



## osCommerce 设计报告

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## 第一部分 osCommerce 概述

### 1.1 About osCommerce

osCommerce is an online shop e-commerce solution that offers a wide range of out-of-the-box features that allows online stores to be setup fairly quickly with ease, and is available for free as an Open Source based solution released under the GNU General Public License.

osCommerce was started in March 2000 and has since matured to a solution that is currently powering 13,993 registered live shops around the world.

Today, osCommerce has been taken to the next level, moving towards an e-commerce framework solution that not only remains easy to setup and maintain, but also making it easier for store administrators to present their stores to their customers with their own unique requirements.

The success of osCommerce is secured by a great and active community where members help one another out and participate in development issues reflecting upon the current state of the project.

### 1.2 About osCommerce Philosophy

Open Source software provides an opportunity for people to work on software with others that share the same interest, exchanging ideas, knowledge, and work with one another, to expand and improve the

solution.

The motivation for working on Open Source software originates at different sources, which include working on the software for fun as a hobby, to make the software meet own requirements, and to bring commercial interest into the software.

It is this combination of motivations that has brought together a team of developers to successfully make what osCommerce is today - and what it will be in the future - and an active and growing community, with each person having their own unique requirements but ultimately sharing the same goal: to use the software and to make it a better solution.

Open Source software always remains open providing the opportunity for anyone that is interested to work on it, at any time.

Because Open Source software is open, it provides a choice. The choice to use the software, the choice to learn the software, and the choice to join, share, and participate in a community - a community full of enthusiastic supporters that want to see the software grow and succeed.

It is this very reason why Open Source software is successful, and most importantly, why it works.

## 第二部分 osCommerce 环境搭建

### 2.1 总体环境概述

VM 下的 Linux+Apache+Mysql+Php

软件下载: Apache <http://httpd.apache.org/>

Mysql <http://www.mysql.com/downloads/>

PHP <http://www.php.net/downloads.php>

Apache、Mysql、PHP 均选择适用于 Linux 下安装的软件版本。

我选择的版本如下:

Apache: httpd-2.2.9.tar.gz

Mysql: mysql-5.0.22.tar.gz

PHP: php5.2.tar.gz

### 2.2 Apache 的安装与调试

首先找到安装包所在的目录 (我使用的目录为 /misc )

```
# cd /misc
```

```
# tar -zxvf httpd-2.2.4.tar.gz (解压软件包)
```

```
# cd httpd-2.2.4 (进入解压的目录)
```

```
# ./configure --prefix=/usr/local/apache (配置)
```

注: --prefix 设置安装路径

```
# make (编译)
```

```
# make install    (安装)
```

```
# cd /usr/local/apache/conf  进入 apache 的配置目录
```

```
# vi httpd.conf    编辑一下配置文件
```

SeverRoot 为服务器的根目录

DocumentRoot 为网站的默认目录

DirectoryIndex 为默认主页，在后面追加文件名即可

```
# cd /usr/local/apache/bin
```

```
# ./apachectl start    启动 Apache 服务器
```

在客户端浏览器输入本机地址 <http://localhost/> 或者 <http://127.0.0.1/> 进行测试，显示如图 1 所示，表明 Apache 已成功启动。

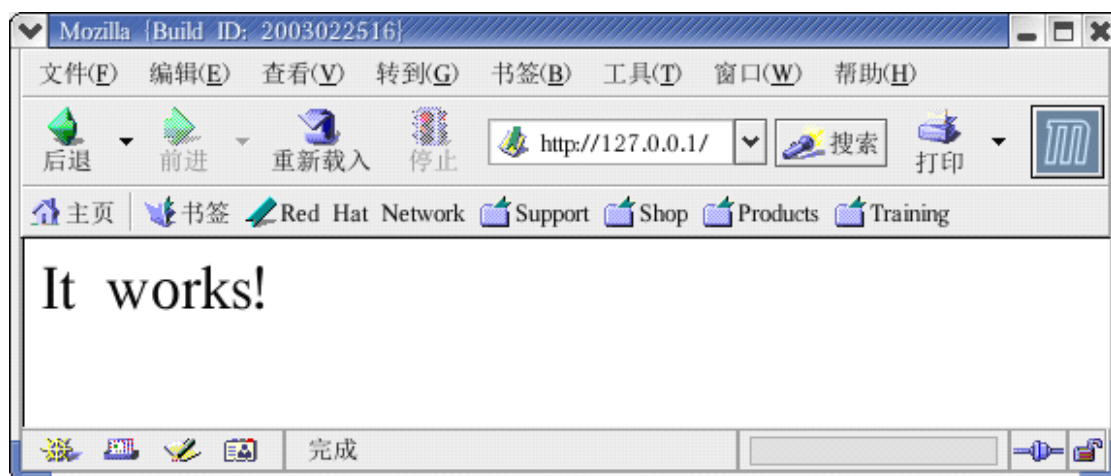


图 1

### 2.3 MySQL 的安装

```
# tar -zxvf mysql-5.0.22.tar.gz
```

```
# cd mysql-5.0.22
```

```
# ./configure --prefix=/server/mysql --with-charset=utf8
```

```
# make
```

```
#make install
```

## 2.4 PHP 的安装

```
# tar -t zxvf php5.2.tar.gz

# cd php5.2

# ./configure --prefix=/usr/local/php --with-apxs2=/usr/local/apache
/bin/apxs

# make

# make install

# cp php.ini-recommended /usr/local/php/lib php.ini
```

至此 Linux 下的 PHP 环境搭建完毕！

## 2.5 Xampp 的安装与调试

鉴于这样搭建环境的繁琐，可以用另外一种方法来搭建环境。

那就是用 XAMPP 来搭建，X 代表任何操作系统，表示适用于任何操作系统，A 代表 Apache，M 代表 MySQL，一个 P 代表 PHP，另一个 P 代表 PhpMyAdmin，是用来管理 MySQL 数据库的。

