



From Technologies to Solutions

Building Websites with e107

A step-by-step tutorial to getting your e107 website up
and running fast

Theodore S Boomer

[PACKT]
PUBLISHING

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BIRMINGHAM - MUMBAI

Building Websites with e107

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Currently he is running Connetek Business Technologies, <http://www.connetek.com>, his own small business-technology company specializing in consulting, small business-technology assessment, web presence, web design and web hosting with a focus on entrepreneurs, small office/home office, small business, non-profit, and small government contracts. His technical knowledge and ability to communicate effectively has garnered him clients from around the world.

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About the Reviewer

Eric Vanderfeesten was born in the Netherlands and currently is one of the main developers for e107. He has been using e107 for about 4 years and started off as an interested user in content management systems. He soon discovered the overwhelming possibilities for code enhancements to the system and also found a need to create his own plugins for a number of websites. After releasing several plugins he was asked to join the beta test team, for which he contributed ideas to the main developers and delivered fixes and enhancements to the core system. Soon after that period he joined the main developers team of which he has been a member for about two and a half years now.

Although he has been coding for a long time, programming is not his educational skill. He is an architect and working in the architectural domain as his main profession.

Since computer science has been a field of interest to him he has taken this interest into the domain of architectural design and graduated on a project involving generative architecture using a parametric script to produce architectural environments based on favela structures that can be found in Brazil.

Besides his work as a main developer for e107 he is also the chairperson of an architectural foundation 'Eindhovenschool.net' and has several freelance activities besides his daytime job.

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Preface

As of February 2007, there are 13,241 PHP scripts listed at hotscripts.com. Of these, 641 are content management system (CMS) scripts, all with the ability to manage your online content and make your site dynamic. Out of these 641, e107 has been voted second in popularity in a recent survey. It's growing legion of fans like it for its ease of installation, powerful diverse features, well written code, and built-in security features.

E107 doesn't have a flashy name and you can't install it through a control panel such as Fantastico DeLuxe, which is probably why it is not the number one CMS. Nevertheless, downloading and installing e107 is a very easy straightforward process. One of the things that make e107 unique is its modularization. Many CMS take the one-size-fits-all approach and for smaller businesses in particular, they are a waste of resources. As opposed to this, e107 has a core program with many additional features available by activating a plugin (an additional set of scripts). This gives you the control to determine what features you need for your particular site.

While this book was written with entrepreneurs, small office/home office, and small businesses in mind, it will prove to be a great resource for anyone wishing to use e107. I would also like to stress that while targeted towards small business users, e107 is perfectly suited for personal sites as well as large corporations. This book is a primer to get you started and familiar with using e107. It is not a complete reference. However, it does contain references to resources for learning those features not covered in the text.

Don't panic if you have never created a database or installed a script, or have no knowledge about file permissions. In this book we will work together, step by step, to create a website for a small business. The book is a quick-paced tutorial and contains lots of screenshots so you need not try to second-guess what you should be seeing in your browser. This book will get your e107 up and running quickly and save your hundreds if not thousands of dollars in web-design and maintenance fees.

What This Book Covers

Chapter 1 introduces us to e107 and provides a brief history of content management systems, how content management systems work, a brief history of e107, and an introduction to the development team.

Chapter 2 covers the requirements for running e107, uploading to the server, setting file permissions, creating the database, running the installation script, securing your installation, updating e107, and what to do and where to go when things don't go as planned.

Chapter 3 takes us to our new website and covers the various components of the screen layout, creating and activating usernames, and registrations. After covering the front end of our new website, we will get to the heart of our website—the back end—where we will learn the various preference settings options, learn about emoticons, creating static and dynamic front pages, and different front-page views for different user groups.

Chapter 4 deals with the themes—the site theme, admin themes, how to select a different theme, core themes, additional themes, and custom themes. We will learn where to find additional themes and how to make them available for installation. We will cover customizing our theme through the selection of menu items, and learn how to use the WYSIWYG editor and file upload manager, create and delete custom menu items, and make the navigation of our site multi-lingual.

Chapter 5 takes us into the world of e-commerce with our website through the use of plugins. We will learn the difference between core and non-core plugins, where to obtain plugins, and how to install and uninstall plugins. We will learn how to create banner advertising campaigns and display banner ads on our site using the Banner plugin. We will create the Paws R Us store using the Shopping Cart plugin and finally we will learn about the FAQ plugin.

