

1、安装 JDK

- 2、Eclipse 和 Tomcat 解压
- 3、配置环境变量

右击我的电脑->属性->高级->环境变量

(1) path: C:\Program Files\Java\jdk1.6.0_30\bin

(2) CLASSPATH: C:\Program Files\Java\jdk1.6.0_30\lib

(3) JAVA_HOME: C:\Program Files\Java\jdk1.6.0_30

(4) CATALINE_HOME: C:\apache-tomcat-6.0.18

4、Eclipse 设置

(1) 工作区文件编码方式设为 UTF-8:

Window->preferences->General->Workspace

(2) 安装 JRE

Window->preferences->java->Installed

JREs->add->next->Directory(选择 JDK 安装目录: C:\Program

Files\Java\jdk1.6.0_23), 然后选择 JDK 即可。

(3) 设置 JSP 编码方式

Window->preferences->web->JSP Files->Encoding(设为UTF-8)

(4) 设置服务器

Window->preferences->server->Runtime

Environments->add->apache

tomcat

v6.0->next->browse->c:\apache-tomcat->finish

5、安装 MySql

MySQL5.0 安装图解

打开下载的 mysql 安装文件 mysql-5.0.27-win32.zip, 双击解压缩,
 运行 "setup.exe",出现如下界面:

2、按"Next"继续,选择安装类型,有"Typical(默认)"、"Complete (完全)"、"Custom(用户自定义)"三个选项,我们选择"Custom", 有更多的选项,也方便熟悉安装过程

3、在"Developer Components (开发者部分)"上左键单击,选择"This feature, and all subfeatures, will be installed on local hard drive.",即"此部分,及下属子部分内容,全部安装在本地硬盘上"。在上面的"MySQL Server (mysql 服务器)"、"Client Programs (mysql 客户端

程序)"、"Documentation (文档)"也如此操作,以保证安装所有文件。点选"Change...",手动指定安装目录。

4、填上安装目录,我的是"F:\Server\MySQL\MySQL Server 5.0",也 建议不要放在与操作系统同一分区,这样可以防止系统备份还原的时候,数据被清空。按"OK"继续。

5、返回刚才的界面,按"Next"继续。确认一下先前的设置,如果 有误,按"Back"返回重做。按"Install"开始安装。

6、正在安装中,请稍候,直到出现下面的界面,这里是询问你是否要注册一个 mysql.com 的账号,或是使用已有的账号登陆 mysql.com,一般不需要了,点选"Skip Sign-Up",按"Next" 略过此步骤。
 7、现在软件安装完成了,出现上面的界面,这里有一个很好的功能,



mysql 配置向导,不用向以前一样,自己手动乱七八糟的配置 my.ini 了,将 "Configure the Mysql Server now"前面的勾打上,点 "Finish" 结束软件的安装并启动 mysql 配置向导。 mysql 配置向导启动界面, 按 "Next"继续。

8、选择配置方式, "Detailed Configuration(手动精确配置)"、"Standard Configuration (标准配置)",我们选择"Detailed Configuration",方便熟悉配置过程。

选择服务器类型, "Developer Machine (开发测试类, mysql 占用很少资源)"、"Server Machine (服务器类型, mysql 占用较多资源)"、

"Dedicated MySQL Server Machine (专门的数据库服务器, mysql占用所有可用资源)",大家根据自己的类型选择了,一般选"Server Machine",不会太少,也不会占满。

9、选择 mysql 数据库的大致用途,"Multifunctional Database (通用多 功能型,好)"、"Transactional Database Only (服务器类型,专注于事 务处理,一般)"、"Non-Transactional Database Only (非事务处理型, 较简单,主要做一些监控、记数用,对 MyISAM 数据类型的支持仅 限于 non-transactional),随自己的用途而选择了,我这里选择 "Multifunctional Database", 按"Next"继续。

10 对 InnoDB Tablespace 进行配置,就是为 InnoDB 数据库文件选择 一个存储空间,如果修改了,要记住位置,重装的时候要选择一样的 地方,否则可能会造成数据库损坏,当然,对数据库做个备份就没问 题了,这里不详述。我这里没有修改,使用用默认位置,直接按"Next"



继续。

11、选择您的网站的一般 mysql 访问量, 同时连接的数目, "Decision Support(DSS)/OLAP (20 个左右)"、"Online Transaction Processing(OLTP) (500 个左右)"、"Manual Setting (手动设置, 自己 输一个数)", 我这里选"Decision Support(DSS)/OLAP)", 按"Next" 继续

