

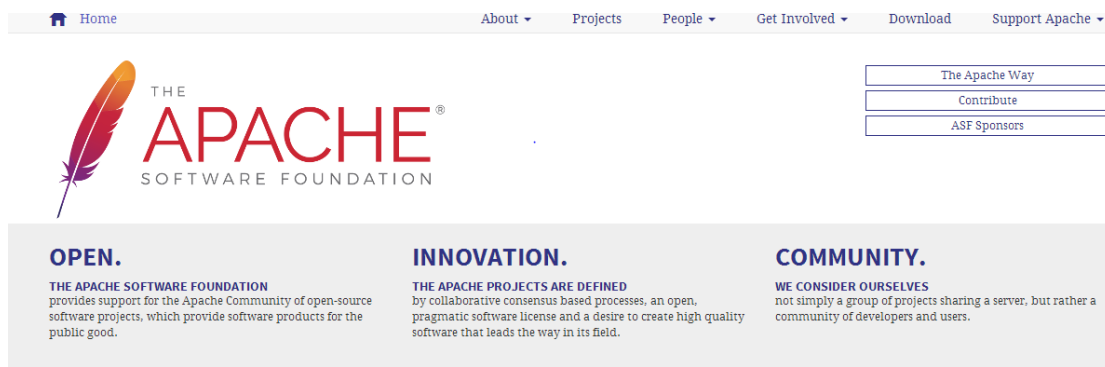
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An experience of installing the programming software and configuring the environment in English

One day in my winter holiday, I had to install php (a programming software) for my afterclass study. I have had searched a English tutorial, and then according to the above steps to implement.

Install and Configue

Frist , I have to install software called “Apache” which is a Web server software . I opened its official website.



APACHE PROJECTS

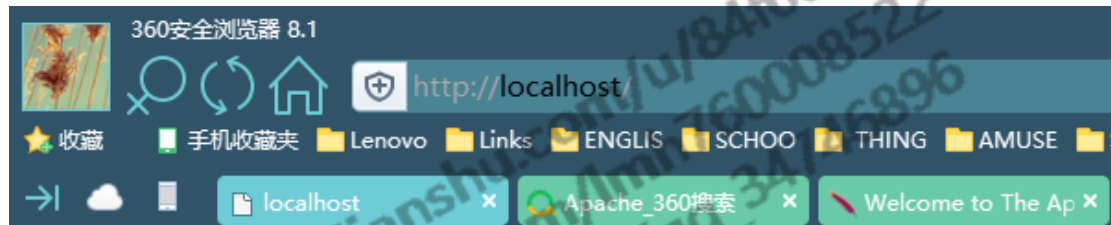
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I downloaded it quickly and installed it .

Then, I have to check whether it has been installed successfully .

In the browser address bar, type:http://localhost/,and go to the web .

It works!



It works!

Second , I need to configure the Apache.

1.Configure the virtual host

If you want to through the domain name visit the web site, need through the Apache services configured in the virtual host. First of all need to start the auxiliary configuration HTTPD - vhosts. Conf, find the Apache HTTPD configuration. The Lord of the conf "# include the conf/extra/HTTPD - vhosts. Conf", take out"#" , and then in the HTTP - vhosts you should add the following code in the conf:

```
# Virtual hosts
Include conf/extra/httpd-vhosts.conf
<VirtualHost *:80>
    DocumentRoot "D:/Apache/htdocs"
    ServerName www.bz.com
</VirtualHost>
|
```

However,when i test it . It failed.



嗯，我们无法访问该页面。

尝试此操作

- 请确保你已获取正确的网址: <http://www.bz.com>
- [刷新页面](#)
- [搜索你想要的内容](#)

2.Configure access

Because of the the above problems.I had to configure access.

Add the following code.

```
# Virtual hosts
Include conf/extra/httpd-vhosts.conf
<VirtualHost *:80>
    DocumentRoot "D:/Apache/htdocs"
    ServerName www.bz.com
    <Directory "D:/Apache/htdocs">
        Order allow,deny
        Allow from all
    </Directory>
</VirtualHost>
```

Test it again.

