

# Sun Microsystems MySQL Performance Tuning

23 – 26 November 2009 (Mon – Thu)

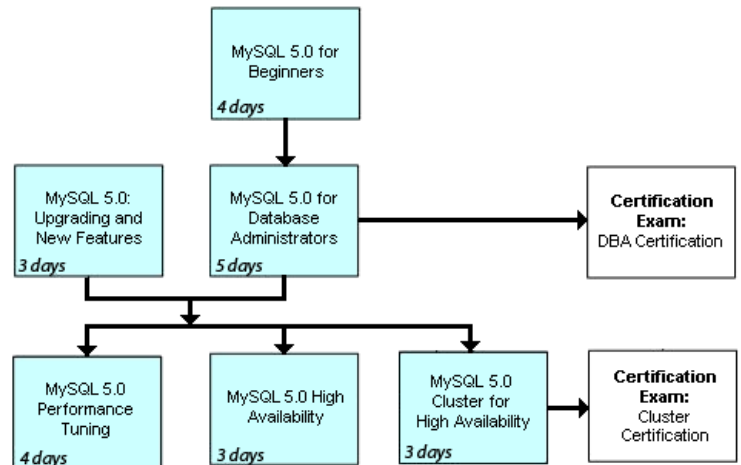
40105599

## Nature and Objectives

- Do you need to manage an increasing amount of data in your MySQL applications?
- Do you want to monitor, diagnose problem areas and tune MySQL for optimal performance?
- Do you want to write queries that take advantage of the MySQL performance enhancements dealing with queries and indexing?
- Do you want to evaluate the application architecture for efficient design, structure, caching, number of connections and other factors affecting performance?

Then **MySQL Performance Tuning** is the class for you! The MySQL Performance Tuning course is designed for Database Administrators and others who wish to monitor and tune MySQL.

This course will prepare each student with the skills needed to utilize tools for monitoring, evaluating and tuning. Students will evaluate the architecture, learn to use the tools, configure the database for performance, tune application and SQL code, tune the server, examine the storage engines, assess the application architecture, and learn general tuning concepts.



## Who Should Attend

- Database Administrators who currently maintain MySQL server(s)
- Database developers and programmers who currently design and/or interact with MySQL database(s)
- System Administrators whose systems currently interact with MySQL server(s) or who also work with MySQL Administrators

## Prerequisites

Students who wish to attend this course, should have attended the [MySQL for DBAs](#) course or have similar knowledge:

- Have previously worked with a MySQL Server instance and database
- Have working knowledge of MySQL architecture
- Can use MySQL tools to connect to the MySQL Server
- Understands different methodologies for modeling database structures
- Have knowledge of general SQL statement structure and basic SQL tuning principles
- Can define table structures, Index structures, constraints and other objects
- Can state general knowledge of hardware and OS

## Medium of Instruction

Cantonese with English terminology.

## Duration

4 Days

## Date & Time

23 – 26 Nov 2009 (Mon - Thu)  
9:30a.m. – 5:00p.m.

Jointly Organised By:



## Course Fee

HK\$7,800 per participant

## Venue

1/F., Hong Kong Productivity Council, HKPC Building, 78  
Tat Chee Avenue, Kowloon Tong, Kowloon  
(Kowloon Tong MTR Exit C, KCRC Exit)

Please circulate this leaflet to those who are interested



## Course Contents

- Develop a tuning strategy
- Display knowledge of MySQL architecture
- Display knowledge and ability to use diagnostic tools
- Display knowledge and ability to use tuning tools
- Write queries against the INFORMATION\_SCHEMA database and be able to decipher the metadata obtained
- Understand the relational database model and both the positive and negative implications on performance
- Display, decipher and edit server configuration variables to improve performance of your applications
- Display and analyze status variables to ensure that their applications are utilizing the settings in the most effective manner
- Write queries that take advantage of the MySQL performance enhancements dealing with queries and indexing
- Decide which of the storage engines could be used in their specific application needs
- Evaluate the application architecture for efficient design, structure, caching, number of connections and other factors affecting performance
- Evaluate hardware and OS for effects on performance
- Evaluate techniques for loading data into the database and effects on performance

## Application

To enrol, please complete the attached enrolment form and send it together with the appropriate fee to Productivity Training Institute, 3/F., the Hong Kong Productivity Council, HKPC Bldg., 78 Tat Chee Avenue, Kowloon Tong, Kowloon, Hong Kong. Attention: ICT & Logistics Unit.

[All cheques should be crossed and made payable to the "Hong Kong Productivity Council".]

## Enquiries

Please call Ms. Kwok at (852) 2788-6271, Ms. Lo at (852) 2788-6267, fax (852) 2788-6260 or email: fannie@hkpc.org  
Website: <http://www.hktrainingonline.com>



Hong Kong  
Productivity Council  
香港生產力促進局

## Enrolment Form

(\*Please delete whichever inappropriate)

1. Course / Seminar **MySQL Performance Tuning**  
Course Code **40105599** Fee **HK\$7,800** Duration **23 – 26 Nov 2009 (Mon – Thu)**
  2. Name (Mr/Mrs/Ms\*) \_\_\_\_\_  
Mobile/Pager \_\_\_\_\_ E-mail Address \_\_\_\_\_
  3. Organisation \_\_\_\_\_ Position \_\_\_\_\_  
Mailing Address \_\_\_\_\_  
Tel. (Day) \_\_\_\_\_ (Night) \_\_\_\_\_ Fax \_\_\_\_\_
  4. Payment Method: Enclosed is my cheque of HK\$ \_\_\_\_\_, Cheque No. \_\_\_\_\_ (The cheque has to be crossed and made payable to the "Hong Kong Productivity Council"). \*\* For cheque payment, please send the cheque for the appropriate fee with this completed form to Productivity Training Institute, 3/F., Hong Kong Productivity Council, HKPC Building, 78 Tat Chee Avenue, Kowloon. Attention: ICT & Logistics Unit. For reservation only, please fax this completed form to (852) 27886260.
- Signature \_\_\_\_\_ Date \_\_\_\_\_

### IMPORTANT:

1. Course fee must accompany this form (or its photocopy), otherwise enrolment may be rejected.
2. HKPC has adopted a Personal Data (Privacy) Policy. Information about the policy is available at HKPC enrolment counters for collection. You may also contact our Personal Data Controlling Officer for further details.
3. Applicants are encouraged to pay by credit cards, EPS or cheques, if possible. Amount received will be imprinted. Cheques are subject to bank clearance.
4. Enrolment fee is not refundable unless HKPC is notified in writing of your withdrawal at least 5 working days before the course commences. A handling charge of HK\$200 will also be levied.
5. An applicant may, subject to approval from HKPC, nominate a person to attend the course on his/her behalf.
6. HKPC reserves the right to reject any application in any circumstances and for whatever reasons. Payment of fees should only be construed as conditional acceptance of application
7. HKPC reserves the right to change the contents, venue and / or time as necessary.
8. Classes in the morning, afternoon or evening will be cancelled if typhoon signal No. 8 or above OR black rainstorm warning is still hoisted after (or is announced by the Hong Kong Observatory to be hoisted at/after) 6:00a.m., 11:00a.m. and 4:00p.m. respectively. Participants will be notified when the class will be made up as soon as possible.

If you do not wish to receive such message from us, please call Ms. Lo at 2788-6266 or Ms. Kwok at 2788-6271, so that we can stop sending you our message in future.