12、是否启用 TCP/IP 连接,设定端口,如果不启用,就只能在自己 的机器上访问 mysql 数据库了,我这里启用,把前面的勾打上,Port Number: 3306,在这个页面上,您还可以选择"启用标准模式"(Enable Strict Mode),这样 MySQL 就不会允许细小的语法错误。如果您还是 个新手,我建议您取消标准模式以减少麻烦。但熟悉 MySQL 以后,尽量使用标准模式,因为它可以降低有害数据进入数据库的可能性。 按 "Next"继续。

13、这个比较重要,就是对 mysql 默认数据库语言编码进行设置,第 一个是西文编码,第二个是多字节的通用 utf8 编码,都不是我们通用 的编码,这里选择第三个,然后在 Character Set 那里选择或填入"gbk", 当然也可以用 "gb2312",区别就是 gbk 的字库容量大,包括了 gb2312 的所有汉字,并且加上了繁体字、和其它乱七八糟的字——使用 mysql 的时候,在执行数据操作命令之前运行一次 "SET NAMES GBK;"(运 行一次就行了,GBK 可以替换为其它值,视这里的设置而定),就可 以正常的使用汉字(或其它文字)了,否则不能正常显示汉字。我这 里选的 "gb2312",按 "Next"继续。 按"Next"继续。

14、选择是否将 mysql 安装为 windows 服务,还可以指定 Service Name (服务标识名称),是否将 mysql 的 bin 目录加入到 Windows PATH(加入后,就可以直接使用 bin 下的文件,而不用指出目录名,比如连接,"mysql.exe -uusername -ppassword;"就可以了,不用指出 mysql.exe 的完整地址,很方便),我这里全部打上了勾,Service Name 不变。

这一步询问是否要修改默认 root 用户(超级管理)的密码(默认为空), "New root password"如果要修改,就在此填入新密码(如果是重装, 并且之前已经设置了密码,在这里更改密码可能会出错,请留空,并 将"Modify Security Settings"前面的勾去掉,安装配置完成后另行修 改密码),"Confirm (再输一遍)"内再填一次,防止输错。

"Enable root access from remote machines (是否允许 root 用户在其它 的机器上登陆,如果要安全,就不要勾上,如果要方便,就勾上它)"。 最后"Create An Anonymous Account (新建一个匿名用户,匿名用户 可以连接数据库,不能操作数据,包括查询)",一般就不用勾了,设置完毕,按"Next"继续。

确认设置无误,如果有误,按"Back"返回检查。按"Execute"使 设置生效。

设置完毕,按"Finish"结束 mysql.

的安装与配置——这里有一个

比较常见的错误,就是不能"Start service",一般出现在以前有安装 mysql 的服务器上,解决的办法,先保证以前安装的 mysql 服务器彻



底卸载掉了;不行的话,检查是否按上面一步所说,之前的密码是否 有修改,照上面的操作;如果依然不行,将 mysql 安装目录下的 data 文件夹备份,然后删除,在安装完成后,将安装生成的 data 文件夹 删除,备份的 data 文件夹移回来,再重启 mysql 服务就可以了,这种 情况下,可能需要将数据库检查一下,然后修复一次,防止数据出错。 设置环境变量!







ySQL Server 5.0 - Setup Tizard	×
hange Current Destination Folder	
Browse to the destination folder.	
Look in:	
Av MySQL Server 5.0	- E 🖻
Eciler name:	
	OK Cancel
ySQL Server 5.0 − Setup Wizard	×
istom Setup Select the program features you want installed.	$\overline{\mathbf{O}}$
ck on an icon in the list below to change how a feature i	is installed.
	Feature Description
€ Client Programs	Components used by developers.
Developer Components	This feature requires 0KB on your hard drive. It has 3 of 3 subfeatures selected. The subfeatures require 27MB on your hard drive.
tall to: Server\MySQL\MySQL Server 5.0\	
Help Kark	Next > Cancel
eady to Install the Program The wizard is ready to begin installation.	Ó
If you want to review or change any of your installatio exit the wizard.	n settings, click Back. Click Cancel to
Current Settings:	
Setup Type:	
Custom	
Destination Folder:	
F:\Server\MySQL\MySQL Server 5.0\	
<u> </u>	i Install Cancel



