PHP环境搭建与变量

LAMP环境安装

Linux

Apache

Mysql

php

运行平台

- win7 X32
- win7 X64
- win8

X32平台

- wampserver 2.5
- apache 2.4.9
- mysql 5.6.17
- php 5.4.38/5.5.12/5.5.22/5.6.6

X64平台

- wampserver 2.5
- apache 2.4.9
- mysql 5.6.17
- php 5.5.22/5.6.6

软件下载地址

- 以下地址仅供参考（可以百度下载所需软件及资料）：
- http://www.wampserver.com/en/
- http://httpd.apache.org/docs/current/platform/windows.html#down
- http://windows.php.net/download/
- https://edelivery.oracle.com/
- http://www.microsoft.com/en-us/download/details.aspx?id=30679

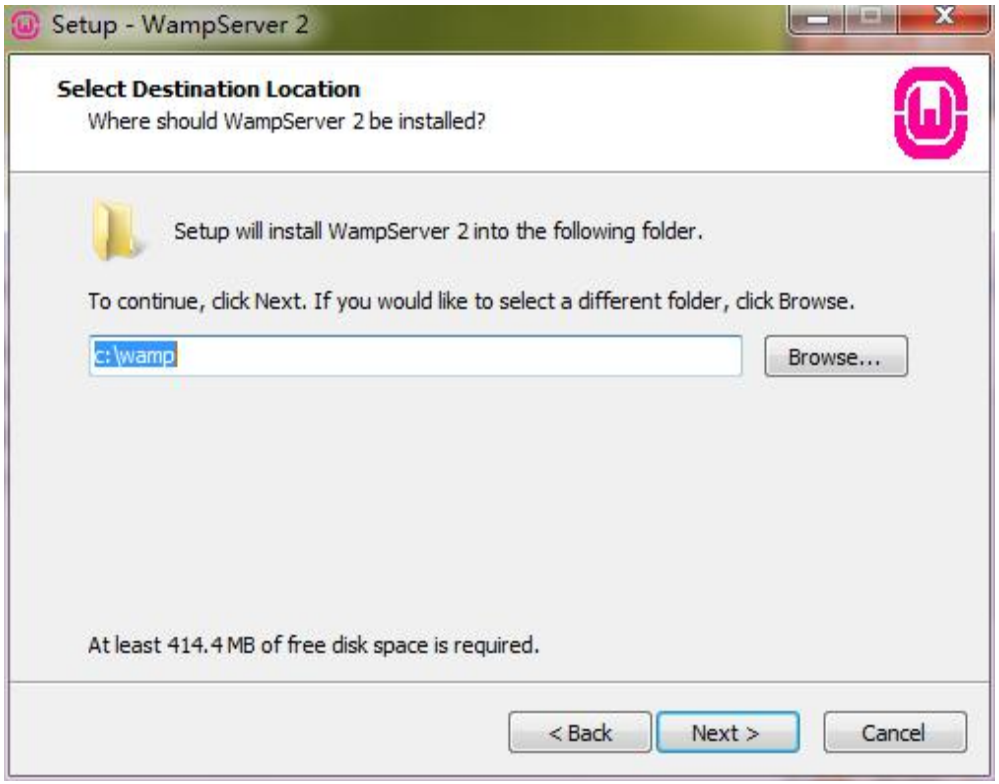
安装方法

X32 X64安装方法相同，以下仅提供X32平台的安装过程

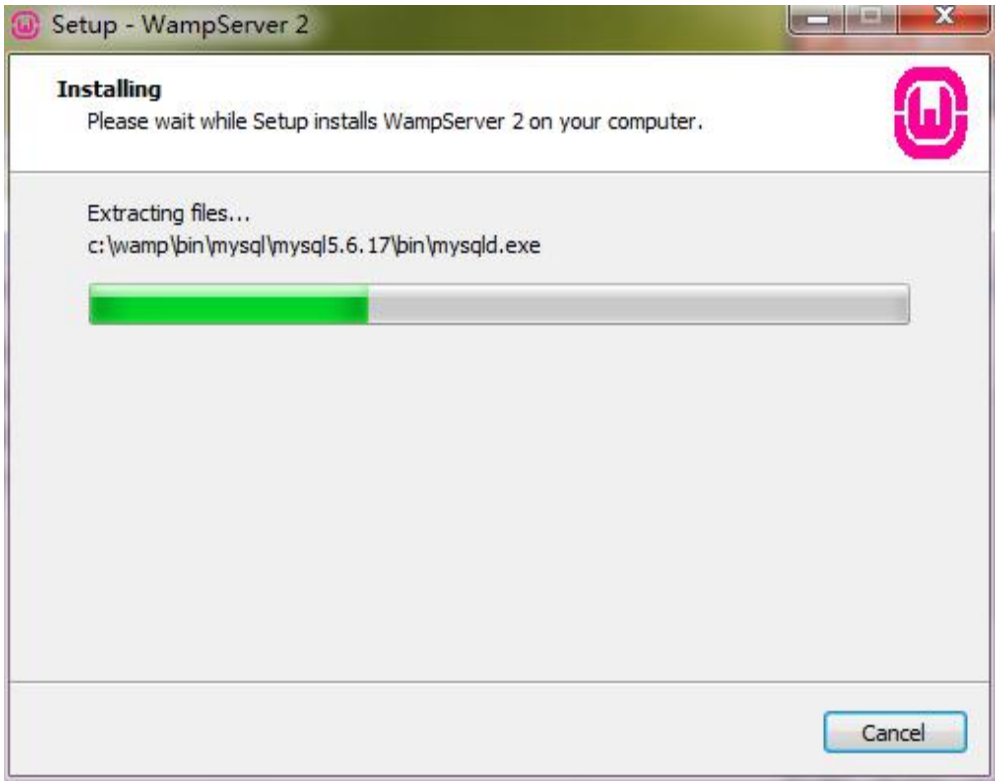
安装WAMP集成软件

Setup - WampServer 2
WampServer
Powered by
Alter Way
The French
Open Source
Service Provider
http://www.alterway.fr
Apache : 2.4.9
MySQL : 5.6.17
PHP : 5.5.12
PHPMyAdmin : 4.1.14
SqlBuddy : 1.3.3
XDebug : 2.2.5
Welcome to the WampServer 2 Setup Wizard
This will install WampServer 2.5 on your computer.
It is recommended that you close all other applications before continuing.
Click Next to continue, or Cancel to exit Setup.
Next >
Cancel

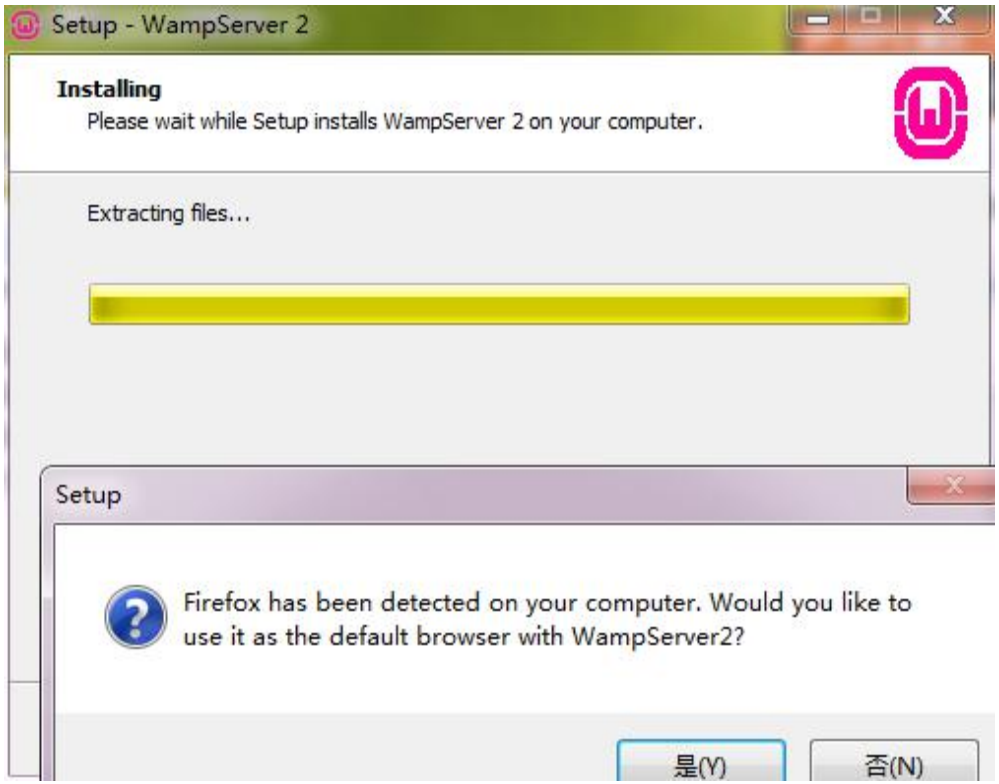
选择安装路径


Setup - WampServer 2
Select Destination Location
Where should WampServer 2 be installed?
Setup will install WampServer 2 into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
c:\wamp
Browse...
At least 414.4 MB of free disk space is required.
< Back
Next >
Cancel

