax Media brings open source enterprise ERP and eCommerce to market at significantly lower total project cost. And did we mention that you customize the software to meet your business needs, and not the other way around? Embrace the future of business process automation, and **May The Source Be With You.**



# ApacheCon US 2008



**Leading the Wave of Open Source**

---

**The Official User Conference of  
The Apache Software Foundation**

**Thank you for helping us make  
ApacheCon US 2008 a great success!**

**We look forward to welcoming you to our future**

## **BarCampApache China**

**Beijing • 4-5 December, 2008**

<http://www.apachecon.com>

## **ApacheCon Europe 2009**

**Amsterdam • 23-27 March, 2009**

<http://www.eu.apachecon.com>

## **ApacheCon US 2009**

**Oakland, CA • 2-6 November, 2009**

<http://www.us.apachecon.com>

**2009: Celebrating the 10th Anniversary of the ASF!**