Chapter 6 transforms our e107 website into an e-business powerhouse. In this chapter we will learn how to create user groups and how to use them to control access to the various functions of our system. We will cover the installation, setup, and maintenance of forums and polls.

Chapter 7 will no doubt be the most referred to chapter in this book as we learn how to use the Content Management plugin, which is a very powerful and versatile content organizer. We will also learn how to set up the PDF plugin so our users can download documents in their original formatting. Last but not the least, we will cover how to use the Coppermine photo gallery plugin.

Chapter 8 covers information dissemination. We will learn how to install, configure, and write a newsletter, communicate with our users with the calendar plugin, update users about our business by means of RSS, and learn some basic things we need to do to get our site listed in the search engines.

Chapter 9 shows us how to keep our database running in top condition, and use e107's self-diagnostic features to allow it to help us find problems so that we can make corrections. We will also learn security procedures.

Appendix A provides a list of e107 resources from around the world as well as resources for Apache, PHP, MySQL, XAMPP, Easy PHP, and WAMP Server

What You Need for This Book

The prerequisite for this book is a working installation of e107. To run e107 the typical environment requires a web-hosting account, PHP 4.3.0 (or newer), MySQL 3.22 (or newer), and a minimum of 25MB of storage space. We cover the details of prerequisites and installation of e107 in Chapter 2.

Conventions

In this book, you will find a number of styles of text that distinguish between different kinds of information. Here are some examples of these styles, and an explanation of their meaning.

There are three styles for code. Code words in text are shown as follows: "Each section is clearly marked, such as \$HEADER, \$FOOTER, etc."

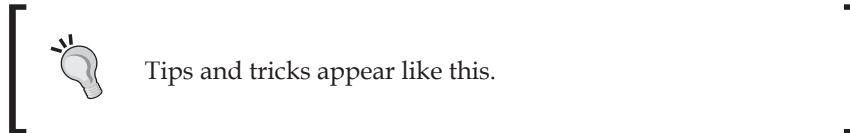
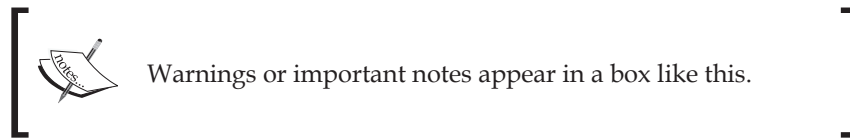
A block of code will be set as follows:

```
$HEADER = "<div id='page'>
<div id='header'>
<h1><a href='\".SITEURL.\"' title='{SITENAME}'>{SITENAME}</a></h1>
<h2>{SITETAG}</h2>
{UL}
</div>
<div id='content' class='narrowcolumn'>";
```

When we wish to draw your attention to a particular part of a code block, the relevant lines or items will be made bold:

```
</div>
<hr />
<div id='footer'>
<p>{SITEDISCLAIMER}<br />{THEMEDISCLAIMER}
</p>
</div>
</div>
";
```

New terms and **important words** are introduced in a bold-type font. Words that you see on the screen, in menus or dialog boxes for example, appear in our text like this: "clicking the **Next** button moves you to the next screen".



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1

An Introduction to e107

When I coded my first website using Notepad in 1995, little did I know that my curiosity would tax the limits of my imagination and lock me into a loop of continual education. Each year brought improvements in the presentation of web pages, and eventually we were able to present tabular data from databases.

Of course, large businesses with IT staffs were able to provide the first interactive sites and eventually these programmers would offer those services to the small business sector, but at a price commensurate with their corporate hourly rates. If the programming was not enough to prohibit small business from taking advantage of interactive websites then the high costs of web-hosting services, especially ones with databases made it economically unfeasible.

As time progressed and e-commerce continued to grow in popularity the demand was on for a low-cost alternative for small businesses to take advantage of interactive websites. The dot-com bust brought a surplus of bandwidth and server space to the market effectively reducing hosting costs. Microsoft continued to gain in popularity with the FrontPage web-design program, making it easy for non-programmers to make attractive sites, and collect data via a form and easily send it to the Access database program. Well, maybe it was not so easy for the newbie but it was possible.