安装过程


Setup - WampServer 2
Installing
Please wait while Setup installs WampServer 2 on your computer.
Extracting files...
c:\wamp\bin\mysql\mysql5.6.17\bin\mysqld.exe
Cancel

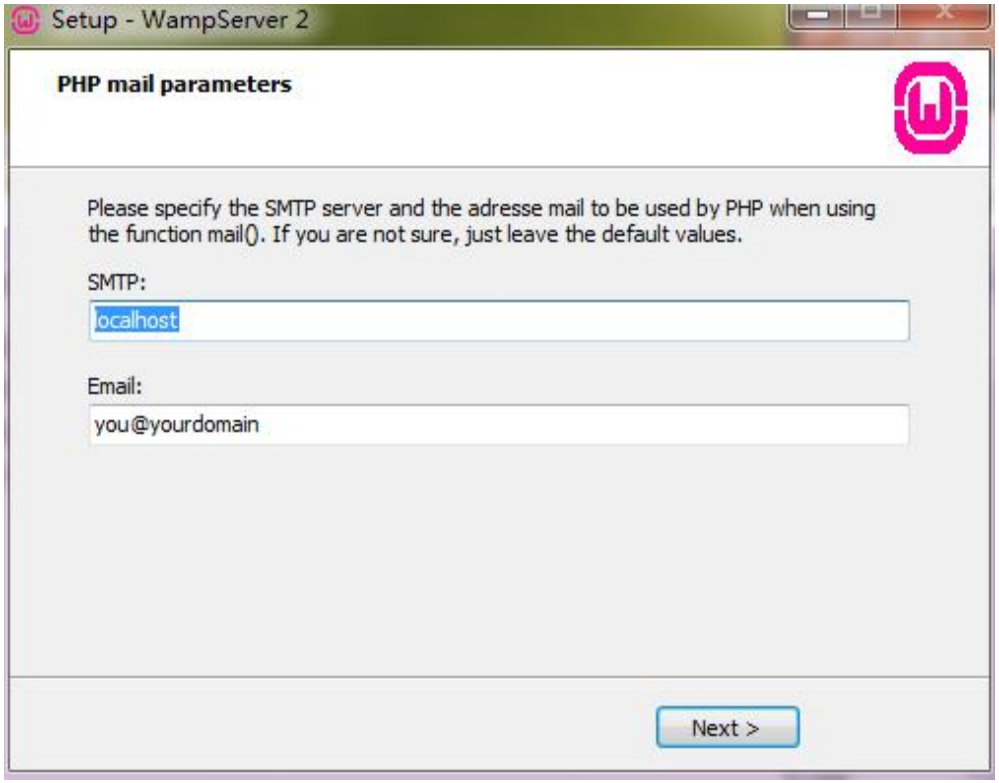
选择让firefox成为默认浏览器



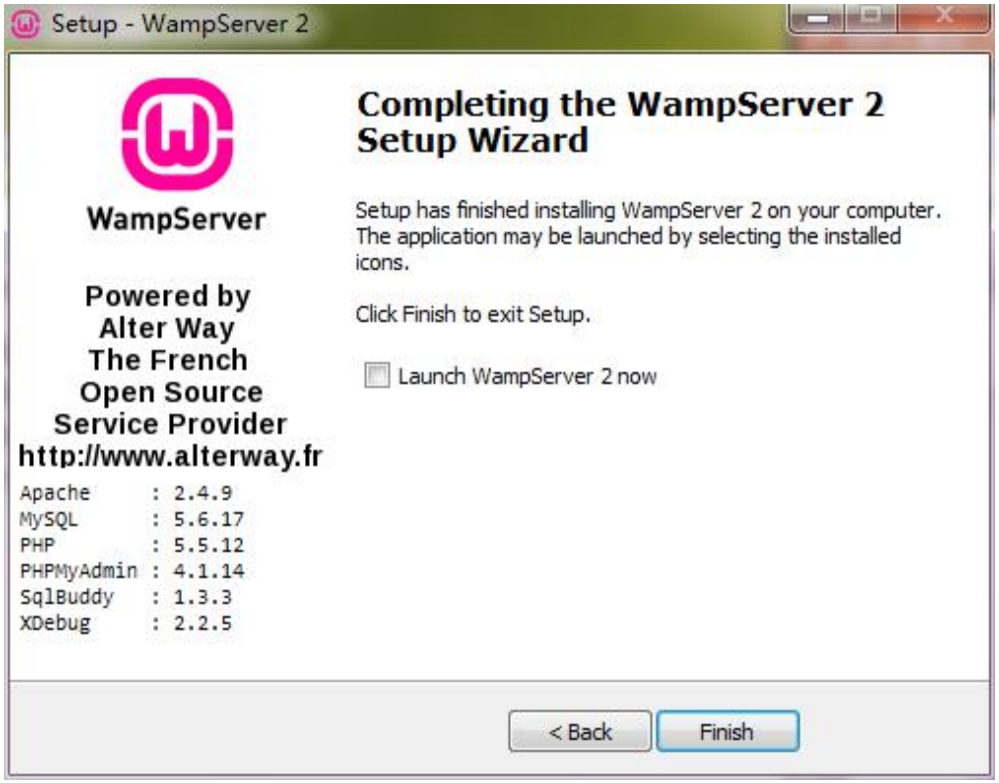
注意

安装过程中会提示缺少msvcr110.dll，此时需要根据系统平台环境安装相应的visual c++ 2012或者vc++2013

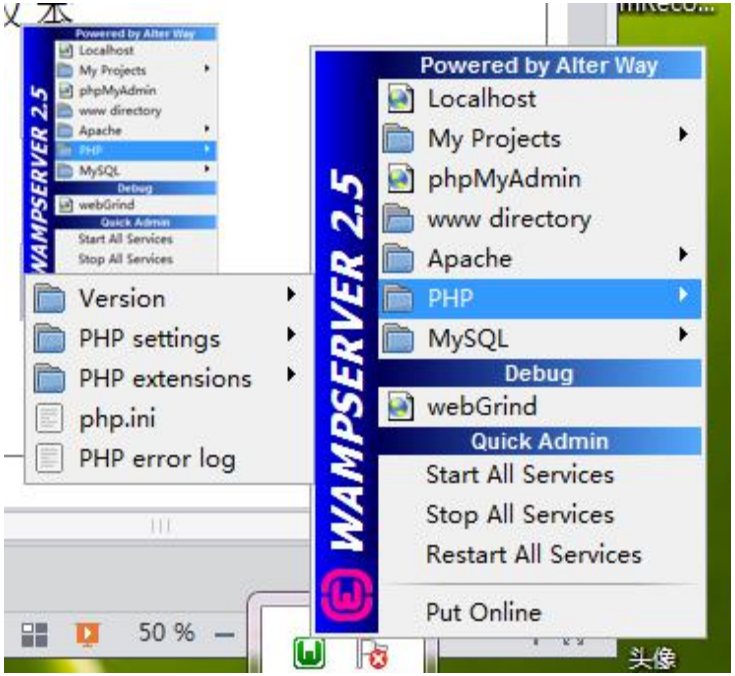
SMTP地址及邮箱


Setup - WampServer 2
PHP mail parameters
Please specify the SMTP server and the adresse mail to be used by PHP when using the function mail(). If you are not sure, just leave the default values.
SMTP:
localhost
Email:
you@yourdomain
Next >

