

Saturday March 19, 2005 at MIT room 34-101
MySQL Technical Overview
Hans Zaubere

MySQL is the 'M' in LAMP, the popular open source application stack that comprises Linux, Apache, MySQL and any one or more of PHP, Python or Perl. This seminar will focus on MySQL under the hood and its unique storage engine architecture. By utilizing a modular design, MySQL server provides solutions that meet different technical requirements such as those typical of high volume web sites, OLAP/OLTP applications or clustering environments. This seminar will also introduce database users to the enterprise features available in MySQL. Attendees will learn how to use MySQL in their environments. Attendees will also learn about the upcoming release of MySQL 5.0.

Who Should Attend ?

This technical overview will in particular benefit system architects and those who are new to MySQL. Software managers, CTOs, programmers and DBAs will also benefit from learning about some advantages of MySQL.

Seminar Topics

- MySQL Company and Open Source Overview
- Basic MySQL Architecture
- Storage Engine Review
- Conclusion

Lecturer

Hans Zaubere is a sales engineer and consultant at MySQL, Inc. His role in MySQL, Inc. gives him the opportunity to deliver mission critical management and architectural guidance for Fortune 500 companies. He has established several core development communities such as New York PHP and AMP Technology. He is also on the Board of Advisors for the New York City BSD User Group. Mr. Zaubere leverages technology and open source for businesses worldwide.

Session Chair: Jim Byrd byrd@acm.org

Seminar Book Offers:

MySQL Certification Study Guide By Paul DuBois, Stefan Hinz, Carsten Pedersen List: \$49.95 PDS Price: \$35	Publisher: SAMS Publishing
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Saturday April 9, 2005 at MIT room E51-345
Java Gems: Ant, Tapestry and Lucene
Erik Hatcher

While the Java language is fun, friendly, and easy to learn, to successfully build sophisticated applications, a Java developer needs to keep up with the alternatives available from the open-source landscape. This tutorial focuses on three open-source Java projects, namely, Ant, Tapestry and Lucene. Ant is the de facto Java build tool, automating steps of the development process such as unit testing, documenting, reporting, packaging and deploying. This tutorial covers the basics, tips and tricks, as well as best practices of building a web application. Tapestry is the premiere Java-based web framework. Tapestry facilitates true component-oriented web development. Those who are familiar with the plumbing behind sophisticated web interfaces will be pleased at the speed at which a web application can be produced using this framework. Lucene is a very fast and scalable search engine that can be embedded into an application.

Who Should Attend ?

Developers with some experience in object-oriented programming. Java developers will be right at home. C# or ASP.NET developers will benefit from seeing the best of breed Java solutions. Development managers will benefit from learning the streamlined development possibilities.

Seminar Topics

- Java development best practices
- Tapestry - web framework
- Ant - build tool
- Lucene - search engine

Lecturer

Erik Hatcher is an Apache Software Foundation member and committer on several projects including Ant, Tapestry, and Lucene. He co-authored two well-received books on Ant and Lucene. Erik has written articles for several publications, including java.net, JavaPro, and IBM developerWorks. He frequently presents at conferences such as JavaOne, O'Reilly Open Source Convention, Open Source Content Management Conference, the No Fluff, Just Stuff symposiums, and Java User Groups. Erik is a developer at the University of Virginia's Applied Research in Patacriticism department.

Session Chair: Lena Lau lenalau@acm.org

Seminar Book Offers:

Java Development with Ant By Erik Hatcher, Steve Loughran List: \$44.95 PDS Price: \$30	Publisher: Manning Publications
Lucene in Action By Otis Gospodnetić, Erik Hatcher List: \$44.95 PDS Price: \$30	Publisher: Manning Publications
Tapestry in Action By Howard M. Lewis Ship List: \$44.95 PDS Price: \$30	Publisher: Manning Publications



Saturday April 30, 2005 at MIT room 34-101
**Model-Oriented Architectures and Frameworks
for Swing-based User Interfaces**
Dan Jacobs

Building complex, functional, scalable, user-friendly, and robust user interfaces is a difficult task. The two most important jobs of any user interface are maintaining a high level of confidence from the user, and performing the right work in cooperation with the back-end of the application. Good model-oriented approaches to user-interface design and implementation, in conjunction with good supporting frameworks, help to address both of these concerns by providing consistency and reliability in the interface itself, and coordinated separation of front-end and back-end logic. Swing is based on a variation of the Model-View-Controller (MVC) design pattern, but the models and controllers in Swing's world are not application models and application controllers. Model-oriented architectures expose another level of MVC in which Swing is used to implement the view, while the application models and controllers are expressed in the language of the application. This presentation explores this higher level and examines practical ways to build world-class user interfaces using Java and Swing.