🔂 BySQL Server 5.0 - Setup Wizard Installing MySQL Server 5.0 0 The program features you selected are being installed. Please wait while the Setup Wizard installs MySQL Server 5.0. This may take several minutes. P Status: < <u>B</u>ack Next > Cancel MySQL.com Sign Up - Setup Wizard MySQL.com Sign-Up Login or create a new MySQL.com account. Please log in or select the option to create a new account. C Create a new free MySQL.com account If you do not yet have a MySQL.com account, select this option and complete the following three steps. C Login to MySQL.com Select this option if you already have a MySQL.com account. Please specify your login information below. Email address: Password: Skip Sign-Up Next > Cancel × 📴 BySQL Server 5.0 - Setup Tizard Wizard Completed Setup has finished installing MySQL Server 5.0. Click Finish to exit the wizard. Configure the MySQL Server now Use this option to generate an optimized MySQL config file, setup a Windows service running on a dedicated port and to set the password for the root account. M < Back 1 Finish Cancel



SQL Server Instance Configuration Tizard × MySQL Server Instance Configuration Configure the MySQL Server 5.0 server instance. Please select a configuration type. Optimized Configuration Choose this configuration type to create the optimal server setup for this machine. C Standard Configuration Use this only on machines that do not already have a MySQL server installation. This will use a general purpose configuration for the server that can be tuned manually. -100 < Back (Next > Cancel BySQL Server Instance Configuration Wizard × MySQL Server Instance Configuration Configure the MySQL Server 5.0 server instance. Please select a server type. This will influence memory, disk and CPU usage. Developer Machine This is a development machine, and many other applications will be run on it. MySQL Server should only use a minimal amount of - 15 memory. C Server Machine Several server applications will be running on this machine. Choose this option for web/application servers. MySQL will have medium memory usage. 2 C Dedicated MySQL Server Machine This machine is dedicated to run the MySQL Database Server. No other servers, such as a web or mail server, will be run. MySQL will utilize up to all available memory. ()< Back Next > Cancel

SQL Server In	stance Configuration Tizard
MySQL Server I Configure the M	nstance Configuration ySQL Server 5.0 server instance.
Please select the	e database usage.
Multifunction	pnal Database
8	General purpose databases. This will optimize the server for the use of the fast transactional InnoD8 storage engine and the high speed MyISAM storage engine.
C Transaction	nal Database Only
	Optimized for application servers and transactional web applications. This will make InnoDB the main storage engine. Note that the MyISAM engine can still be used.
C Non-Transa	actional Database Only
	Suited for simple web applications, monitoring or logging applications as well as analysis programs. Only the non-transactional MyISAM storage engine will be activated.
	< Back Next > Cancel



QL Server Instance Configuration Tizard	×
MySQL Server Instance Configuration	
Configure the MySQL Server 5.0 server instance.	
Please select the drive for the InnoDB datafile, if you do not want to use the default	settings.
InnoDB Tablespace Settings	
Please choose the drive and directory where the InnoDB tablespace should be placed.	
F: Installation Path	
Drive Info	
Volume Name: MyData File System; NTFS	
11.9 GB Diskspace Used 2.1 GB Free Diskspace	
< Back [Next >]	Cancel
QL Server Instance Configuration Tizard	×
1ySQL Server Instance Configuration	0
Configure the MySQL Server 5.0 server instance.	
Please set the approximate number of concurrenct connections to the server.	
C Decision Support (DSS)/OLAP	
Select this option for database applications that will not require a	
will be assumed.	
C Online Transaction Processing (OLTP)	
Choose this option for highly concurrent applications that may have at any one time up to 500 active connections such as heavily loaded web servers.	
Manual Setting	
Please enter the approximate number of concurrent connections.	
Concurrent connections:	
< Back Next > C	Cancel
QL Server Instance Configuration Tizard	×
YySQL Server Instance Configuration	
Configure the MySQL Server 5.0 server instance.	
Please set the networking options.	
🔽 Enable TCP/IP Networking	
Enable this to allow TCP/IP connections. When disabled, only local connections through named pipes are allowed.	
<u> </u>	
Port Number: 5305	
Please set the server SQL mode.	
☑ Enable Strict Mode	
This option forces the server to behave more like a traditional database server. It is recommended to enable this option.	
< Back Next > 1	ancel 1