可以从网上下载到 XAMPP 的源码包，下载地址：

<http://www.apachefriends.org/en/xampp-linux.html> 我下载的是 xampp.tar.gz，我将该包放到了 /opt 下，然后执行以下命令：

```
# cd /opt

# tar -xzvf xampp.tar.gz

# ls          查看该文件夹，发现多了一个 lampp 文件夹

#/opt/lamp/lamp start
```

运行结果如图 2

启动过程中有个错误，Couldn't start ProFTPD，这个并不影响 PHP 的运行，ProFTPD 是用来搭建 FTP 环境的。



图 2

接下来，在浏览器中输入本机地址 <http://localhost> 或者 <http://127.0.0.1> 运行结果如图 3:

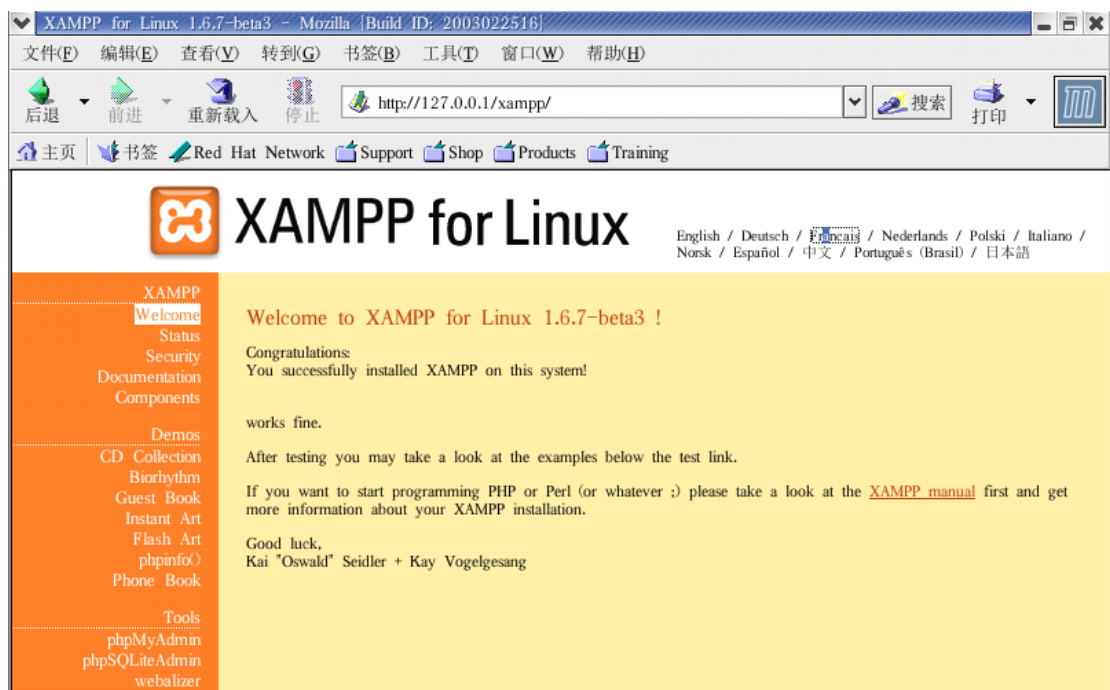


图 3

表明环境已搭建完毕。

点击左下方 phpMyAdmin，进入管理 MySql 的页面。如图 4



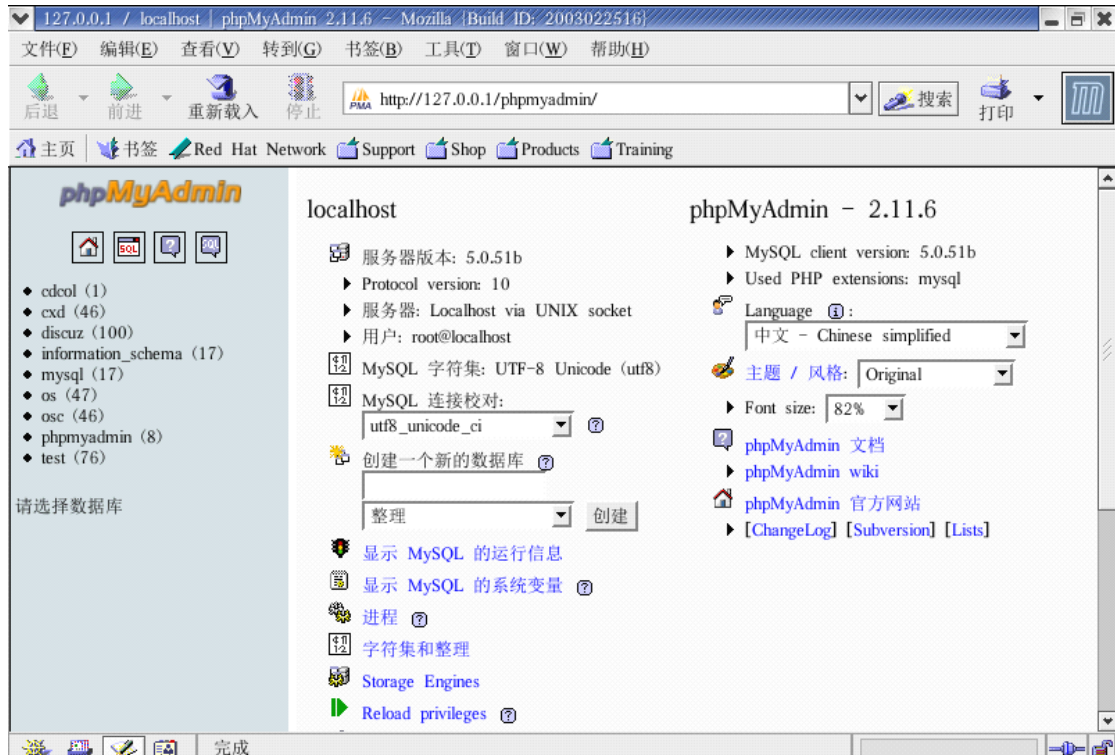


图 4

创建一个新的数据库 oscommerce，只创建数据库，不创建表，留作 oscommerce 使用。

## 第三部分 osCommerce 的安装与调试

### 3.1 源码下载

接下来就可以安装 osCommerce，首先要下载 osCommerce 的源码包，官方下载地址：<http://www.oscommerce.com/solutions/downloads>