Who Should Attend ?

Experienced object-oriented software developers who want to learn how to build better desktop-style user-interfaces with a lot less effort. Familiarity with event-driven user-interface development is useful. Familiarity with Java and Swing, while useful, is not essential.

Seminar Topics

- Object-oriented design patterns for structuring model-oriented user-interface design
- Concrete approaches for implementing viewers.
- Tips and tricks to use Swing effectively
- Concrete approaches for data validation

Lecturer

Dan Jacobs has an M.S. in Software Engineering and over 20 years of experience as an architect and developer of object-oriented software. Dan started ModelObjects Group in 1995 (originally Tech Tonic Netsystems), as an independent consulting company specializing in providing assistance in all areas of Java architecture and development for the Boston area software community. Dan is also the President of JPlates Inc., which provides commercial software tools for object-oriented development of web applications and code-generation applications. In addition, Dan has served as the chairman of the Boston area ACM WebTech chapter since 1997.

Session Chair: Peter Mager p.mager@computer.org

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MySQL Technical Overview	\$80	\$90	
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Java Gems: Ant, Tapestry and Lucene	\$80	\$90	
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Lucene in Action	\$44.95	\$30	
Tapestry in Action	\$44.95	\$30	
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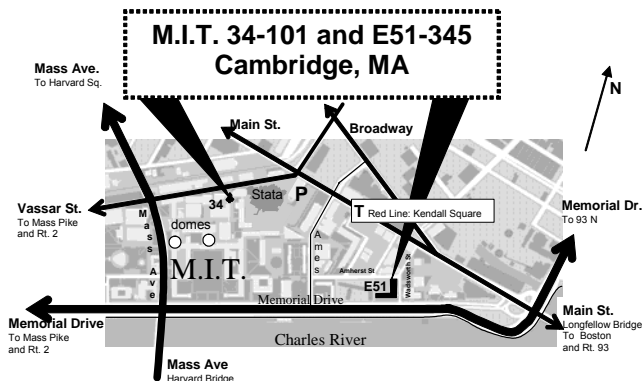
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Directions to MIT



Building 34 is located on Vassar Street about halfway between Main Street and Massachusetts Ave. It is a small square building turned 45 degrees to the street so it may look like a diamond, especially with a glass atrium entrance. Building 34 is set back a few yards from the street and the line of other buildings. It is between buildings 36 and 38.

Building E51 is the Tang Center. The street address is 70 Memorial Drive. It is located at the north west corner of Memorial Drive and Wadsworth Street.

Parking:
There are metered parking spots on Vassar Street and free parking spots on the north side of Memorial Drive. There is also a commercial parking lot at the intersection of Vassar Street and Mass Ave. There is another commercial garage on Ames Street, behind Legal Seafood.

Public Transportation:
Red line to Kendall Square. Walk west on Main Street and turn left onto Vassar Street for building 34. Walk east on Main Street and turn right onto Wadsworth Street for building E51.

General Information

Schedule

8:30 am	-	9:00 am	Registration (continental breakfast)
9:00 am	-	12:15 pm	Morning session (break ~ 10:30am)
12:15 pm	-	1:30 pm	Lunch (provided on-site)
1:30 pm	-	4:30 pm	Afternoon session (break ~ 2:30pm)
5:30 pm	-	7:30 pm	Optional Dinner with Speaker (self pay)

Registration Fees

Seminar materials, lunch, and refreshments are included in the \$80 fee. Registrants not current members of the GBC/ACM are charged an additional \$10, and become members of the chapter for a year. This is distinct from ACM membership. Surcharge for on-site registration is \$10. Purchase orders, faxes and e-mail cannot be accepted. Early registration must be made by mail with a check or money order, or on-line with a credit card at:

<http://www.gbcaacm.org/registration>

Payment for on-site registration can only be made by cash or check. Enrollment is limited and on a first-come, first-served basis. To receive confirmation from GBC/ACM, register at least three weeks in advance of the seminar.

Cancellation & Refund Policy

Cancellations must be received in writing. The full seminar fee will be refunded if the PDS Registrar receives written notification before the start of the seminar, addressed to:

GBC/ACM
PO Box 465
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Refund requests received after the seminar date will be subject to a \$15 administrative fee. The \$10 membership fee will not be refunded.

If the books are not available at the time of the seminar, the amount prepaid for the book will be courteously refunded.

Questions

For the latest update, see: <http://www.gbcaacm.org> or call: (781) 862-1181