



## Virtual Developer Day—MySQL

Get the technical know-how and essential skills to succeed with the world's most popular open source database through presentations and hands-on labs.

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### APAC – July 31<sup>st</sup> –

Mumbai 10:30 a.m. (GMT +5:30) – 2:30 p.m.

Singapore 1:00 p.m. (GMT +8:00) – 5:00 p.m.

Sydney 3:00 p.m. (GMT +10:00) – 7:00 p.m.

12:45 PM	Platform Opening	
1:00 PM	Keynote: What's New in MySQL	
	<b>Track 1</b> <b>MySQL Essentials</b>	<b>Track 2</b> <b>MySQL Deep Dive</b>
1:30 PM	Session: MySQL Essentials - Learn MySQL Basics in 45 Minutes	Session: New InnoDB Features in MySQL 5.6
2:15 PM	HOL: Getting Started with MySQL	Session: Profiling with MySQL Performance Schema
3:15 PM	Session: MySQL Backup – From Strategy to Implementation	Session: MySQL and Hadoop – Big Data Integration
4:00 PM	HOL: Getting Started with MySQL Replication	Demo: Monitoring in Action – The MySQL Enterprise Monitor
5:00 PM	Event Close	

**\* Homework – Please install and set up the HOL for whichever track you want to attend before hand so you get the most out of this event. Instructions can be found on the event wiki - <https://wikis.oracle.com/display/otnvddmysql/Pre-Event+Checklist>**

## Abstracts

### **Keynote: What's New in MySQL**

Andrew Morgan, Product Management Director, Oracle MySQL

In this keynote you'll discover the latest product updates and new features delivered by the MySQL engineers at Oracle. MySQL 5.6 is the latest GA release of the world's most popular open source database and provides a new, advanced feature set designed to enable those who are building the next generation of web, embedded and cloud-based applications and services. In addition, the latest release of MySQL Cluster enables developer agility by making it simpler and faster to enhance new services with a highly scalable, fault tolerant, real-time database. Attend the keynote session and learn all the improvements in MySQL!

### **Session: MySQL Essentials - Learn MySQL Basics in 45 Minutes**

Craig Sylvester, Principle Sales Consultant, Oracle MySQL

Are you new to MySQL and need to learn the basics to start developing or managing MySQL applications? MySQL, the world's most popular open-source database, powers today's most demanding websites, business-critical systems, and packaged software—including industry leaders such as Facebook, Google, Alcatel-Lucent, Nokia, YouTube, and Zappos.com. In this session, we'll cover the essential elements you need to know to get your MySQL databases and applications up and running.

### **HOL: Getting Started with MySQL**

Ligaya Turmelle, Principle Technical Support Engineer, Oracle MySQL

This hands-on lab is for new users of MySQL as well as DBAs unfamiliar with MySQL. In this session, attendees will learn the MySQL architecture as well as how to install and configure the MySQL server, and how to query and back up the database. The instructor will also describe key commands and common problems.

### **Session: MySQL Backups – From Strategy to Implementation**

Mike Frank, Product Manager, Oracle MySQL

It goes without saying that almost everyone knows they need to backup MySQL data, and the risks you are running if you don't. All too often it is the time to determine and perform the steps towards the implementation of a consistent, efficient, high performance solution to backup, and preparation to restore, that just do not happen. You'll also want a solution that you don't have to change over time as your database grows in size. Good news, it's not that hard and we can give you a good jumpstart in just 45 minutes.

In this session we will show you the steps to follow to create your backups, including what types of backups to schedule and when, and how to recover. We will not cover all possible options but keep it simple and show you what works. We'll use MySQL backup tools with reusable examples and scripts, going over download, installation, creating scheduled backups, and stepping through recovery.

### **HOL: Getting Started with MySQL Replication**

Ben Krug, Senior Technical Support Engineer, Oracle MySQL

MySQL replication is one of the most popular and powerful features of MySQL. Replication is used as a foundation for scaling out MySQL across commodity hardware and for high availability. But how do you get started and how does it work? During this hands-on lab, we will go through the key steps to set up a simple replication topology and share best practices.

### **Session: New InnoDB Features in MySQL 5.6**

Jimmy Yang, Principle Software Engineer, InnoDB, Oracle MySQL

The latest MySQL 5.6 GA release includes an impressive number of highly anticipated InnoDB features, including:

- Online operations for better availability
- Transportable tablespace for portability
- Memcached protocol support for NoSQL access
- Full-text search support
- Additional performance and scalability enhancements

During this session, we will give an overview of those new InnoDB features in MySQL 5.6, as well as the benefits you can get from fully leveraging those features.

### **Session: Profiling with MySQL Performance Schema**

Mark Leith, Software Development Senior Manager, Oracle MySQL

The Performance Schema feature was introduced in MySQL 5.5 and has been greatly enhanced in the MySQL 5.6 GA release. It exposes a new wealth of instrumentation, to DBAs and developers alike, that enable you to find answers to many of the questions that have been impossible, or more difficult than necessary, to answer in the past. Come to this session to learn how to set up and use Performance Schema to perform everyday profiling and performance monitoring tasks, such as finding problem queries; researching blocked hosts; profiling I/O usage; analyzing resource usage by schema, table, or user; or tracing a session to see exactly where it spends its time.

### **Session: MySQL and Hadoop – Big Data Integration**

Neha Kumari, Software Developer, Oracle MySQL

Shubhangi Garg, Software Developer, Oracle MySQL

Join this session to learn how integrating MySQL with Hadoop enables organizations to gain deeper insights into their customers, partners, and business processes, asking questions of their data that were never previously possible.

As the world's most popular open source database, and the most deployed database in the web and cloud, MySQL is a key component of many big data platforms, with Hadoop vendors estimating 80% of deployments are integrated with MySQL. In this presentation we'll explore how users can unlock the value of big data with technologies that enable seamless, high performance integration between MySQL and the Hadoop platform, discussing:

- The lifecycle of Big Data, from acquisition through loading, analysis and delivering operational insight
- Tools and technologies to integrate MySQL with Hadoop, including the new MySQL Applier for Hadoop
- Best practices in data analysis

This will be an informative session for anyone exploring integration between Hadoop and external data sources.

### **Demo: Monitoring in Action – The MySQL Enterprise Monitor**

Lynn Ferrante, Principle Sales Consultant, Oracle MySQL

The MySQL Enterprise Monitor continuously monitors your MySQL servers and alerts you to potential problems before they impact your system. It's like having a "Virtual DBA Assistant" at your side to recommend best practices to eliminate security vulnerabilities, improve replication, optimize performance and more. As a result, the productivity of your developers, DBAs and System Administrators is improved significantly. In this session, Lynn Ferrante, Principle MySQL Sales Consultant, will present an overview of MySQL Enterprise Edition, and demonstrate the capabilities of MySQL Enterprise Monitor. Attend the talk and see the power of MySQL Enterprise Monitor yourself!