

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

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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.

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第二部分 osCommerce 环境搭建

2.1 总体环境概述

VM 下的 Linux+Apache+Mysq1+Php

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

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

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

Apache、Mysq1、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 <u>http://localhost/</u>或者 <u>http://127.0.0.1/</u>

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 <u>http://localhost</u>或者 <u>http://127.0.0.1</u>

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: <u>http://www.oscommerce.com/solutions/downloads</u>

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 <u>http://localhost/oscommerce</u>

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

osCon	nmerce, C	pen Source	E-Commer	ce_Solution	is – Mozil	la Build II	: 20030225	16}				>
文件(<u>F</u>)	编辑(<u>E</u>)	查看(<u>V</u>)	转到(<u>G</u>)	书签(<u>B</u>)	工具(<u>T</u>)	窗口(<u>W</u>)	帮助(<u>H</u>)					
全 - 后退 -	前进	 重新载 	後 止	🤳 http:/	//localhost/	oscommerce	/install/index	.php		▼] 쵘 , 打印	M
1 主页	🔰 书签	🦧 Red Ha	at Network	🗂 Suppor	t 📹 Shop	froduct	: 📺 Training	ş				
6) os(Com		Ce chant v2.2				osComme	rce Website	e Support	Documentatio	<i>"</i> n
W osC ord	Commerce C	e to os(Online Merchar tters, specials,	commer at allows you and more to	ce Onl to sell prod successfully	ine Me lucts worldw build and t	ide with your	v2.2! own online st success of your	tore. The admin r online busines	iistration sid	e manages produc	ts, customers,	
We dev osC lice	e have attra velopers who Commerce C ensing fees	cted the large o help one an Online Merchar or limitations	st community other out and nt and its add involved.	tor an onlin have provid ⊢ons are av	e shop shop ed over 4,0 ailable for fi	ping cart solu 00 add–ons ti ree under an	tion that consis at extend the Open Source I	sts of over 140 features and po icense to help),000 regista otential of y you start se	ered store owners your online store. Hing online soone	and r without any	,
Serve	er Capabili	ties			New Ins	tallation						_
РНР	Version Settings		5.2.6	1	The webs	erver is not a	ble to save th	e installation p	arameters to	its configuration	files.	,
	.0.				the follow	unor niec nee	a to have thei	r nia narmicci/y	ne car to u	ono-umeshle (ch	mon /// F	

图 5

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

♥ osCommerce, Open Source E-Comme	ce Solutions – Mozilla {Build ID: 2003022516}	X
文件(<u>F</u>) 编辑(<u>E</u>) 查看(<u>V</u>) 转到(<u>G</u>)	书签(<u>B</u>) 工具(<u>T</u>) 窗口(<u>W</u>) 帮助(<u>H</u>)	
▲ - 前进 - 3 重新载入 停止	▲ http://localhost/oscommerce/install/index.php ✓ 運渡素 ゴ印 ・	M
🚰 主页 🛛 😻 书签 🥠 Red Hat Network	Support Shop Products Training	
Server Capabilities	New Installation	-
PHP Version 5.2.6 PHP Settings	The webserver is not able to save the installation parameters to its configuration files.	
register_globals On magic_quotes Off	/opt/lampp/htdocs/oscommerce/includes/configure.php /opt/lampp/htdocs/oscommerce/admin/includes/configure.php	
file_uploads On		
session.auto_start Off	Please correct the above errors and retry the installation procedure with the changes in place.	
session.use_trans_sid Off	Retry	
PHP Extensions		
MySQL	✓	
GD	1	Í
cURL	1	
OpenSSL	1	
Ca	wright © 2000-2007 osCommerce (Convright Policy, Trademark Policy)	

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:

图 6

The webserver is not able to save the installation parameters to its configuration files. The following files need to have their file permissions set to world-writeable (chmod 777): /opt/lampp/htdocs/oscommerce/includes/configure.php /opt/lampp/htdocs/oscommerce/admin/includes/configure.php

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

点击 Continue 继续下一步,进入配置数据库服务器的页面,如图 9:

Step 1: Database Server	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.	Database Server	The address of the database server in the form of a hostname or IP address.
Please consult your server administrator if your database server parameters are not yet known.	Usemame	The usemame used to connect to the database server.
	Password	The password that is used together with the username to connect to the database server.
	Database Name	The name of the database to hold the data in.