Most entrepreneurs or small business owners did not have the financial resources to operate a CMS. In 1995, Rasmus Lerdorft created a set of scripts written in PERL called PHP/FI. This early work inspired Andi Gutmans and Zeev Suraski to create a scripting language and, working together with Rasmus Lerdorft, they officially launched PHP 3.0 as the successor to PHP/FI. If you would like to learn more you can read all about it at <http://us2.php.net/history>.

Why is this important? Because it is easy to learn and implement, PHP has grown into the primary script for creating interactive websites and is the primary script for content management systems. Today CMS are growing in popularity – blogs, dating sites, bulletin boards, and yes even book publishers use content management systems.

There are hundreds if not thousands of open-source content management systems available; however, e107 has rapidly emerged in the forefront for its ease of use and its modular build. If you are not a computer geek a modular build allows you to activate only the elements necessary thus saving resources.

History of Content Management Systems

Before we get to e107, we will look at a brief history of Content Management Systems and what purpose they serve. Content Management Systems have been around since before computers. If you are of my age, which is BC (before computers), then you may remember that libraries once used catalog-card systems to assist us with finding books. While not computerized, this was a content management system using the technology prevalent at that time. Now of course, most card-catalog systems are contained within databases in a computer.

A content management system is defined as a collection of data within which a person with proper authorization can query, add, or delete records and have the results displayed in a unified manner. For those of you who have been on the Internet since it went public please be patient as I cover just a little web history for those who wanted to know but were afraid to ask their children.

No, I am not going to write about the complete history of the Internet as there are several good web pages out there if you are interested. I will begin with a discussion of the first private computer users on the Internet.

In the beginning, web pages were boring and static. They consisted of headers, text, bold, italic, and underline. The early web users were mostly scientists who used web to communicate and share information quickly. There was nothing like "webmasters" as are prevalent today. The web was still under the military's control. It wasn't until the Internet was commercialized that the focus started to shift from "content" to "content with style". Webmasters seldom used pictures, as connection speeds were very slow. As the Internet grew so did **HTML** (Hyper Text Markup Language, the language for creating web pages). With the internet service providers providing more stable and faster connections, HTML continued to expand to allow web designers more control over the layout of their pages.

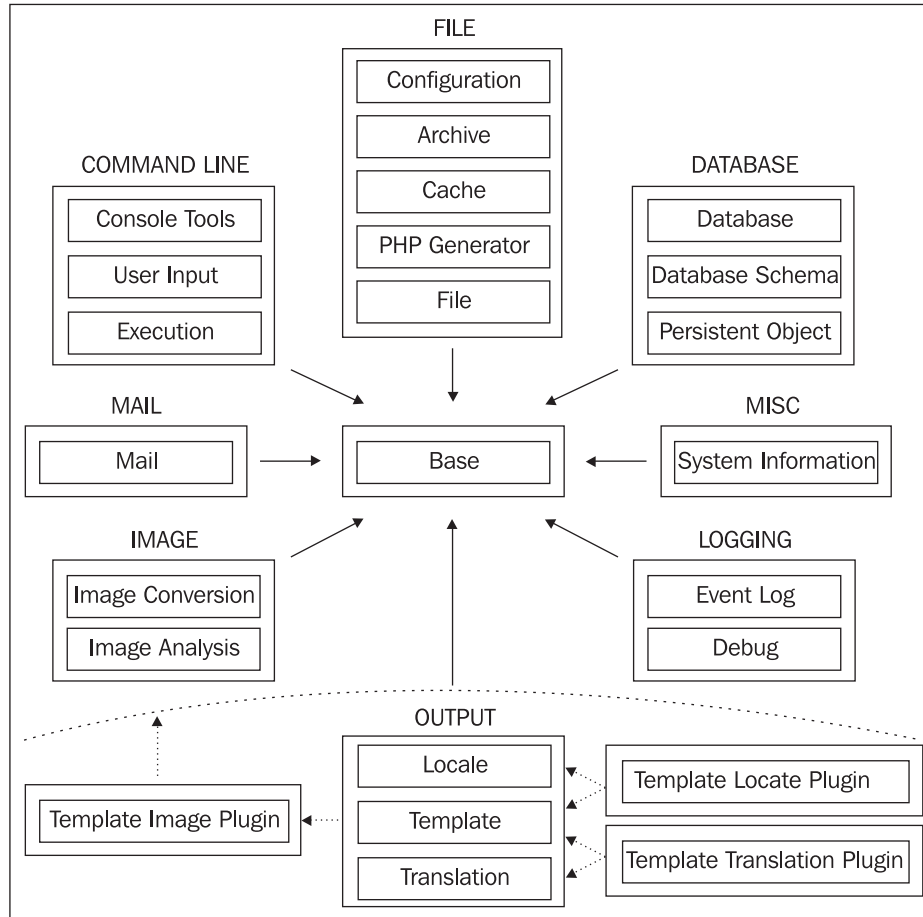
Meanwhile, the desktop computer revolution was progressing at breakneck speed. Small offices began sharing documents through local area networks. With the growth in networks a new concept "intranet" came into existence. An intranet is an internal or private network that is accessible within the confines of a company, university, or organization. I mention this because intranets are the birthplace of content management systems. Within an organization, management and employees began sharing documents, budgets, emails, etc. As these intranets grew so did the need for continuity of data entry and display.