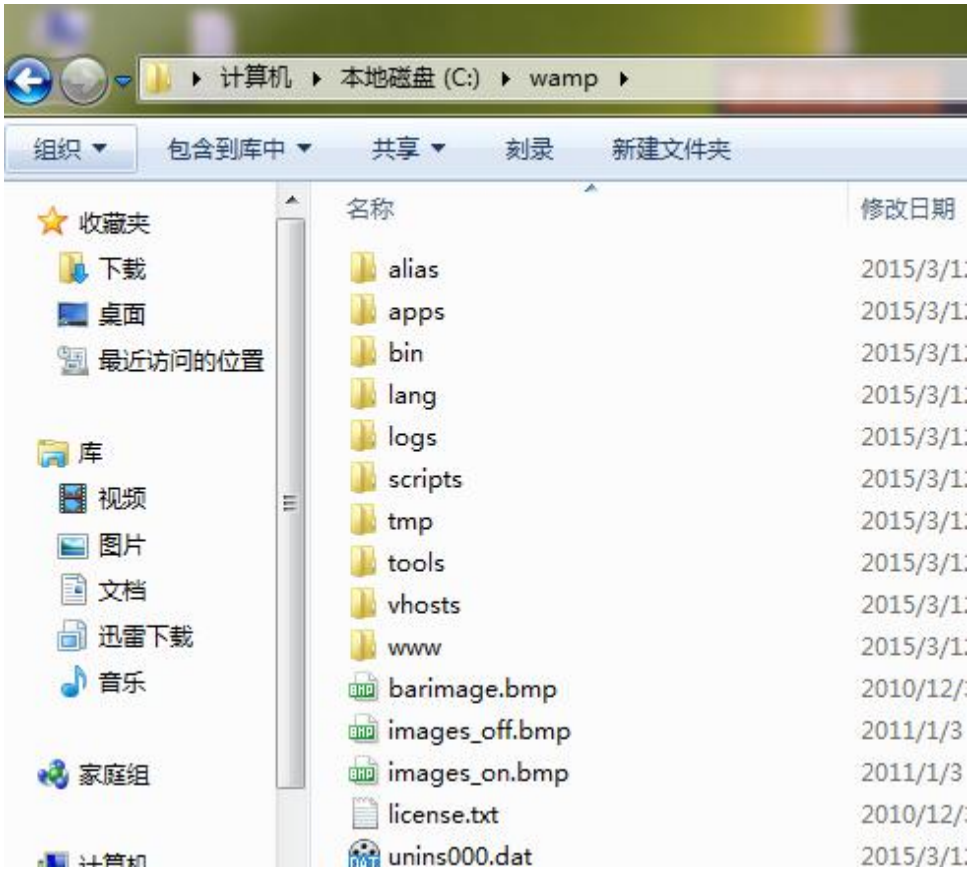
安装完成


Setup - WampServer 2
WampServer
Powered by
Alter Way
The French
Open Source
Service Provider
http://www.alterway.fr
Apache : 2.4.9
MySQL : 5.6.17
PHP : 5.5.12
PHPMyAdmin : 4.1.14
SqlBuddy : 1.3.3
XDebug : 2.2.5
Completing the WampServer 2 Setup Wizard
Setup has finished installing WampServer 2 on your computer. The application may be launched by selecting the installed icons.
Click Finish to exit Setup.
Launch WampServer 2 now
< Back
Finish

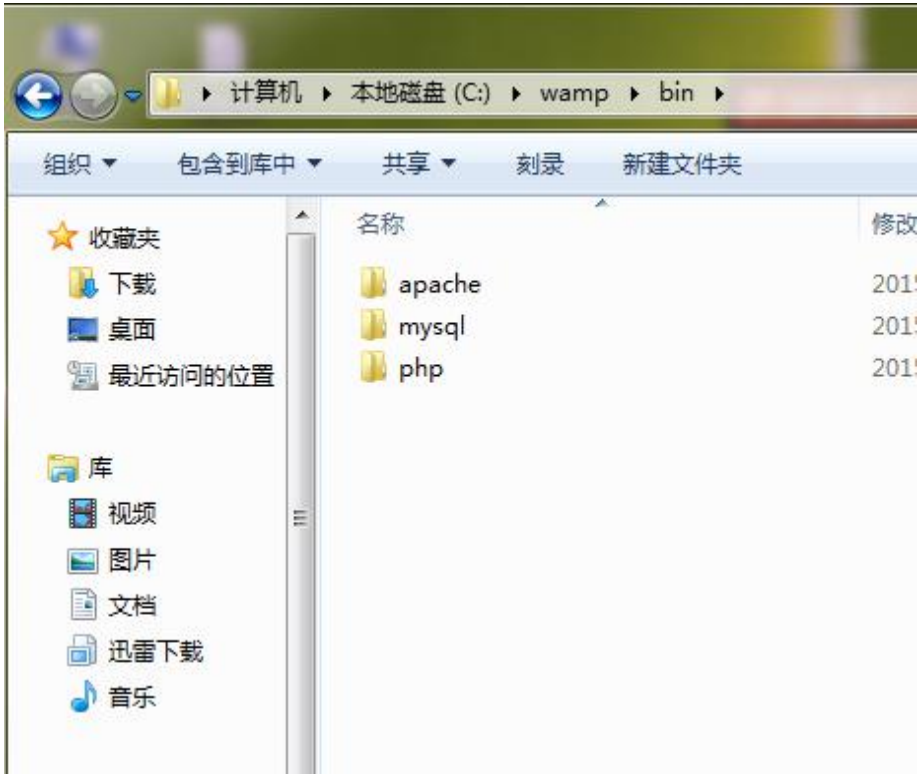
安装完成，服务启动


WAMPSERVER 2.5
Powered by Alter Way
Localhost
My Projects
phpMyAdmin
www directory
Apache
PHP
MySQL
Debug
webGrind
Quick Admin
Start All Services
Stop All Services
Restart All Services
Put Online
Version
PHP settings
PHP extensions
php.ini
PHP error log
50 %

