



数据库应用

第2章 MySQL入门



WAMPServer最佳配置



MySQL的图形用户管理工具

WAMP与LAMP

WAMPServer 安装

WAMPServer的关键配置



MySQL的图形用户管理工具



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MySQL数据库本身没有提供方便的图形管理工具，日常管理和维护如果都通过命令行完成，那么数据库的开发和维护工作都将沉浸在黑色的终端世界里。

```
Enter password: ***
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 3
Server version: 5.7.23 MySQL Community Server (GPL)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show database
-> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds
for the right syntax to use near 'database' at line 1
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql      |
| performance_schema |
| sys       |
+-----+
4 rows in set (0.01 sec)

mysql>
```



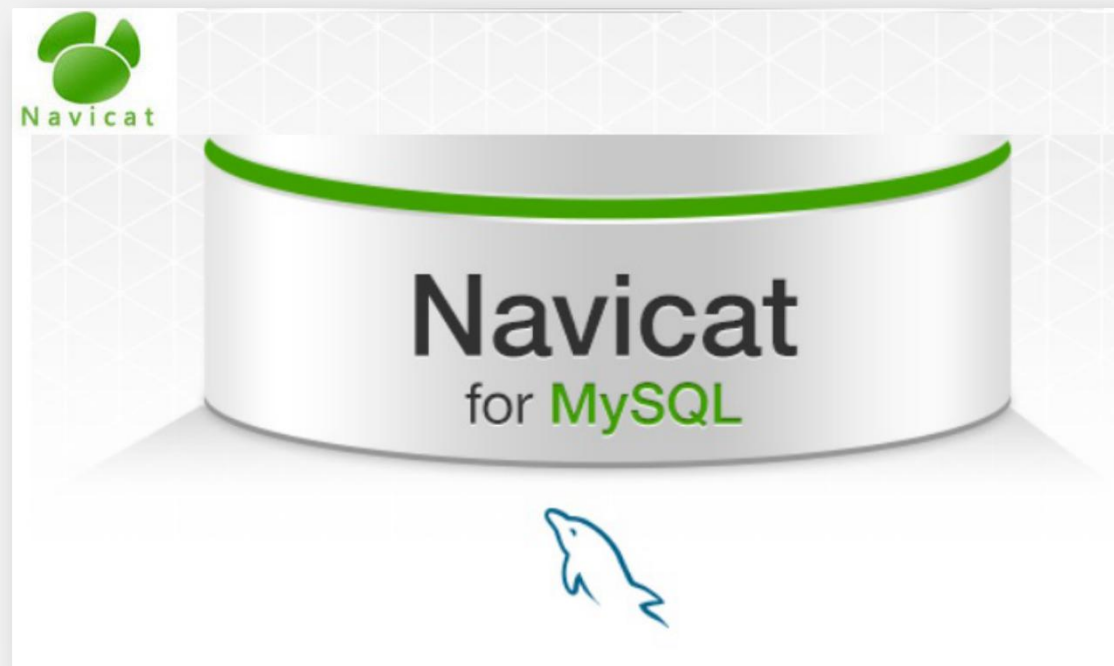
MySQL的图形用户管理工具



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Navicat for MySQL

- ◆可同时连接 MySQL和MariaDB;
- ◆支持MySQL大部分最新功能, 包括表、视图、函数或过程、事件等;
- ◆操作直观、功能强大, 实用工具丰富。