### 3.2 安装

/opt/lampp/htdocs 为 lampp 默认的文档路径。

将下载的源码包解压，解压后将 catalog 拷贝到/opt/lampp/htdocs 下，并重命名为 oscommerce，命令如下：

```
# cp catalog /opt/lampp/htdocs
```

```
# mv catalog oscommerce
```

然后在浏览器地址中输入 <http://localhost/oscommerce>

浏览器会自动跳转到 <http://localhost/oscommerce/install/index.php> 页面进行安装，如图 5 所示：

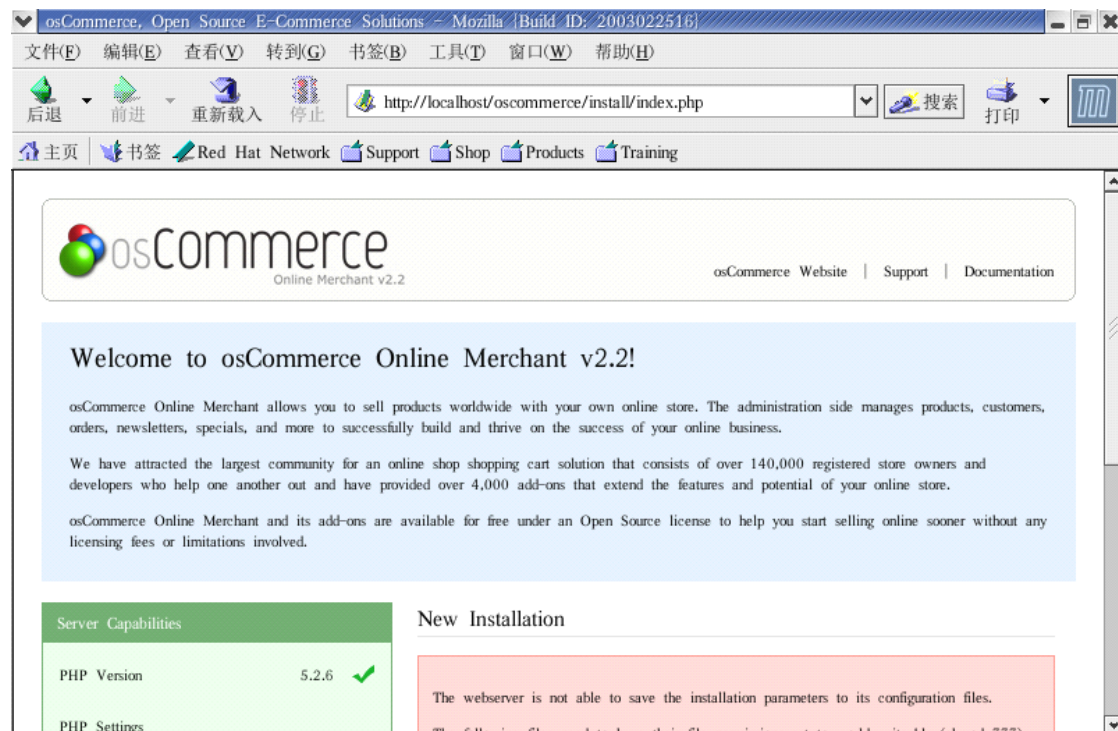


图 5

看左下方 Server Capabilities，绿色的对号表示环境搭建好了，如图 6:

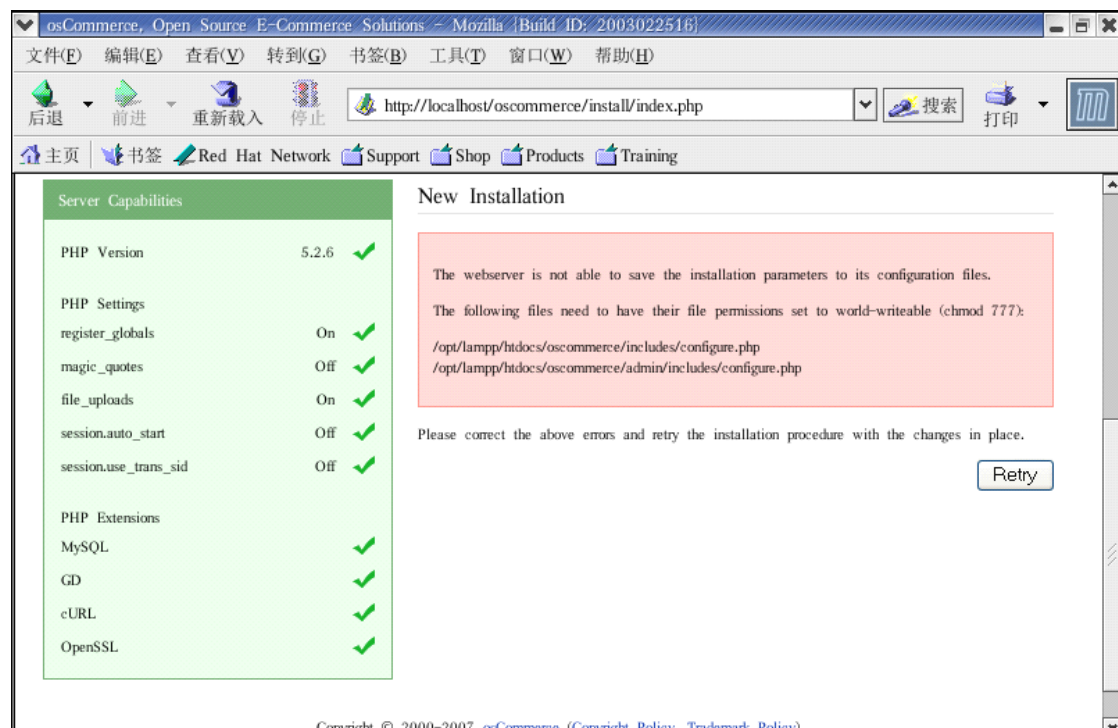
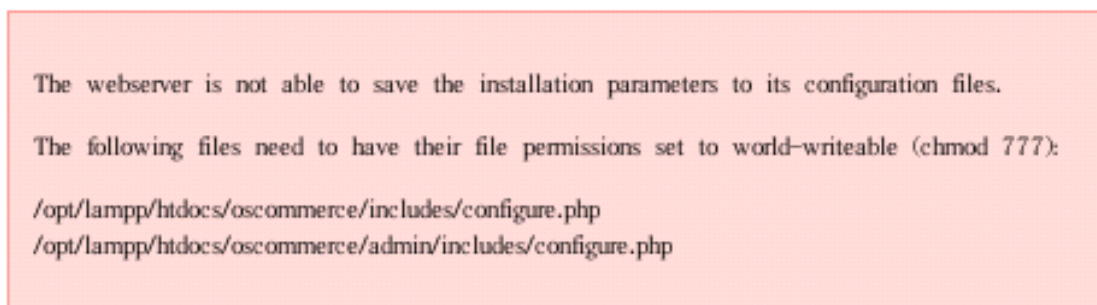


图 6

再看右面 New Installation，颜色是粉红色的，下面按钮是 Retry，再详细看下里面的信息，如图 7：



Please correct the above errors and retry the installation procedure with the changes in place.

Retry

图 7

这意思是说有些配置文件没有被写入的权限，所以无法安装，而且它列出了需要配置属性的文件路径，下面找到这两个文件并修改其属性。

```
# cd /opt/lampp/htdocs/oscommerce/includes
```

```
# chmod 777 configure.php
```

```
# cd /opt/lampp/htdocs/oscommerce/admin/includes
```

```
# chmod 777 configure.php
```

刷新安装的页面，此时页面变成如图 8 所示：

## New Installation

---

The webserver environment has been verified to proceed with a successful installation and configuration of your online store.

Please continue to start the installation procedure.

Continue

图 8

点击 Continue 继续下一步，进入配置数据库服务器的页面，如图 9:

The screenshot shows a configuration window titled "Database Server". On the left, a green box contains the text: "Step 1: Database Server. The database server stores the content of the online store such as product information, customer information, and the orders that have been made. Please consult your server administrator if your database server parameters are not yet known." The main form has four fields: "Database Server" (with a tooltip: "The address of the database server in the form of a hostname or IP address."), "Username" (with a tooltip: "The username used to connect to the database server."), "Password" (with a tooltip: "The password that is used together with the username to connect to the database server."), and "Database Name" (with a tooltip: "The name of the database to hold the data in."). At the bottom right are "Continue" and "Cancel" buttons.

图 9

Database Server 处填入本机的地址，<http://127.0.0.1>;

Username 处填写 Mysql 的管理员的名字，此处默认的要填写 root;

Password 处填写对应的密码，此处默认为空;

Database Name 处填写数据库的名字，前面新建的 oscommerce;

点击 Continue 继续下一步，左边显示如图 10 所示:

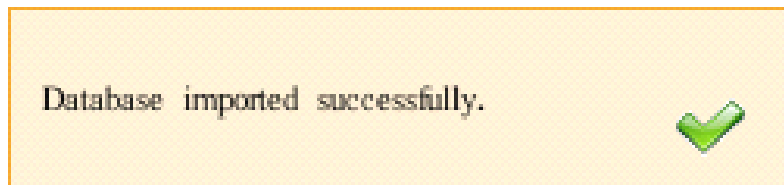


图 10

然后点击 Continue，进入配置 Web 服务器的页面，如图 11:

The screenshot shows a configuration window titled "Web Server". On the left, a green box contains the text: "Step 2: Web Server. The web server takes care of serving the pages of your online store to your guests and customers. The web server parameters make sure the links to the pages point to the correct location." The main form has two fields: "WWW Address" (with a tooltip: "The web address to the online store.") and "Webservice Root Directory" (with a tooltip: "The directory where the online store is installed on the server."). At the bottom right are "Continue" and "Cancel" buttons.

图 11

这里默认的一般不需要修改。

WWW Address 表示 osCommerce 的本机地址路径;

Webserver Root Directory 表示 osCommerce 的存放路径；

点击 Continue，进入 osCommerce 网上商店的简单设置页面，如图 12 所示：

Step 3: Online Store Settings

Here you can define the name of your online store and the contact information for the store owner.

The administrator username and password are used to log into the protected administration tool section.

Online Store Settings

Store Name	The name of the online store that is presented to the public.
Store Owner Name	The name of the store owner that is presented to the public.
Store Owner E-Mail Address	The e-mail address of the store owner that is presented to the public.
Administrator Username	The administrator username to use for the administration tool.
Administrator Password	The password to use for the administrator account.

Continue Cancel

图 12

Store Name 填写商店的名称；

Store Owner Name 处填写商店所有者的名字；

Store Owner E-Mail Address 填写所有者的邮箱地址；

Administrator Username 处填写管理员的用户名；

Administrator Password 处填写管理员的密码；

填写完毕，点击 Continue，如图 13 所示：

Step 4: Finished!