QL Server Instance Con	figuration Vizard	×			
1ySQL Server Instance Confi	iguration				
Configure the MySQL Server 5.0 server instance.					
Please select the default charac	cter set.				
C Standard Character Set					
Hellol) Makes Latin1 th	ne default charset. This character set is suited for				
English and oth	ier West European languages.				
C Best Support For Multilir	ngualism				
character set fo	aerauit character set. This is the recommended or storing text in many different languages.				
· · · · · · · · · ·					
Manual Selected Default	t Character Set / Collation				
Piease specify (
Character Set:					
	< Back Next > Cancel]			
QL Server Instance Con	figuration Tizard	×			
lySQL Server Instance Confi	iguration				
Configure the MySQL Server 5.	0 server instance.	1			
Please set the Windows options	5				
Ta ta shall da Ulia dama Cami	22) 				
This is the reco	meended way to rup the MySQL server				
mission windows.	ninenaea may to ran the Hysige server				
9-00000°					
Service Name:	MySQL				
	Launch the MySQL Server automatically				
Check this ontic	windows PATH op to include the directory containing the				
MySQL». server / client e	executables in the Windows PATH variable				
so they can be	called from the command line.				
	< Back Next > Cancel]			
QL Server Instance Con	figuration Tizard	×			
lySQL Server Instance Confi	iguration				
Configure the MySQL Server 5.	.0 server instance.				
Please set the security options.					
Modify Security Setting:	5				
New root page	word: ***** Enter the root password				
-					
Confirm:	***** Retype the password.				
	The second access from remote machines				
Create An Anonymous Acco	unt				
This option will o	create an anonymous account on this server. Please an lead to an inserure system.				
The dide this c					
	< Back Next > Cancel	1			
		-			



			www.51testing.com
ySQL Server Instance Configu	ration Tizard	×	1
MySQL Server Instance Configural Configure the MySQL Server 5.0 server	tion er instance,	\bigcirc	
Ready to execute			
Prepare configuration			
 Write configuration file 			
O Start service			
 Apply security settings 			
Please press [Execute]	to start the configuration.		
	< Back Execute	Cancel	
ySQL Server Instance Configu	ration Tizard	×	1
MySQL Server Instance Configural	tion		
Configure the MySQL Server 5.0 serv	er instance.		
Processing configuration			
🥑 Prepare configuration			
I Write configuration file	(F:\Server\MySQL\MySQL Server 5.0\my.i	ini)	
♂ Start service			
Apply security settings			
Configuration file creat Windows service MySQ Service started success Security settings applie	ed. L installed. sfully. :d.		
Press [Finish] to close t	he Wizard.		
	< Back Finish	Cancel	-
《统属性	<u>?</u> [X]	<u>?×</u>	-
常规 计算机名 硬件 高级 系	统还原 自动更新 远程 远程		
要进行大多数改动,您必须作为管理。	不境变量		<u>? ×</u>
			2 1
视见观果,处理器计划,内仔使用,	调将 术 3. 义 里		
	变量名 (M): Path		
用户配置文件	变量值(V):	r\php;F:\Server\ph	p\ext.
与您登录有关的桌面设置		确定 取消	<u> </u>
		आग्तनसः (<u>म</u>) आगान्त्रत	<u></u>
	└系统变量 (<u>S</u>)		
后动和战障恢复 系统启动,系统失败和调试信息	变量 值		
	Path C:\WINDOWS\sys PATHEXT .COM:.EXE:.BAT PROCESSOR_AR x86	tem32;C:\WINDOWS;. ;.CMD;.VBS;.VBE;	
	FRUCESSOR_ID x86 Family 6 M PROCESSOR_LEVEL 6 PROCESSOR_DEV	odel 13 Stepping .	·· .
环境变量 (1)	i FRUCESSOR RE 0d06 新建(世)	编辑(L) 删除	E I
		确定]	取消

6、第一个 web 项目

(1) File->new->Dynamic web project

(2) 建一个 html 文档。右击项目选择 html page, 建立一个 html 文档。

4、将 web 项目部署到 tomcat

(1)打开C:\apache-tomcat-6.0.18\conf\server.xml,在倒数第四 行</Host>之前加上

<Context path="/ch02" docBase="F:\workspace\ch02\WebContent"

reloadable="true"/>

其中 path 的值为项目名称。

docBase 的值为项目的 WebContent 所在的目录。

Reloadable 的值为 true, 让系统自动加载。

(2) D:\apache-tomcat-6.0.18\bin\startup.bat 启动 tomcat

(3)打开 IE, 输入 <u>http://localhost:8080/ch02/formEG.html</u>,运行 html 文档。