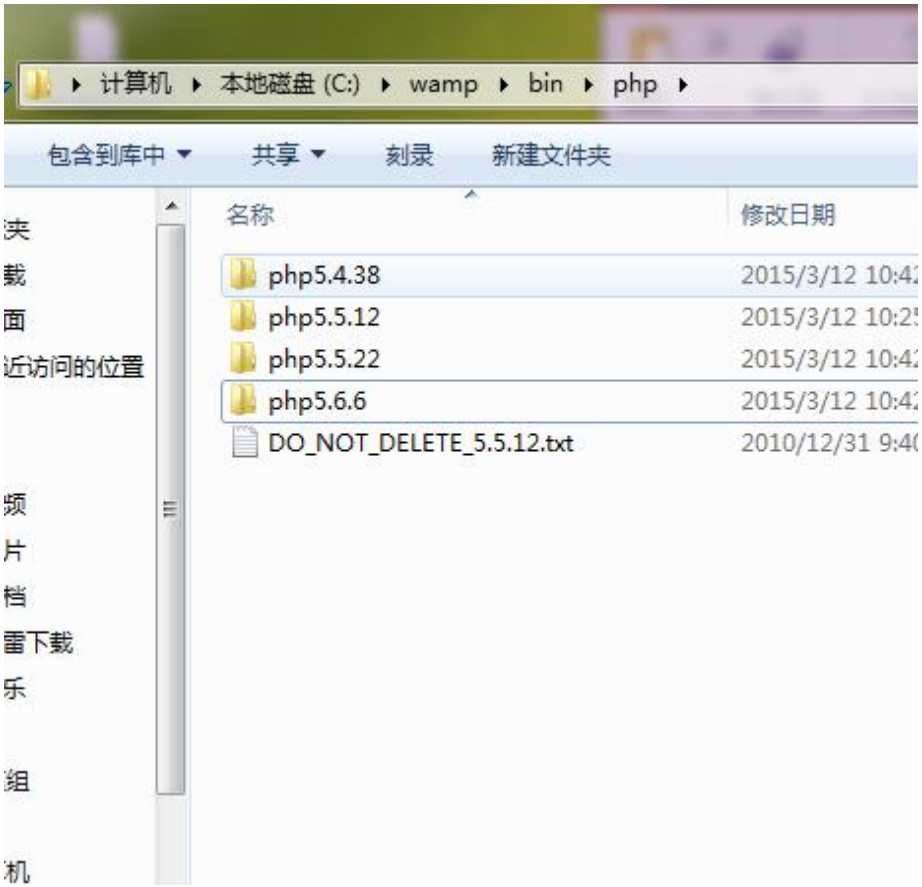
安装目录内容

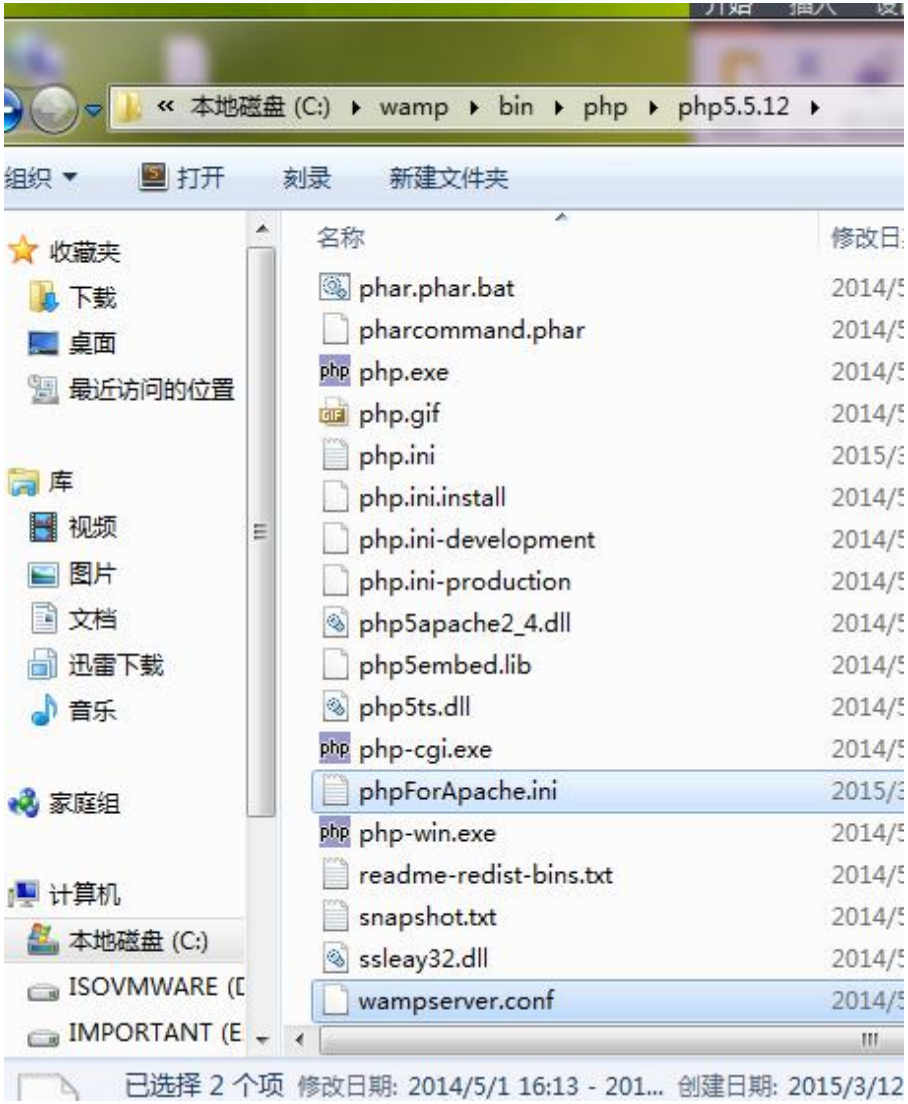

计算机 ▸ 本地磁盘 (C:) ▸ wamp ▸
组织
包含到库中
共享
刻录
新建文件夹
收藏夹
下载
桌面
最近访问的位置
库
视频
图片
文档
迅雷下载
音乐
家庭组
名称
修改日期
alias
apps
bin
lang
logs
scripts
tmp
tools
vhosts
www
barimage.bmp
images_off.bmp
images_on.bmp
license.txt
unins000.dat

安装目录bin


计算机 ▸ 本地磁盘 (C:) ▸ wamp ▸ bin ▸
组织
包含到库中
共享
刻录
新建文件夹
收藏夹
下载
桌面
最近访问的位置
库
视频
图片
文档
迅雷下载
音乐
名称
apache
mysql
php

可切换的PHP版本


计算机 ▸ 本地磁盘 (C:) ▸ wamp ▸ bin ▸ php ▸
包含到库中
共享
刻录
新建文件夹
名称
修改日期
php5.4.38
php5.5.12
php5.5.22
php5.6.6
DO_NOT_DELETE_5.5.12.txt


本地磁盘 (C:) ▸ wamp ▸ bin ▸ php ▸ php5.5.12 ▸
组织
打开
刻录
新建文件夹
收藏夹
下载
桌面
最近访问的位置
库
视频
图片
文档
迅雷下载
音乐
家庭组
计算机
本地磁盘 (C:)
ISOVMWARE (D
IMPORTANT (E
名称
修改日
phar.phar.bat 2014/5
pharcommand.phar 2014/5
php.exe 2014/5
php.gif 2014/5
php.ini 2015/3
php.ini.install 2014/5
php.ini-development 2014/5
php.ini-production 2014/5
php5apache2_4.dll 2014/5
php5embed.lib 2014/5
php5ts.dll 2014/5
php-cgi.exe 2014/5
phpForApache.ini 2015/3
php-win.exe 2014/5
readme-redist-bins.txt 2014/5
snapshot.txt 2014/5
ssleay32.dll 2014/5
wampserver.conf 2014/5
已选择 2 个项 修改日期: 2014/5/1 16:13 - 201... 创建日期: 2015/3/12