Congratulations on installing and configuring osCommerce Online Merchant as your online store solution!

We wish you all the best with the success of your online store and welcome you to join and participate in our community.

- The osCommerce Team

Finished!

The installation and configuration was successful!

Catalog Administration Tool

Copyright © 2000-2007 osCommerce (Copyright Policy, Trademark Policy)  
osCommerce provides no warranty and is redistributable under the GNU General Public License

图 13

到此 osCommerce 安装结束，点击 Catalog 进入网店的首页，点击 Administration Tool 进入后台管理页面。

安装完毕，为安全起见，建议将 install 文件夹删除。

### 3.3 调试

在浏览器输入 <http://localhost/oscommerce> 进入首页，如图 14 所示：

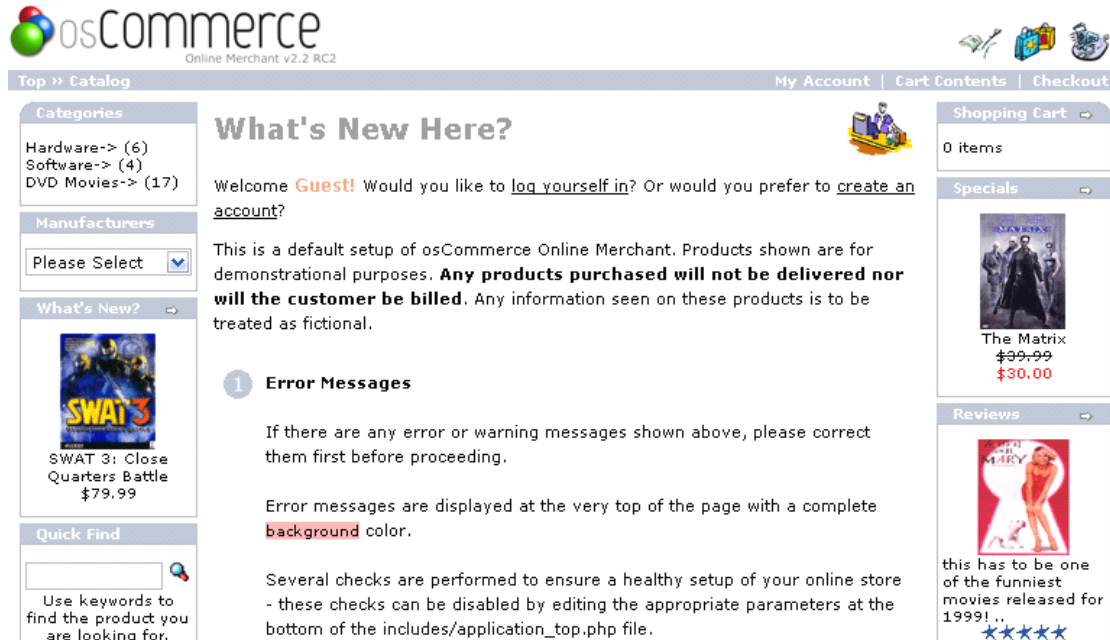


图 14

看到网页中间有个错误提示，仔细看一下该信息，如图 15 所示：

Error messages are displayed at the very top of the page with a complete **background** color.

Several checks are performed to ensure a healthy setup of your online store - these checks can be disabled by editing the appropriate parameters at the bottom of the includes/application\_top.php file.

#### 2 Editing Page Texts

The text shown here can be modified in the following file, on each language basis:

```
[path to catalog]/includes/languages/english/index.php
```

That file can be edited manually, or via the Administration Tool with the **Languages->English->Define** or **Tools->File Manager** modules.

The text is set in the following manner:

```
define('TEXT_MAIN', 'This is a default setup of the osCommerce project...');
```

The text highlighted in green may be modified - it is important to keep the define() of the TEXT\_MAIN keyword. To remove the text for TEXT\_MAIN

图 15

在后台找到 Tools-File Manager-include-languages-english-index.php, 如图 16 所示:

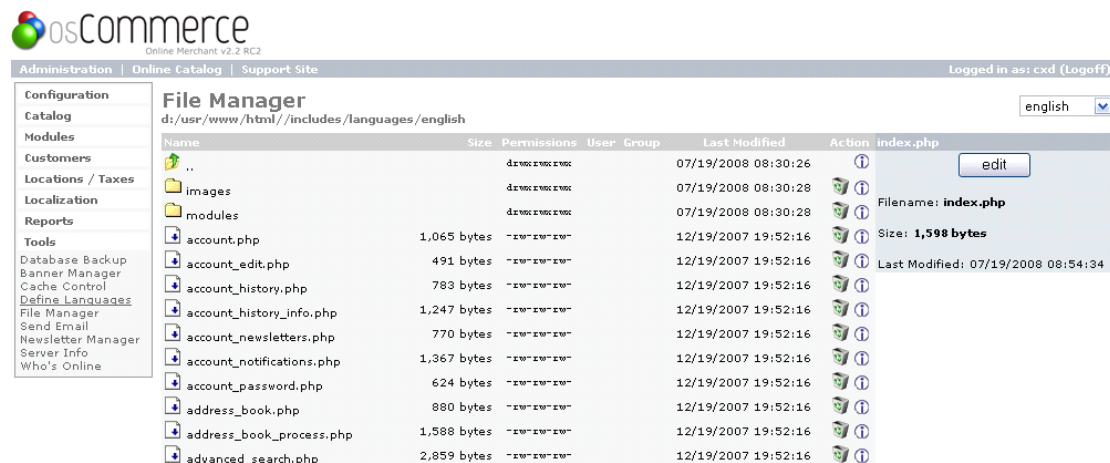


图 16

右面点击 edit, 进入编辑页面, 如图 17 所示:

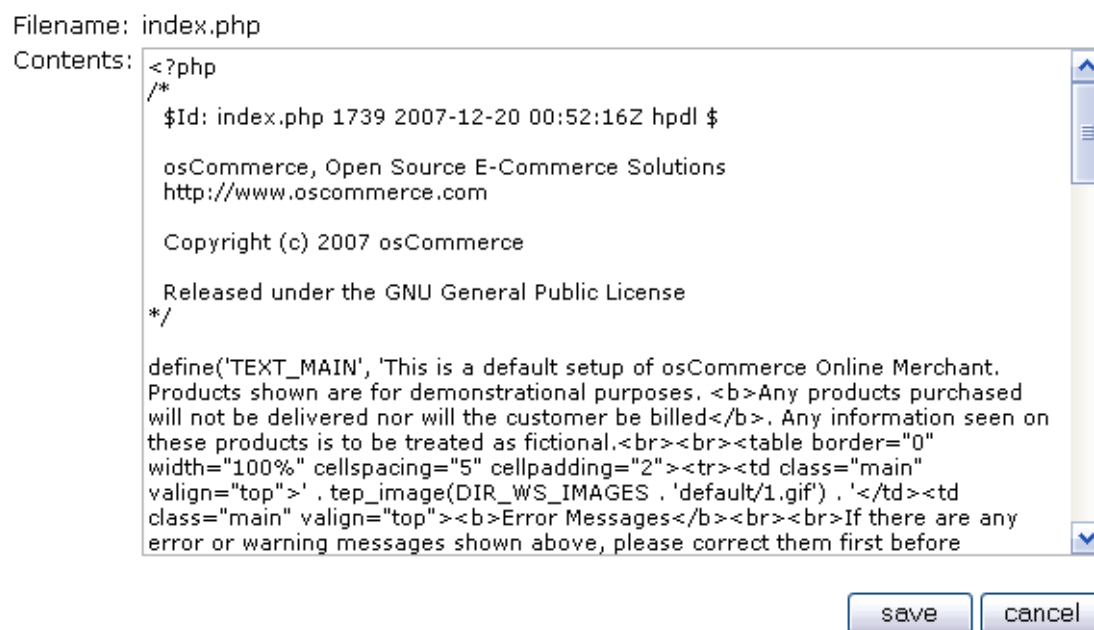


图 17

将前面的代码改为 `define('TEXT_MAIN',')`, 也就是第二个引号中间的内容都去掉就哦了。

保存, 然后重新回到浏览器打开首页, 可见现在错误信息已经没有了, 如图 18 所示:

Top >> Catalog My Account | Cart Contents | Checkout

**Categories**

Hardware-> (6)  
Software-> (4)  
DVD Movies-> (17)

**Manufacturers**

Please Select

**What's New?**

Disciples: Sacred Lands  
\$90.00

**Quick Find**

Use keywords to find the product you are looking for.

## What's New Here?

Welcome **Guest!** Would you like to [log yourself in?](#) Or would you prefer to [create an account?](#)

**New Products For July**

 The Matrix \$30.00	 Fire Down Below \$29.99	 Courage Under Fire \$29.99
 SWAT 3: Close Quarters Battle \$79.99	 Microsoft IntelliMouse Pro \$39.99	 Microsoft IntelliMouse Explorer \$64.95

**Shopping Cart**

0 items

**Bestsellers**

01. The Matrix

**Specials**

Blade Runner - Director's Cut  
~~\$35.99~~  
**\$30.00**

**Reviews**

图 18

## 第四部分 osCommerce 的使用

### 4.1 怎样购物

#### Regist a new customer:

##### Welcome, Please Sign In

<p><b>New Customer</b></p> <p>I am a new customer.</p> <p>By creating an account at MonanSha you will be able to shop faster, be up to date on an orders status, and keep track of the orders you have previously made.</p> <p style="text-align: right;"></p>	<p><b>Returning Customer</b></p> <p>I am a returning customer.</p> <p><b>E-Mail Address:</b> <input type="text"/></p> <p><b>Password:</b> <input type="password"/></p> <p>Password forgotten? <a href="#">Click here.</a></p> <p style="text-align: right;"></p>
--	--

#### Login in——My Account Info:



## My Account Information

### My Account



- ➔ View or change my account information.
- ➔ View or change entries in my address book.
- ➔ Change my account password.

### My Orders



- ➔ View the orders I have made.

### E-Mail Notifications



- ➔ Subscribe or unsubscribe from newsletters.
- ➔ View or change my product notification list.

## Shopping:

### Microsoft IntelliMouse Explorer

[MSIMEXP]

Microsoft introduces its most advanced mouse, the IntelliMouse Explorer! IntelliMouse Explorer features a sleek design, an industrial-silver finish, a glowing red underside and taillight, creating a style and look unlike any other mouse. IntelliMouse Explorer combines the accuracy and reliability of Microsoft IntelliEye optical tracking technology, the convenience of two new customizable function buttons, the efficiency of the scrolling wheel and the comfort of expert ergonomic design. All these great features make this the best mouse for the PC!

**\$64.95**



Click to enlarge

Available Options:

Model:

For more information, please visit this products [webpage](#).

This product was added to our catalog on Tuesday 15 July, 2008.

**Reviews**

**Add to Cart**

## Customer's Cart

### What's In My Cart?



Remove	Product(s)	Qty.	Total
	 Microsoft IntelliMouse Explorer - Model PS/2	<input type="text" value="1"/>	\$64.95

Sub-Total: \$64.95

**Update**

**Continue Shopping**

**Checkout**



## Delivery Info:

## Delivery Information



### Shipping Address

Please choose from your address book where you would like the items to be delivered to.

**Change Address**

**Shipping Address:** Xiaodong Cao  
Da xue xi lu 235 hao  
Huhhot, 010021  
Inner Mongolia, China



### Shipping Method

This is currently the only shipping method available to use on this order.