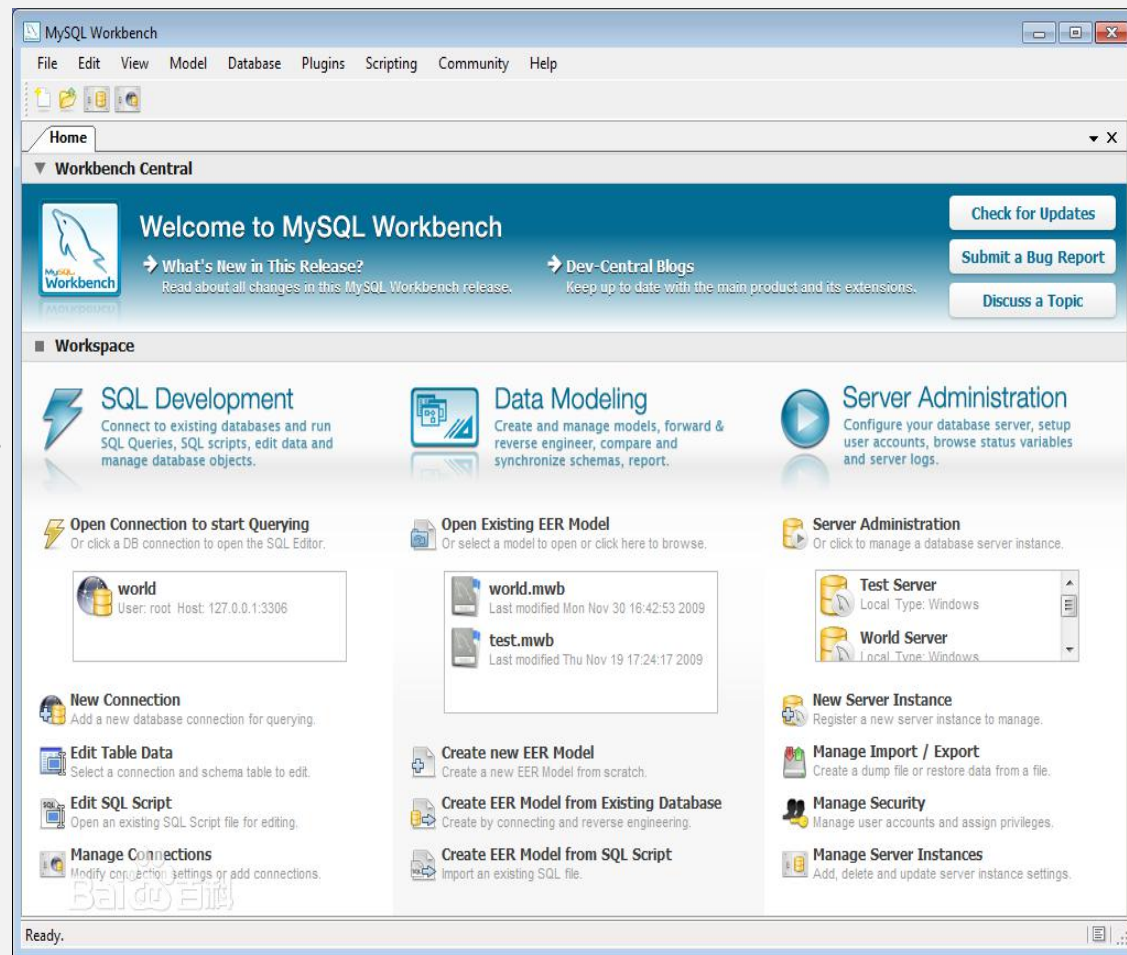
MySQL的图形用户管理工具



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MySQL Workbench

- ◆可进行数据库ER建模;
- ◆可视化数据库管理;
- ◆操作直观、功能强大, 实用工具丰富。
- ◆复杂的MySQL 迁移





MySQL的图形用户管理工具



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phpMyAdmin

- ◆用PHP编写的MySQL管理软件；
- ◆基于Web方式，以网页形式呈现；
- ◆操作直观、功能强大，实用工具丰富。
- ◆复杂的MySQL 迁移



The image shows the phpMyAdmin login page. At the top, there is a logo with a sailboat and the text 'phpMyAdmin'. Below the logo, it says '欢迎使用 phpMyAdmin'. There are two main sections: '语言 - Language' and '登录'. The '语言 - Language' section has a dropdown menu showing '中文 - Chinese simplified'. The '登录' section has three input fields: '用户名:' (Username) with 'root' entered, '密码:' (Password) with a single character entered, and '选择服务器:' (Select server) with 'MySQL' selected. There is an '执行' (Execute) button at the bottom right.



MySQL的图形用户管理工具



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Adminer

- ◆轻量级MySQL管理工具；
- ◆类似于phpMyAdmin，也是用PHP编写的；
- ◆单文件易部署；
- ◆可满足大部分的MySQL管理需求。





WAMP与LAMP



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WAMP/LAMP是MySQL在互联网上构建网站与信息系统的一种应用环境，使用Windows/Linux作为操作系统，Apache作为Web服务器，数据管理系统为MySQL，服务器端所用的脚本语言是PHP。





WAMPServer



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WAMPServer

一款整合的WAMP安装包；

安装全自动化；

经过简单配置，即可使用。

The banner for the WampServer website. At the top, there's a dark header with the WampServer logo (a 'W' inside a circle), the text "WampServer", and "Apache, PHP, MySQL on Windows". To the right are links for "START", "DOWNLOAD", and "FORUM", along with language options "FRANÇAIS" and "РУССКИЙ". The main content area features the text "WAMPSEVER, a Windows web development environment." followed by a description of the software and a "START USING WAMPSEVER" button. A cartoon scientist character is on the right, holding test tubes. At the bottom, there's a yellow section titled "START WITH WAMPSEVER" with an image of two beakers and a paragraph about the software's ease of use.

WampServer
Apache, PHP, MySQL on Windows

START DOWNLOAD FORUM

FRANÇAIS РУССКИЙ

WAMPSEVER,
a Windows web development environment.

WampServer is a Windows web development environment. It allows you to create web applications with Apache2, PHP and a MySQL database. Alongside, PhpMyAdmin allows you to manage easily your databases.

START USING WAMPSEVER

Tweet Share 10.2K

START WITH WAMPSEVER

WampServer installs automatically all you need to start developing web applications and is very intuitive to use. You will be able to tune your server without even touching the setting files.



WAMPServer的关键配置



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- (1) 虚拟根目录，即“www”路径将被自动创建，通常为 (usually c:\wamp\www)，用来放置默认可被访问的Web页面。（即带有MySQL数据库运算结果的网页）
- (2) 单击WampSever 菜单中的“localhost” 链接或者在浏览器中 输入 `http://localhost`，均可进入Apache默认主页，进而调用其他应用程序
- (3) WAMPServer内置了PHPMyadmin和Adminer,方便通过图形用户界面学习及使用MySQL。



»» 总结与提高

- ◆ WAMP与WAMP Server是等同的概念吗?
- ◆ 通过IDE实现MySQL的操作与通过Command命令操作各有什么特点?

信息时代，
数据织就未来