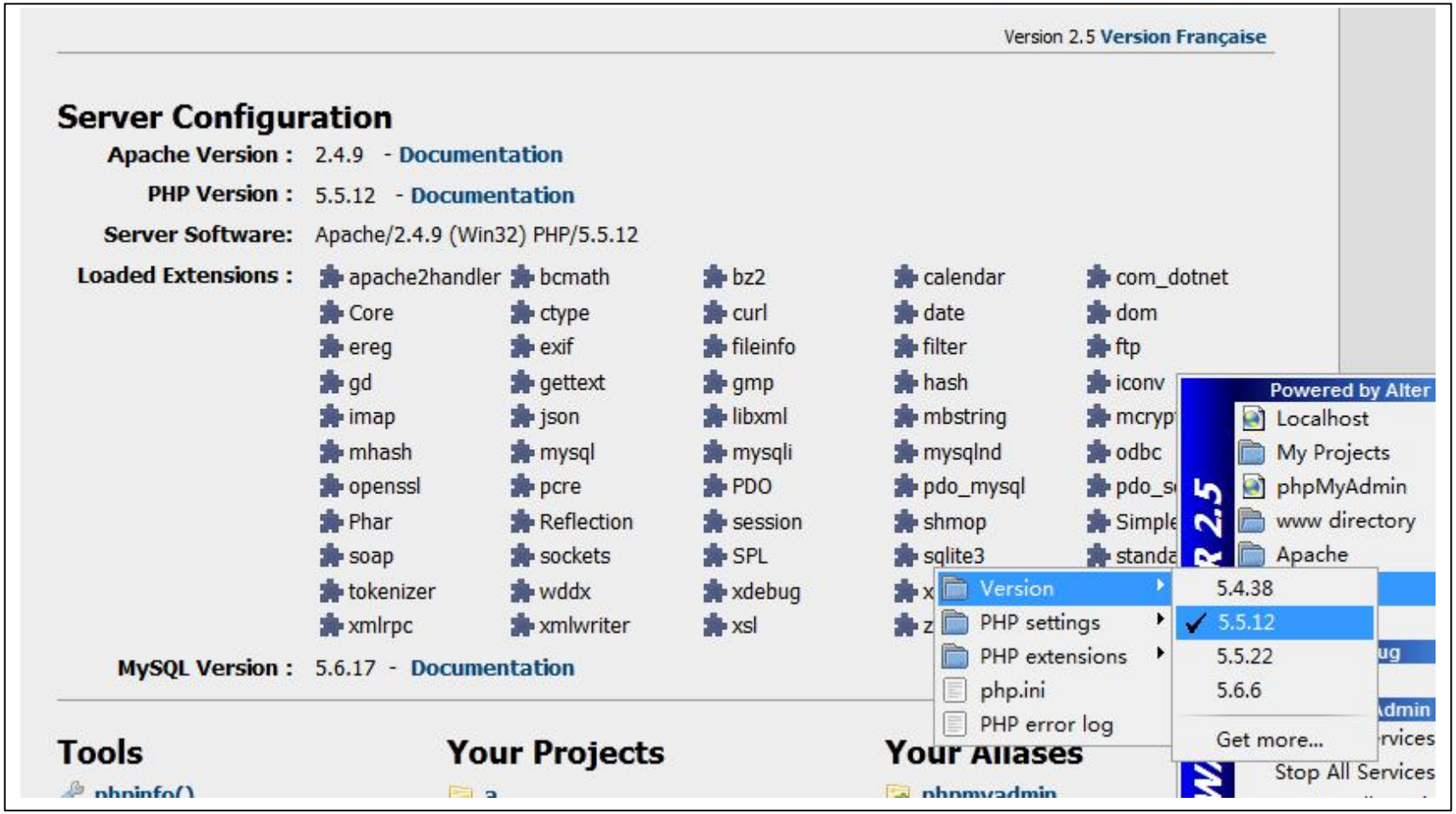
选择扩展文件路径

```
; see documentation for security issues.  The alternate
; cgi.force_redirect configuration below
; http://php.net/doc-root
doc_root =

; The directory under which PHP opens the script using /
; if nonempty.
; http://php.net/user-dir
user_dir =

; Directory in which the loadable extensions (modules) r
; http://php.net/extension-dir
extension_dir = "c:/wamp/bin/php/php5.4.38/ext/"
; On windows:
; extension_dir = "ext"

; Directory where the temporary files should be placed.
; Defaults to the system default (see sys_get_temp_dir)
; sys_temp_dir = "/tmp"

; Whether or not to enable the dl() function.  The dl()
; properly in multithreaded servers, such as IIS or Zeus
; disabled on them.
```

规定可支持的模块,并重启服务

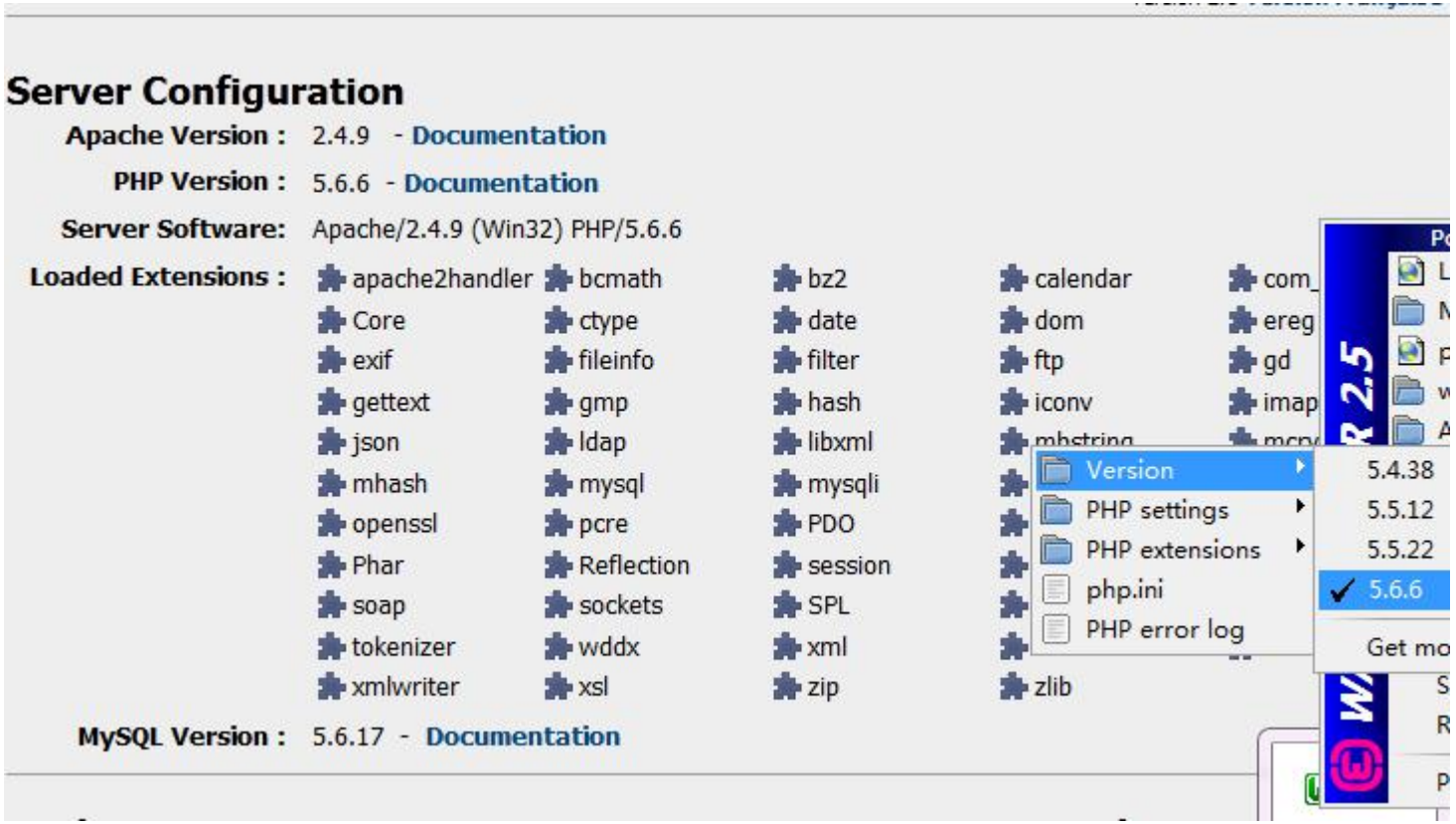
```
extension=php_bz2.dll
extension=php_curl.dll
extension=php_com_dotnet.dll
extension=php_fileinfo.dll
extension=php_gd2.dll
extension=php_gettext.dll
extension=php_gmp.dll
extension=php_intl.dll
extension=php_imap.dll
extension=php_interbase.dll
extension=php_ldap.dll
extension=php_mbstring.dll
extension=php_exif.dll      ; Must be after mbstring as
extension=php_mysql.dll
extension=php_mysqli.dll
```