**Flat Rate**

Best Way

\$5.00

### Add Comments About Your Order

**Continue Checkout Procedure**  
to select the preferred payment method.

**Continue**

Delivery Information      Payment Information      Confirmation      Finished!

## Payment Info:

## Payment Information



### Billing Address

Please choose from your address book where you would like the invoice to be sent to.

**Change Address**

**Billing Address:** Xiaodong Cao  
Da xue xi lu 235 hao  
Huhhot, 010021  
Inner Mongolia, China



### Payment Method

Please select the preferred payment method to use on this order.

**Please Select**

**Credit Card**

**Cash on Delivery**



### Add Comments About Your Order

**Continue Checkout Procedure**  
to confirm this order.

**Continue**

## Order Confirmation:

## Order Confirmation



<b>Delivery Address</b> <a href="#">(Edit)</a> Xiaodong Cao Da xue xi lu 235 hao Huhhot, 010021 Inner Mongolia, China <b>Shipping Method</b> <a href="#">(Edit)</a> Flat Rate (Best Way)	<b>Products</b> <a href="#">(Edit)</a> 1 x Microsoft IntelliMouse Explorer - Model: PS/2 \$64.95
--	---

### Billing Information

<b>Billing Address</b> <a href="#">(Edit)</a> Xiaodong Cao Da xue xi lu 235 hao Huhhot, 010021 Inner Mongolia, China <b>Payment Method</b> <a href="#">(Edit)</a> Credit Card	Sub-Total: \$64.95 Flat Rate (Best Way): \$5.00 Total: <b>\$69.95</b>
---	---

### Payment Information

Credit Card Owner:	<input type="text" value="Xiaodong Cao"/>
Credit Card Number:	<input type="text"/>
Credit Card Expiry Date:	<input type="text" value="January"/> <input type="text" value="2008"/>

**Confirm Order**

## Order OK:



### Your Order Has Been Processed!

Your order has been successfully processed! Your products will arrive at their destination within 2-5 working days.

Please notify me of updates to the products I have selected below:

Microsoft IntelliMouse Explorer

**Thanks for shopping with us online!**

**Continue**

Delivery Information

Payment Information

Confirmation

**Finished!**

## 4.2 后台管理

由于时间原因，后台管理暂不做详细介绍了！

结合我们的物流管理系统，介绍一下 PayPal 接口技术。

下面看一下后台管理的 Payment 图示，如图 19 所示：

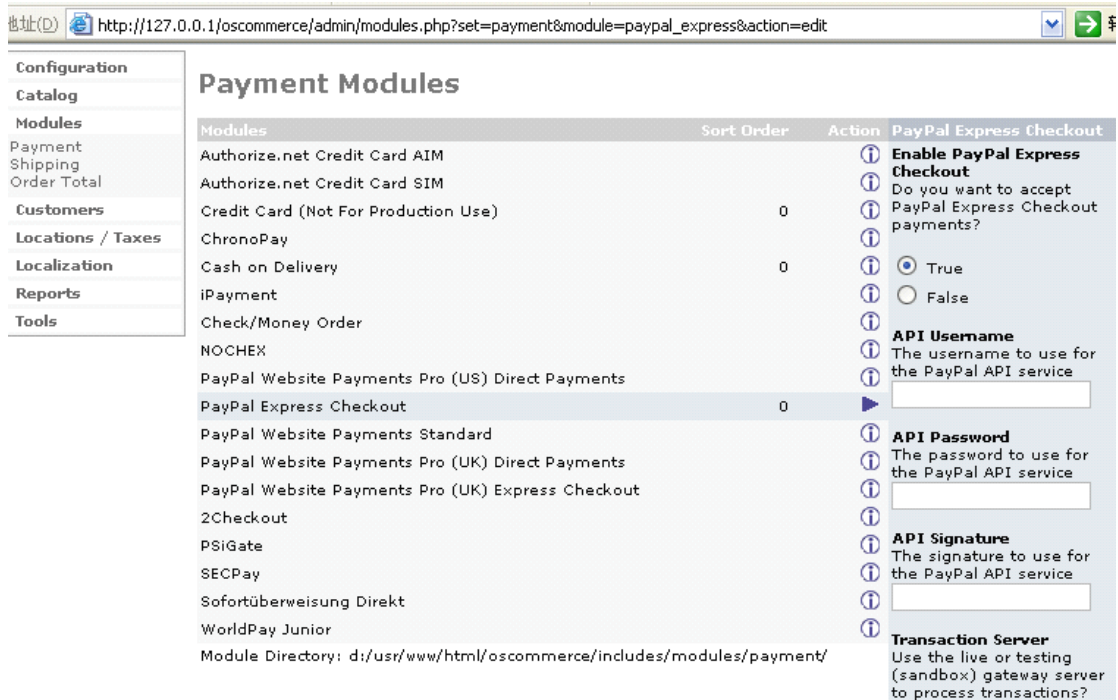


图 19

PayPal Express Checkout 接口的详细设置，如图 20 所示：

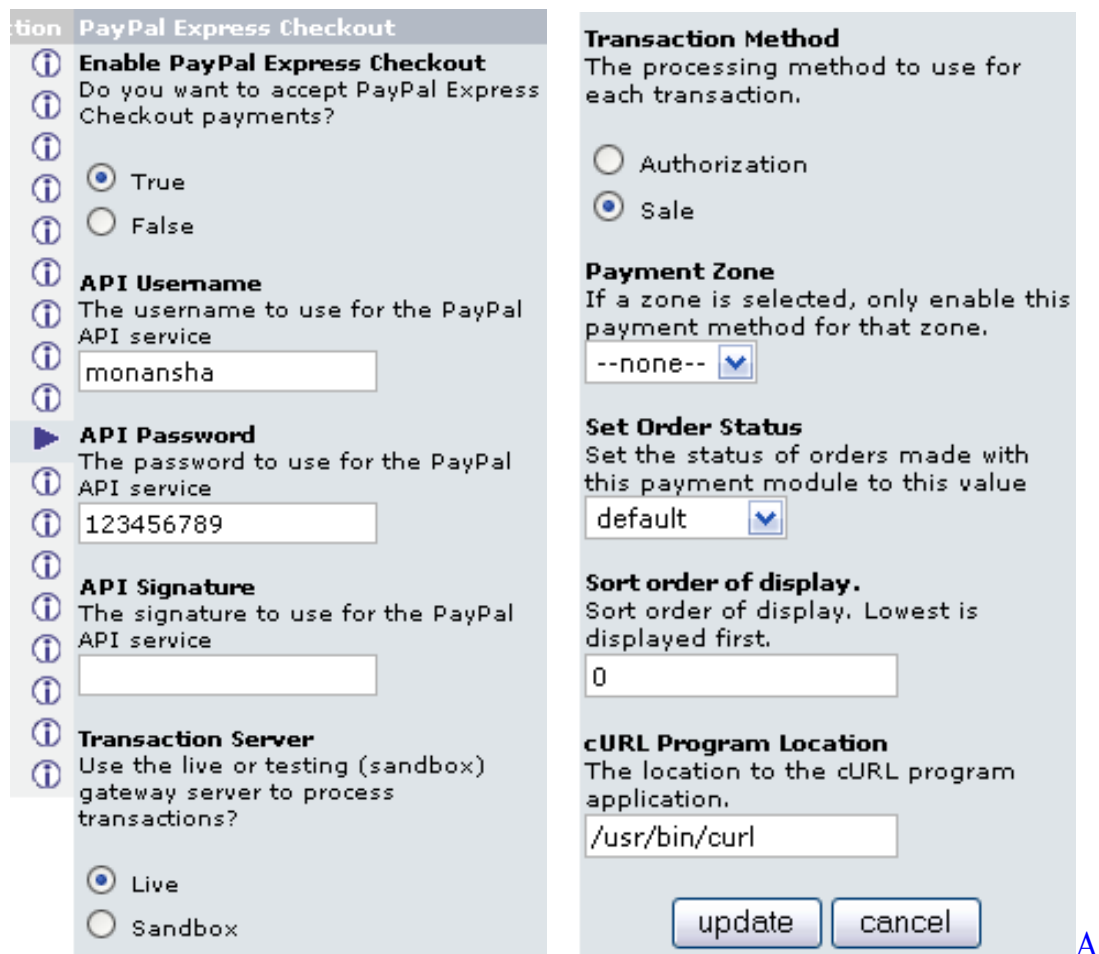


图 20

添加 PayPal Express Checkout 接口后，如图 21 所示：

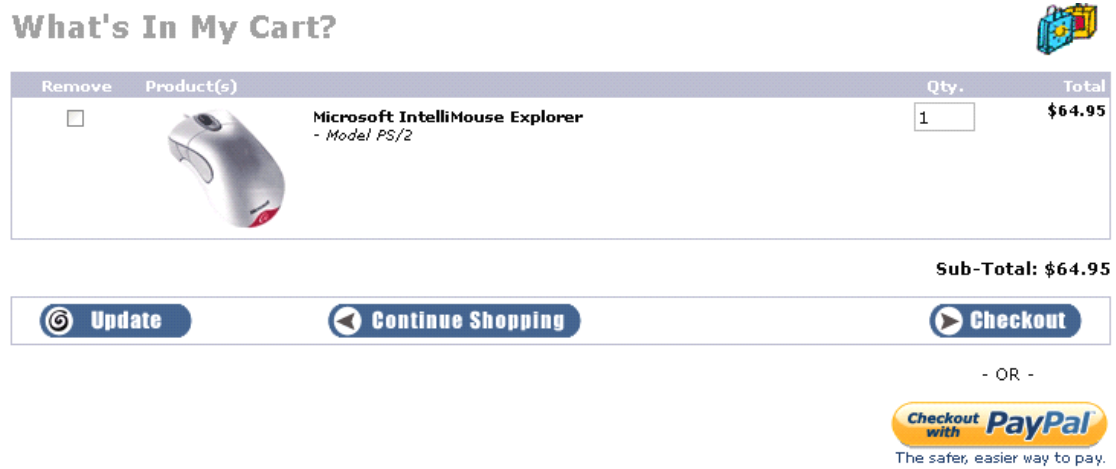


图 21

点击按钮，自动跳转至 PayPal 网站，跳转过去之后，帐户登陆处自动取得用户在 osCommerce 注册时的 PayPal 帐户，如图 22 所示：



图 22

## 第五部分 结束语

经过小学期这么些天的努力，一次次的遇到困难，又一次次的将困难解决，在这样不断的循环过程中，让我们学习到了很多新知识，也了解到了许多国外的先进经验和技術，让我们也有了很大的提升。

通过在 VM 下利用 Linux 来搭建 osCommerce 环境，让我们更加熟悉了 Linux 操作系统，掌握了很多 Linux 操作命令，对 Linux 的工作原理有了更进一步的了解。

搭建 Apache、Mysql、Php 等环境，让我们详细了解了 Linux 下的安装和配置方法，熟悉了 Apache、Mysql、Php 的配置文件，能够很好的将它们结合起来做深一步的开发编程，对于我们的学习非常有帮助。

感谢李平老师在小学期对我们的指引，让我们学习到了很多东西，不光是专业方面的知识。

感谢 osCommerce 小组各成员的协作、努力和互相帮助，让彼此都坚持下来了这 10 多天的高强度实训。

谢谢大家！

曹晓东

2008 年 7 月 22 日