If you have ever created a mail-merge document then you have created a template. I use this analogy as most of us at one time or another have wanted or needed to communicate the same information to a number of different people, yet wanted to make it appear as if we are writing to each individual. The mail merge was the first application of this sort that was used widely and consists of **data file** and a **merge document**. The data file is a database with names and addresses and other relevant information stored and the merge document is a document that contains the text with special merge keys inserted where you can put the "name" and "address". Then you can follow the directions for creating the merged documents and print your documents. The result is identical letters to different recipients but with different name and address.

As our society and the world became addicted to computers, so did the desire grow to provide more sophisticated sharing. While intranets were great, corporations were looking for a way for their sales representatives and/or customers to be able to gain access to ordering information to purchase and sell items and ensure that accurate delivery was predicted by checking inventory levels. And of course, sales needed to be credited to the proper person, state, and region and purchase orders needed to be charged against specific accounts. The early CMS was very expensive and required skilled computer programmers.

How a Content Management System Works

If you look at screenshot overleaf, you will see all the different parts that combine to make up a content management system today.



A basic content management system works like this:

1. You select a template from the templates that are available by default with your content management system. If you prefer, you can spend a little money and hire a professional web designer/developer to create a custom template, typically with a logo at the top, and standard navigation options across the top, down the left-hand side, and/or at the foot of the page incorporating all the insert tags required to display information from the database.

2. When the information is submitted, it usually goes through a process of review by a designated administrator who may accept it, send it back for revision, or reject it. The information is available for viewing from the database only if the administrator or designated manager approves the information.
3. A text database stores the information. When a user requests information, the data script makes a request to the database for the information. The information in combination with the template forms the display page you see in your browser. Think mail merge in your favorite word processing program. The scripting language in use determines the URL page extension; in PHP, the extension is `.php`. It can also be `.cfm` for Adobe ColdFusion, `.asp` for Microsoft Active Server Pages, or `htm/html` for UNIX Linux.
4. The content management system generates indexes allowing it to keep track of added, updated, accessed, and deleted information. It also keeps track of who performed and approved these actions.
5. Most content management systems offer document archives, built-in search engines, permission controls, e-commerce, and workflow control.

Brief History of e107

Four-score and seven years ago...Whoops! Sorry about that, wrong history lesson. As the creator of e107 was not into the development of the program and documenting its history simultaneously it is impossible to provide you with an exact history of e107. However, the following is a general overview of the development.

In 1998, Steve Dunstan created a Windows shell replacement called LiteStep. After moving to a PHP enabled server, Dunstan took his first steps into scripting. After eighteen months of coding and maintaining his LiteStep.org site, he was offered a chance to take over the main LiteStep theme site LiteStep.net, which continued to grow in popularity with the help of a couple of other individuals. The LiteStep sites were created as whole entities so when a member requested coding help it was next to impossible to provide the necessary assistance. Due to this, work began on creating a more modular and distributable form of code.