目前版本


Version 2.5 Version Française
Server Configuration
Apache Version : 2.4.9 - Documentation
PHP Version : 5.5.12 - Documentation
Server Software: Apache/2.4.9 (Win32) PHP/5.5.12
Loaded Extensions :
apache2handler
bcmath
bz2
calendar
com_dotnet
Core
ctype
curl
date
dom
ereg
exif
fileinfo
filter
ftp
gd
gettext
gmp
hash
iconv
imap
json
libxml
mbstring
mysql
mysqli
mysqlnd
odbc
mhash
openssl
pcre
PDO
pdo_mysql
Phar
Reflection
session
shmop
soap
sockets
SPL
sqlite3
tokenizer
wddx
xdebug
xmlrpc
xmlwriter
xsl
MySQL Version : 5.6.17 - Documentation
Tools
Your Projects
Your Aliases
Powered by Alter
Localhost
My Projects
phpMyAdmin
www directory
Apache
Version
PHP settings
PHP extensions
php.ini
PHP error log
5.4.38
5.5.12
5.5.22
5.6.6
Get more...
Stop All Services

进行切换

Powered by Alter Way
Localhost
My Projects
phpMyAdmin
www directory
Apache
Version
PHP settings
PHP extensions
php.ini
PHP error log
5.4.38
5.5.12
5.5.22
5.6.6
Get more...
Stop All Services
Restart All Services
Put Online


Server Configuration
Apache Version : 2.4.9 - Documentation
PHP Version : 5.6.6 - Documentation
Server Software: Apache/2.4.9 (Win32) PHP/5.6.6
Loaded Extensions :
apache2handler
bcmath
bz2
calendar
Core
ctype
date
dom
ereg
exif
fileinfo
filter
ftp
gd
gettext
gmp
hash
iconv
imap
json
ldap
libxml
mhash
mysql
mysqli
openssl
pcre
PDO
Phar
Reflection
session
soap
sockets
SPL
tokenizer
wddx
xml
xmlwriter
xsl
zip
zlib
MySQL Version : 5.6.17 - Documentation
Version
PHP settings
PHP extensions
php.ini
PHP error log
5.4.38
5.5.12
5.5.22
5.6.6
Get mo

```
c:\wamp\bin\mysql\mysql5.6.17\bin>mysql.exe
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 3
Server version: 5.6.17 MySQL Community Server (GPL)

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

Type 'help;' or '\h' for help. Type '\c' to clear the curren

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| test               |
+--------------------+
2 rows in set (0.00 sec)

mysql>
```

```
c:\wamp\bin\mysql\mysql5.6.17\bin>mysql -uroot -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 5.6.17 MySQL Community Server (GPL)

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owners.

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

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| test               |
+--------------------+
```
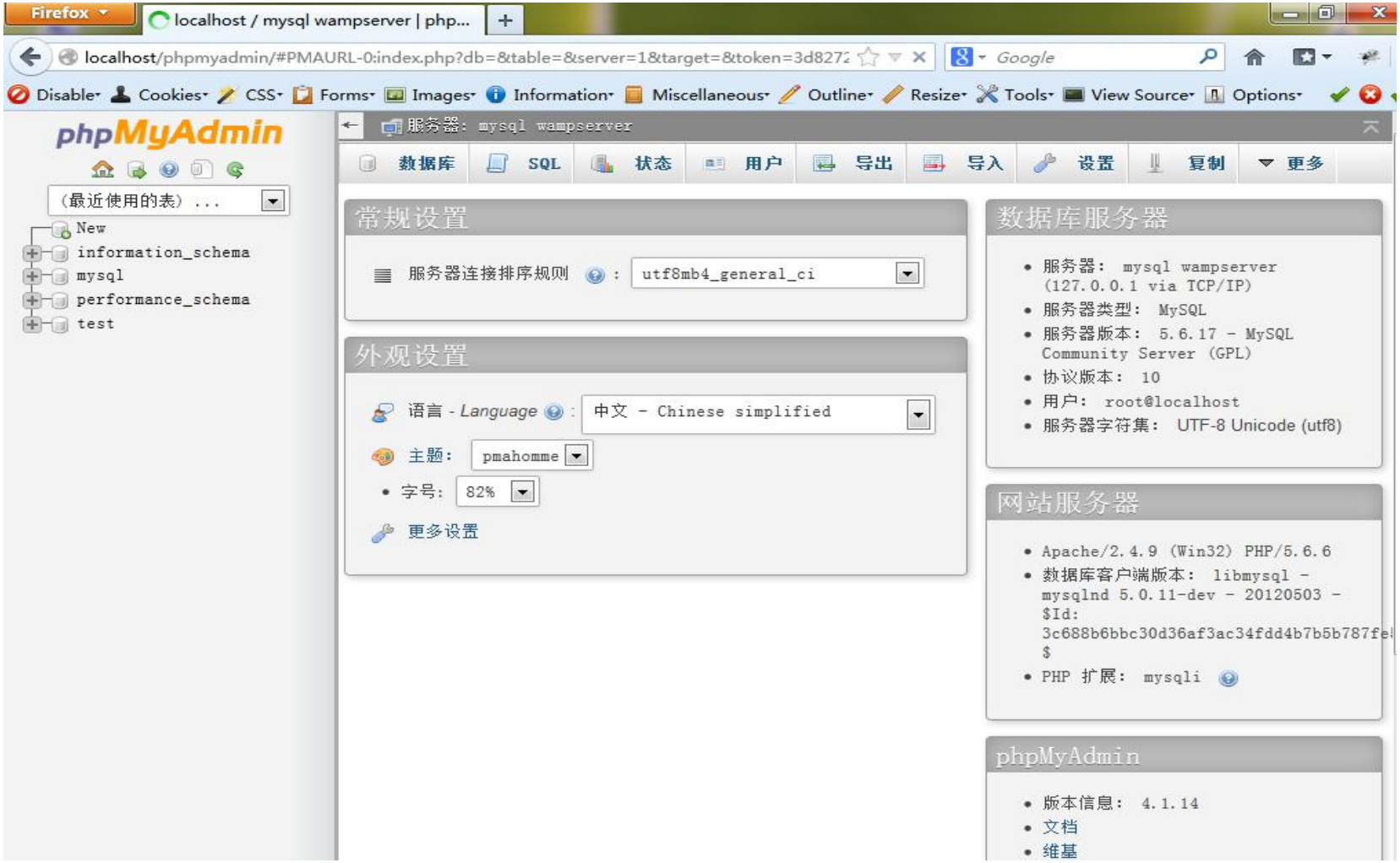
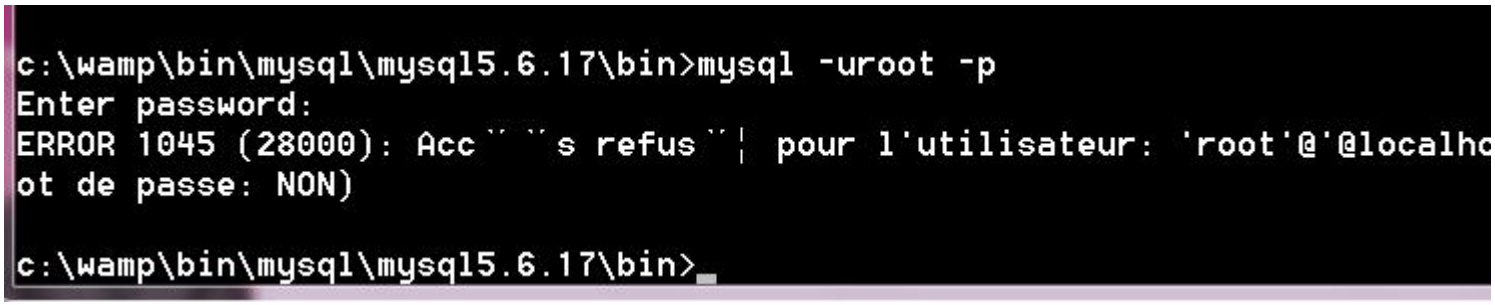