The page you are looking at is being generated dynamically by CodeIgniter.

If you would like to edit this page you'll find it located at:

```
application/views/welcome_message.php
```

The corresponding controller for this page is found at:

```
application/controllers/Welcome.php
```

If you are exploring CodeIgniter for the very first time, you should start by reading the [User Guide](#).

Success!

Third , I started to install “PHP” when “Apache” have been successfully installed which is the core of running the program.

1.Extract the installation package

which was downloaded from the PHP official website.

But there are so many types on the website ,which one should I install?

The screenshot shows the PHP Windows installer website. It lists several build options for Windows, categorized by compiler version (VC11, VC14) and thread safety (Thread Safe, Non Thread Safe). For each option, it provides a download link (Zip or Debug Pack) and the file size. A note indicates that x64 builds are currently experimental. The website also includes links to MSDN, Visual C++ Team Blog, and a PHP PGO build for maximum performance (old). A small green icon in the bottom right corner indicates a 61% download progress.

Luckily the explanation has been showed on its website .

The screenshot shows the PHP website's "Which version do I choose?" section. It provides guidance for users of IIS and Apache. For IIS, it recommends using the Non-Thread Safe (NTS) versions of PHP. For Apache, it recommends using the Thread Safe (TS) versions of PHP. It also provides links to the Apache Lounge for downloading the necessary binaries. The section is titled "Which version do I choose?" and includes sub-sections for "IIS" and "Apache".

TS and NTS

TS refers to multithread capable builds.
NTS refers to single thread only builds. Use case for **TS** binaries involves interaction with a multithreaded **SAPI** and PHP loaded as a module into a web server. For **NTS** binaries the widespread use case is interaction with a web server through the FastCGI protocol, utilizing no multithreading (but also for example CLI).

After reading those message, I choose “VC11 x86 Thread Safe (2016-Sep-16 07:20:14)” to download.

2.Introduction of PHP module in Apache

Open“httpd.conf”,add the following code.

```
LoadModule php_7 module "D:/php7/php7phpdbg.dll"  
AddType application/x-httpd-php .php .html  
PHPIniDir "D:/php7"  
|
```

A)Create the PHP configuration file

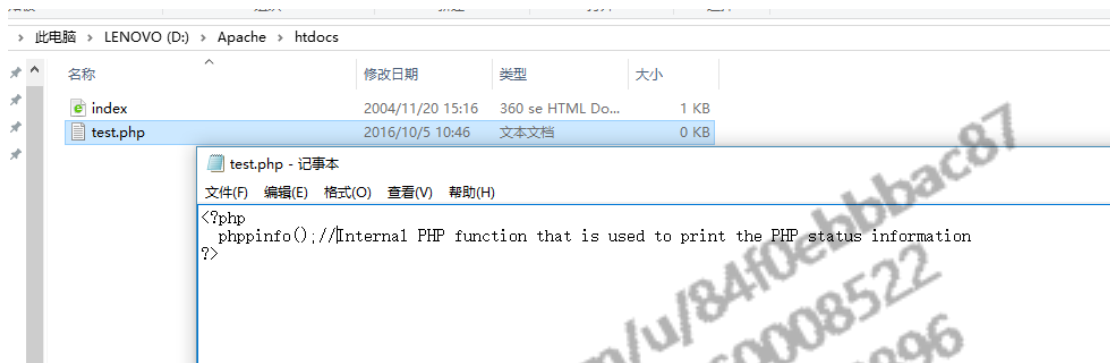
Copy file ”php.ini-development” and change its name to ”php.ini”.

B)Restart “Apache”

C)Test whether “PHP” has been successfully installed

Create a new file called “test.php ” in “D:/Apache/htdocs” and write the following code:

```
<?php  
phpinfo();  
/*Internal PHP function that is used to print the PHP status information*/  
?>
```



Then use “localhost/test.php” browser to access address.