The code was completed around May 2002 and since this was Dunstan's seventh major project he chose "e107" as the name. The code evolved quickly and when Steve opened up <http://www.e107.org> in July 2002, e107 was at version 2.1. After version 5.4 released, Dunstan decided on a numbering revision to go with a major code revision. The new numbering system set e107 to version 0.6. After releasing version 0.612, Dunstan decided to ask a few talented and dedicated contributors to form a development team. After a couple of versions, he decided to take a step back from the development side to take some personal time.

On January 16, 2006, the development team had completed an almost complete rewrite of e107 to make it more flexible, secure, and intuitive. The team designed the system around a core program to which the user could add additional abilities through the installation of plugins. This design had several advantages, primarily speed and conservation of resources. However, as the code was almost completely rewritten, many of the previously developed plugins no longer worked in version 0.7.0. Additionally e107 had a reputation of being something of a hobby-oriented content management system. This impression was changed with version 0.7.5.

With version 0.7.5, developers started releasing business and e-commerce plugins, which have turned e107 into a serious business-class content management system while not sacrificing ease to learn or use. With the addition of advanced techniques such as the Content Management Plugin and Shortcodes, e107 has the power and capability to service mid-level to large businesses and organizations.

The People Who Make e107 Possible

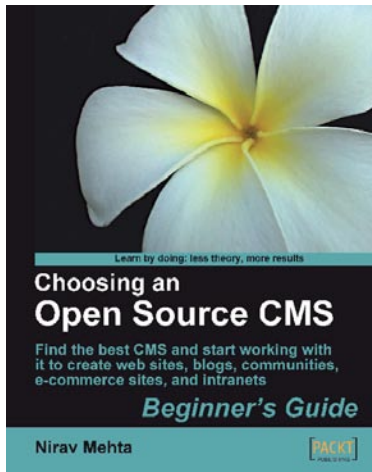
From its humble beginnings e107 has grown and so have the people who support the project so that the rest of us may benefit from their hard work and ingenuity. In order to respond to the increase in development and support, e107 is supported by three groups: the development team, the translators, and the support team. It would require a chapter to introduce everyone involved in the e107 project so I will just introduce the current primary development team. In alphabetical order they are:

- Cameron Hanly aka CaMerOn
- Steve Dunstan aka jalist
- Eric Vanderfeesten aka Lisa
- Thom Michelbrink aka McFly
- Martin Nicholls aka Streaky
- James Currie aka SweetAs

I don't wish to diminish the contributions of the translators or the support team as each and everyone is important. For an up-to-date list please go to http://e107.org/e107_plugins/dev/dev.php?show.278.

Summary

We have learned about the origins of e107 and covered a very basic history and the inner working of a content management system in this chapter. You were also introduced to the current members of the development team. For those who love computer trivia you can find additional information resources in *Appendix A*.



Choosing an Open Source CMS: Beginner's Guide

ISBN: 978-1-847196-22-4

Paperback: 340 pages

Find the best CMS and start working with it to create web sites, blogs, communities, e-commerce sites, and intranets

1. Understand different types of CMSs and select the one that best fits your needs
2. Install and customize a CMS with themes and plug-ins
3. Learn key concepts of Content Management Systems and how to systematically assess your requirements
4. Introduction to the major CMSs including Joomla!, Drupal, WordPress, Plone, Magento, Alfresco, and more
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2

Installing e107

Now that you have had your history lesson and can define a CMS, we can get down to the business of learning how to install and configure e107. I believe the best way to learn is through practical application so my veterinarian friend has graciously consented to allowing us to create an e107 site called Cuddle Care Animal Hospital: <http://www.cuddlecare.biz>

Requirements

To function, e107 requires that your web server or your hosting company's server meets the following basic requirements:

- At least one domain name
- At least one email account
- PHP 4.3.0 (or newer) <http://www.php.org>
- MySQL 3.22 (or newer) <http://mysql.net>
- A minimum of 25MB of storage space



A full installation of e107 requires 8.53 MB but remember that you will need more space initially for both the compressed files and the expanded files during installation. Also, keep in mind your database will grow, and you will need space for email accounts, statistic programs, and other programs and/or databases you will be running.

The easiest way to ensure that you find a host that meets the requirements is to search for "e107 hosting" at search engines like <http://www.google.com>. The reason

for this is that some web-hosting companies install PHP differently, which can stop e107 from working properly. The hosting companies are always upgrading software, so if any known issues list were provided here it might be obsolete by the time the book is printed, so if you are not going to use the method suggested above then visit http://wiki.e107.org/?title=HOWTO:Install_troubleshoot#Host_and_platform-specific_problems before you go any further.