图 9

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

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:



然后点击 Continue, 进入配置 Web 服务器的页面, 如图 11:

Step 2: Web Server	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.	WWW Address http://localhost/oscommerce/ Webserver Root Directory /opt/lampp/htdocs/oscommerce/	The web address to the online store. The directory where the online store is installed on the server.
		Continue Cancel

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	Online Store Settings	
Here you can define the name of your online store and the contact information for the store owner.	Store Name	The name of the online store that is presented to the public.
The administrator username and password are used to log into the protected administration tool section.	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!	Finished!
Congratulations on installing and configuring osCommerce Online Merchant as your online store solution!	The installation and configuration was successful!
We wish you all the best with the suggest of	Catalog Administration Tool
your online store and welcome you to join and participate in our community.	
- The osCommerce Team	
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 <u>http://localhost/oscommerce</u>进入首页,如图 14 所示:



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 stor - these checks can be disabled by editing the appropriate parameters at the bottom of the includes/application_top.php file.

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-includes-languages-english-index.php,

如图 16 所示: SosCommerce

Administration On	line Catalog Support Site				Logged in as: cxd (Logoff)
Configuration	File Manager				english 💌
catalog	d:/usr/www/html//includes/lange	uages/english			
Modules	Name				Action index.php
Customers	🍺 🥩		druxruxrux	07/19/2008 08:30:26	① edit
Locations / Taxes	images.		druncruncrunc	07/19/2008 08:30:28	N (1)
Localization			A	07/10/0000 00:00:00	Filename: index.php
Reports	modules		draw raw raw	07/19/2008 08:30:28	
Tools	🛃 account.php	1,065 bytes	-IM-IM-IM-	12/19/2007 19:52:16	ize: 1,598 bytes
Database Backup	account_edit.php	491 bytes	-IM-IM-IM-	12/19/2007 19:52:16	🗊 🕕 Last Modified: 07/19/2008 08:54:34
Cache Control	account_history.php	783 bytes	-IM-IM-IM-	12/19/2007 19:52:16	I (1)
<u>Define Languages</u> File Manager	account_history_info.php	1,247 bytes	-IM-IM-IM-	12/19/2007 19:52:16	T (1)
Send Email Newsletter Manager	account_newsletters.php	770 bytes	-IM-IM-IM-	12/19/2007 19:52:16	I
Server Info Who's Online	account_notifications.php	1,367 bytes	-IM-IM-IM-	12/19/2007 19:52:16	I (I)
	account_password.php	624 bytes	-IM-IM-IM-	12/19/2007 19:52:16	I
	address_book.php	880 bytes	-IM-IM-IM-	12/19/2007 19:52:16	I (1)
	address_book_process.php	1,588 bytes	-IM-IM-IM-	12/19/2007 19:52:16	I (I)
	advanced search.php	2,859 bytes	-IM-IM-IM-	12/19/2007 19:52:16	I
		图 16			

右面点击 edit, 进入编辑页面, 如图 17 所示:

Filename: index.php

Contents:	php</th <th>^</th>	^
	\$Id: index.php 1739 2007-12-20 00:52:16Z hpdl \$	=
	osCommerce, Open Source E-Commerce Solutions http://www.oscommerce.com	
	Copyright (c) 2007 osCommerce	
	Released under the GNU General Public License */	
	<pre>define('TEXT_MAIN', 'This is a default setup of osCommerce Online Merchant. Products shown are for demonstrational purposes. Any products purchased will not be delivered nor will the customer be billed. Any information seen on these products is to be treated as fictional. these products is to be treated as fictional. valign="top">'100%" cellspacing="5" cellpadding="2">>these products is to be treated as fictional. valign="2">these products is to be treated as fictional. valign="2">'100%" cellspacing="5" cellpadding="2">'2">these products is to be treated as fictional. valign="100%" cellspacing="5" cellpadding="2">'100%" cellspacing="5" cellpadding="2" cellpaddi</pre>	~
	save	el

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:



第四部分 osCommerce 的使用

4.1 怎样购物

Regist a new customer:

Welcome, Please Sign In	
New Customer	Returning Customer
I am a new customer.	I am a returning customer.
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.	E-Mail Address: Password:
	Password forgotten? Click here.
🜔 Continue 🗎	🕜 Sign In

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.
- Change my account pa

My Orders



View the orders I have made.