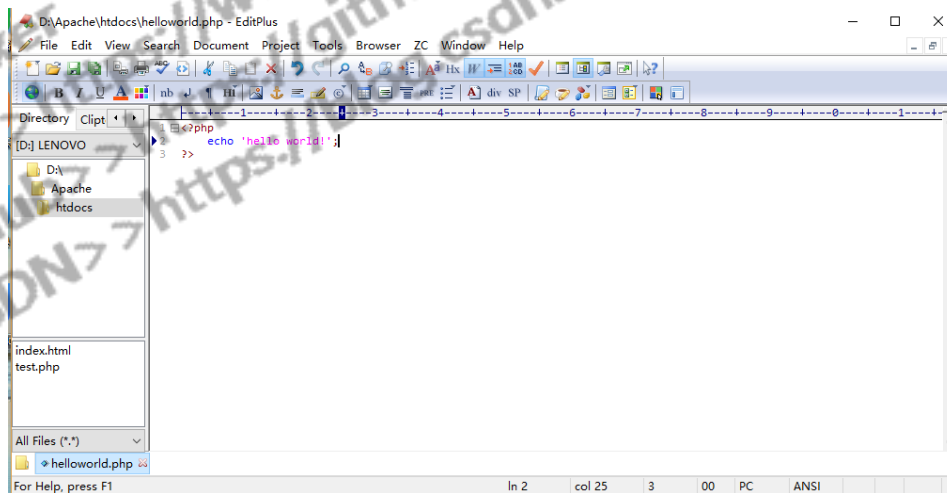
System	Windows NT LENOVO-PC 6.2 build 9200 (Unknow Windows version Home Premium Edition) i586
Build Date	Aug 15 2014 19:15:47
Compiler	MSVC9 (Visual C++ 2008)
Architecture	x86
Configure Command	cscript /nologo configure.js "--enable-snapshot-build" "--disable-isapi" "--enable-debug-pack" "--without-mssql" "--without-pdo-mssql" "--without-pi3web" "--with-pdo-oci=C:\php-sdk\oracle\instantclient10\sdk,shared" "--with-oci8=C:\php-sdk\oracle\instantclient10\sdk,shared" "--with-oci8-11g=C:\php-sdk\oracle\instantclient11\sdk,shared" "--enable-object-out-dir=../obj/" "--enable-com-dotnet=shared" "--with-mcrypt=static" "--disable-static-analyze"
Server API	Apache 2.0 Handler
Virtual Directory Support	enabled
Configuration File (php.ini) Path	C:\WINDOWS
Loaded Configuration File	D:\phpStudy\php53\php.ini
Scan this dir for additional .ini files	(none)
Additional .ini files parsed	(none)
PHP API	20090626

It works!

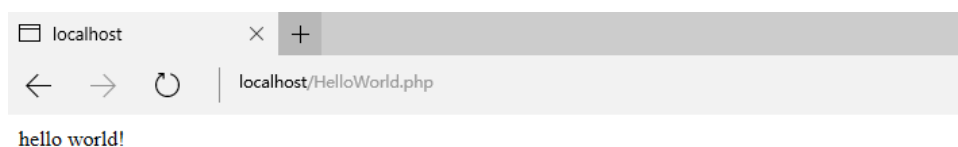
Test

Since two software has been installed and good development environment has been built . Let me write a program to familiar with the use of PHP development tools and understand the characteristics of the PHP language .

First, summer in the root directory of the server to create a new file, named HelloWorld. PHP. Then open the editor to edit the program .



Second, enter “http://localhost/HelloWorld.php” in the browser .



I successful finally!!!

Reflections

First, through this installation and environment configuration, great exercise my ability of software installation operation and the ability to check data and applied to the actual situation.

Second, the whole process of English also let me real use English to solve the practical problems in life, realize the importance of learning English well. Only to learn English well, we can widening our vision to the world.

Thus we can have a better development.

Third, having had all sorts of difficulties and failures, the final success is often the most sweet!