Firefox
localhost / mysql wampserver | php...
localhost/phpmyadmin/#PMAURL-0:index.php?db=&table=&server=1&target=&token=3d8272
Google
Disable Cookies CSS Forms Images Information Miscellaneous Outline Resize Tools View Source Options
phpMyAdmin
（最近使用的表）...
New
information_schema
mysql
performance_schema
test
服务器: mysql wampserver
数据库 SQL 状态 用户 导出 导入 设置 复制 更多
常规设置
服务器连接排序规则 : utf8mb4_general_ci
外观设置
语言 - Language : 中文 - Chinese simplified
主题: pmahomme
字号: 82%
更多设置
数据库服务器
服务器: mysql wampserver (127.0.0.1 via TCP/IP)
服务器类型: MySQL
服务器版本: 5.6.17 - MySQL Community Server (GPL)
协议版本: 10
用户: root@localhost
服务器字符集: UTF-8 Unicode (utf8)
网站服务器
Apache/2.4.9 (Win32) PHP/5.6.6
数据库客户端版本: libmysql - mysqlnd 5.0.11-dev - 20120503 - $Id: 3c688b6bbc30d36af3ac34fdd4b7b5b787fe
PHP 扩展: mysqli
phpMyAdmin
版本信息: 4.1.14
文档
维基

```
mysql>
mysql>
mysql> use mysql;
Database changed
mysql> update mysql.user set password=password('123') where user='root';
Query OK, 3 rows affected (0.00 sec)
Enregistrements correspondants: 3  Modifi茅s: 3  Warnings: 0

mysql>
```

```
mysql> flush privileges;
Query OK, 0 rows affected (0.00 sec)

mysql>
mysql>
```


c:\wamp\bin\mysql\mysql5.6.17\bin>mysql -uroot -p
Enter password:
ERROR 1045 (28000): Acc`` ``s refus``¦ pour l'utilisateur: 'root'@'@localho
ot de passe: NON)
c:\wamp\bin\mysql\mysql5.6.17\bin>

```
c:\wamp\bin\mysql\mysql5.6.17\bin>mysql -u root -p
Enter password: ***
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 5.6.17 MySQL Community Server (GPL)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the curren

mysql> _
```

```
c:\wamp\bin\mysql\mysql5.6.17\bin>
c:\wamp\bin\mysql\mysql5.6.17\bin>mysql -uroot -p123
Warning: Using a password on the command line interface can
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 7
Server version: 5.6.17 MySQL Community Server (GPL)

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

Type 'help;' or '\h' for help. Type '\c' to clear the curren

mysql> exit
Bye
```
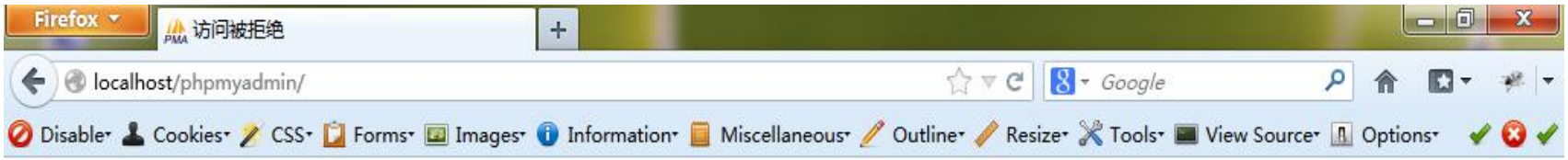



欢迎使用 phpMyAdmin

错误

MySQL 返回：

#1045 - Accès refusé pour l'utilisateur: 'root'@'localhost' (mot de passe: NON)

phpMyAdmin 尝试连接到 MySQL 服务器，但服务器拒绝连接。您应该检查配置文件中的主机、用户名和密码，并确认这些信息与 MySQL 服务器管理员所给出的信息一致。

Retry to connect

```
 */
$i++;
/* Authentication type */
$cfg['Servers'][$i]['verbose'] = 'mysql wampserver';
//$cfg['Servers'][$i]['auth_type'] = 'cookie';
// $cfg['Servers'][$i]['auth_type'] = 'config';
$cfg['Servers'][$i]['user'] = 'root';
$cfg['Servers'][$i]['password'] = '123';
/* Server parameters */
$cfg['Servers'][$i]['host'] = '127.0.0.1';
$cfg['Servers'][$i]['connect_type'] = 'tcp';
$cfg['Servers'][$i]['compress'] = false;
/* Select mysql if your server does not have mysqli */
$cfg['Servers'][$i]['extension'] = 'mysqli';
$cfg['Servers'][$i]['AllowNoPassword'] = true;
```