E-Mail Notifications



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

Shopping:



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





Customer's Cart



Delivery Info:

Delivery Information



Shipping Address Please choose from your address book where you would like the items to be delivered to. 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 Proce	edure		Continue
Delivery Information	Payment Information	Confirmation	Finished!

Payment Info:

Payment Information





Add Comments About Your Order

	*
	-
Continue Checkout Procedure to confirm this order.	Continue

Order Confirmation:

Order Confirmation



🕢 Confirm Order

Delivery Address (Edit)	Products (Edit)		
Xiaodong Cao Da xue xi lu 235 hao Huhhot, 010021 Inner Mongolia, China	1 x Microsoft IntelliMouse Explorer - <i>Model: PS/2</i>		\$64.95
Shipping Method (Edit)			
Flat Rate (Best Way)			
Billing Information			
Billing Address (Edit)		Sub-Total:	\$64.95
Xiaodong Cao		Flat Rate (Best Way):	\$5.00
Da xue xi lu 235 hao		Total:	\$69.95
Inner Mongolia, China			
Payment Method (Edit)			
Credit Card			
Payment Information			
Credit Card Owner:	Xiaodong Cao		
Credit Card Number:			
Credit Card Expiry Dates			

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
elivery Information	Payment Information	Confirmation	J 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:

也址(D) 🙆 http://127.(0.0.1/oscommerce/admin/modules.php?set=payment&module=paypal_expre	ess&action=ed	it	💌 🄁 🖡
Configuration Catalog	Payment Modules			
Modules	Module <i>s</i> Sa	ort Order	Action	PayPal Express Checkout
Payment	Authorize.net Credit Card AIM		٦	Enable PayPal Express
Order Total	Authorize.net Credit Card SIM		1	Checkout
Customers	Credit Card (Not For Production Use)	0	1	PayPal Express Checkout
Locations / Taxes	ChronoPay		1	payments?
Localization	Cash on Delivery	0	1	 True
Reports	iPayment		1	O False
Tools	Check/Money Order		1	
	NOCHEX		1	API Username The username to use for
	PayPal Website Payments Pro (US) Direct Payments		1	the PayPal API service
	PayPal Express Checkout	0	•	
	PayPal Website Payments Standard		1	API Password
	PayPal Website Payments Pro (UK) Direct Payments		1	The password to use for
	PayPal Website Payments Pro (UK) Express Checkout		1	
	2Checkout		1	
	PSiGate		1	API Signature
	SECPay		1	the PayPal API service
	Sofortüberweisung Direkt		1	
	WorldPay Junior		1	Transaction Server
	Module Directory: d:/usr/www/html/oscommerce/includes/modu	les/payment	1	Use the live or testing (sandbox) gateway server to process transactions?

图 19

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

tion	PayPal Express Checkout	Transaction Method
(1)	Enable PayPal Express Checkout	The processing method to use for
	Do you want to accept PayPal Express Checkout payments?	each transaction.
0	• True	O Authorization
Œ	O Inde	Sale
1	○ False	O out
\odot	API Usemame	Payment Zone
\bigcirc	The username to use for the PayPal	If a zone is selected, only enable this
õ	API service	payment method for that zone.
w.	monansha	none 🚩
Œ		Cat Outau Status
•	API Password	Set the status of orders made with
\bigcirc	The password to use for the PayPal ADI service	this payment module to this value
Ō	123456789	default 💌
$\overline{\mathbb{O}}$		
×	API Signature	Sort order of display.
Ψ	The signature to use for the PayPal	Sort order of display, Lowest is
Œ	API service	displayed first.
\odot		U
\bigcirc	Transaction Some	
ě	Use the live or testing (sandbox)	CURL Program Location
Ψ.	gateway server to process	application.
	transactions?	/usr/bip/curl
	0	/ asi/ bii/ call
	 Live 	
	🔘 Sandbox	update cancel
		图 20

添加 PayPal Express Checkout 接口后,如图 21 所示:

What's	In My Ca	rt?	
Remove	Product(s)		Qty. Total
	S -	Microsoft IntelliMouse Explorer - Model PS/2	1 \$64.95
			Sub-Total: \$64.95
🌀 Upd	ate	Continue Shopping	Eheckout

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术,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

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