欢迎使用 phpMyAdmin

语言 - Language

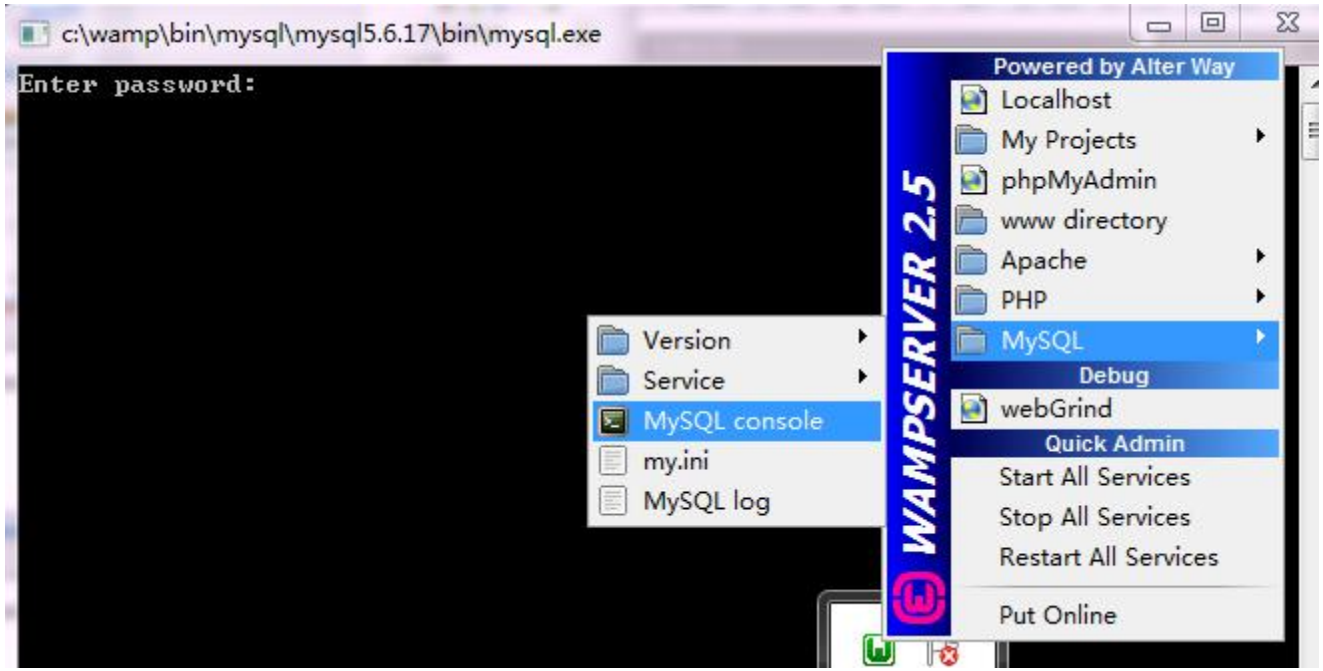
中文 - Chinese simplified

登录

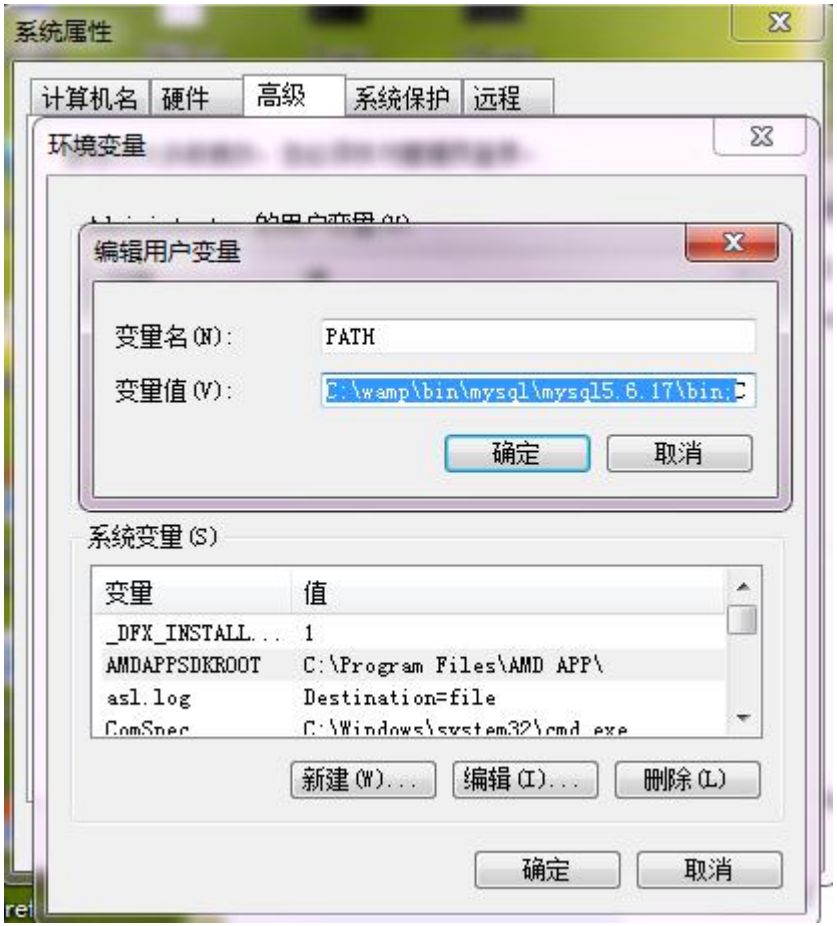
用户名：root

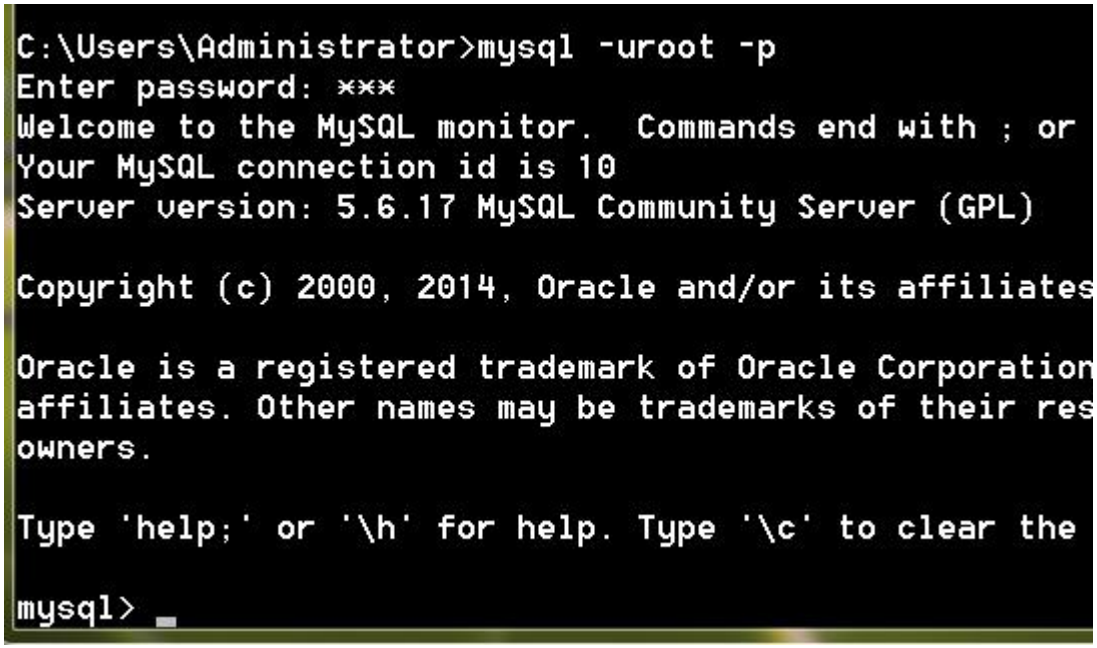
密码：

执行


c:\wamp\bin\mysql\mysql5.6.17\bin\mysql.exe
Enter password:
Version
Service
MySQL console
my.ini
MySQL log
WAMPSERVER 2.5
Powered by Alter Way
Localhost
My Projects
phpMyAdmin
www directory
Apache
PHP
MySQL
Debug
webGrind
Quick Admin
Start All Services
Stop All Services
Restart All Services
Put Online

管理员: C:\Windows\system32\cmd.exe
Microsoft Windows [版本 6.1.7601]
版权所有 (c) 2009 Microsoft Corporation。保留所有权利。
C:\Users\Administrator>mysql
'mysql' 不是内部或外部命令，也不是可运行的程序
或批处理文件。


系统属性
计算机名
硬件
高级
系统保护
远程
环境变量
编辑用户变量
变量名(N):
PATH
变量值(V):
C:\wamp\bin\mysql\mysql5.6.17\bin;C
确定
取消
系统变量(S)
变量
值
_DFX_INSTALL...
1
AMDAPPSDKROOT
C:\Program Files\AMD APP\
asl.log
Destination=file
ComSpec
C:\Windows\system32\cmd.exe
新建(W)...
编辑(I)...
删除(L)
确定
取消


C:\Users\Administrator>mysql -uroot -p
Enter password: ***
Welcome to the MySQL monitor. Commands end with ; or
Your MySQL connection id is 10
Server version: 5.6.17 MySQL Community Server (GPL)
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affiliates. Other names may be trademarks of their res
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the
mysql>

lamp环境测试

1.info.php

```
<?php
phpinfo();
?>
```

2.默认首页

index.php index.html index.htm　//优先级从左到右

3.php标签

<?php php代码 ?>

在页面上嵌套php的方法

1.php输出html代码:

```
<?php
    echo "<html>";
    echo "hello world";
    echo "</html>";
?>
//纯php代码页面
```

2.html中嵌套php代码

```
<html>
        <?php echo "hello world"; ?>
  </html
```

PHP基础语法

1.变量定义
2.变量命名
3.变量输出
4.变量用法
5.变量类型
6.php中字符串连接
7.单双引号使用
8.测试变量
9.删除变量
10.变量类型测试

PHP基础语法

11.php函数分类
12.预定义变量
13.运算符
14.或运算和与运算开关
15.位运算符
16.运算符优先级

变量输出

1)echo $name; //只能输出标量类型的值

2)var_dump($a);

//可以看到值，还可以看到值类型

变量用法

1)普通变量

$str="今天天气不错"

2)可变变量

$$str="aaaaaaaaaaaaa";

3)引用变量

$str=&$str2

//引用原理，内存中的堆和椎

变量类型

1)整型-int
10
//2)浮点型-float
10.3
3)字符串-string
"user1"
4)布尔型-bool
true|false
//以上四种是php语言中的标准类型

变量类型

5)数组-array
array(1,2,3)
//数组的下标可是整型也可是字符串，php和其他语言打交道时最常用的一种数据类型
6)对象-object
//以上两种是php语言中的复合类型
//$object=new person()
7)资源类型-resource
8)null-NULL
//以上两个是php语言中的特殊类型

在php设置字符集

- header("content-type:text/html;charset=utf-8");
- //<meta http-equiv="content-type" content="text/html;charset=utf-8" />

php中字符串的连接

- echo "我的名字叫".$name;

单双引号的区别

1.双引号中可以解析变量
2.单引号中不会解析变量
3.双引号中变量尽量用{}括起来
4.双引号中只是解析变量并不会执行表达式，要执行用.连接
5.单引号和双引号要交叉使用
6.单引号用单引号时要在之前加\把特殊性取消掉
7.双引号用双引号时要在之前加\把特殊性取消掉

1. 官方网址: www.yzmedu.com

2. 咨询电话: 400-105-8680

3. 官方微信: lampym