You may also find some web-hosting companies that have their servers set up for optimum performance for e107 by checking the <http://www.e107.org> website. I would caution you to be careful about signing up for the cheapest web-hosting plans no matter how big the company. Many of these companies overload their servers so response time can be slow. Also, technical support may not be efficient enough. It is also advisable to register your domain name separately from the hosting package so that you control the account. This way, if you wish to change hosts you will not have to wait or in some cases, have your domain held hostage.

Operating System Requirements

The requirements for running e107 on both the operating systems – Windows and Unix/Linux – are the same. You must have Apache, PHP, and MySQL installed and running successfully. If you plan to use e107 on a web server that you do not own, you seriously will need to consider making a change to a web-hosting service that uses Unix/Linux. However, if you wish to test e107 on your Windows computer at home, you will need to install Apache, MySQL, and PHP. You can install all three at once using:

- XAMPP <http://www.apachefriends.org/en/xampp.html>
- EASYPHP <http://www.easyphp.org>

This list is by no means exhaustive or an endorsement over any others. You can also download Apache, PHP, and MySQL from their individual sites (see *Appendix A*), and install and troubleshoot each program.

If you have a dedicated web server and you are planning to run e107 site on this server, then it is better to install Apache, MySQL, and PHP independently. If you are operating your own server then you should be able to install, configure, and debug all three.

When possible, I prefer to develop e107 sites on the platform on which they will be running. This is easy with e107 as you can install it in the root directory or create a subdirectory in an existing website and install it. In this case, I am actually developing and hosting the website <http://www.cuddlecare.biz>, which we will be building together over the next few chapters.

Installing e107

Even if you are new to Linux, installing e107 is very easy. Before we begin let me caution those of you who have web-hosting accounts that feature **cPanel**. cPanel is a control panel very widely used in Linux hosting. Most cPanel accounts also offer Fantastico DeLuxe (a plug-in with a script library that automates script installation). If your web-hosting company activates e107 as an option then you can install e107 and the database with a mouse click. I strongly recommend against this type of installation as it often installs older versions of e107 and once it has finished you will still have to go to the e107 site, download, and install the updated files, so you really gain nothing.

Uploading e107 to Your Server

Now that you have a web space capable for handling e107 it is time to begin the installation process. First, you need to go to <http://e107.org/> and download the latest version; at present it is version .0.7.7. Once you click on the **Download** link from the menu bar you will be presented with a page of download links (see the screenshot overleaf):



No Command-Line Access

For security reasons, many web-hosting companies do not give you command-line access unless you have a dedicated server or dedicated virtual private server account. If you do not have the command-line access, follow these steps:

1. Download the **e107 0.7.7 Full install (.zip)** file to your computer.
2. Open your FTP client to your server. (If your web-hosting company supports secure FTP then use it instead of regular FTP). If you do not have an FTP client you can download a free open-source FTP client called Filezilla at <http://sourceforge.net/projects/filezilla>. If you are not comfortable with the interface you can do a search on FTP clients.
3. Select the folder, which is usually `public_html` for your HTML files. If you wish to upload to a subdirectory, you may create it and then select it. If you are worried about someone viewing your site before you are finished you will be able to deactivate the site from any visitors once the program is installed. Once you select the folder upload the ZIP file to the server.
4. Most hosting companies have a ZIP program or module. This is usually located within a file-management module within the operating panel. You need only to select the ZIP file then tell the panel to unzip it. Since there are several different panels available I can not provide more specific information; however, most reputable hosts have a knowledge base, flash tutorials, or as a last resort the customer support. Depending upon the speed of the server unzipping can take a few moments.

Command-Line (Shell) Access

If your web-hosting company provides command-line access, also known as SSH, shell, or jailed shell, then you can use a much faster method:

1. Download the **e107 0.7.7 Full install (.tar.gz)** file to your computer.
2. Open your FTP client to your server.
3. Select the folder for your HTML files or subdirectory where you wish to install e107.
4. Now log on to the server with your SSH client and navigate to the folder in which you placed the `.tar.gz` file.
5. Enter the following command to unpack the archive:

```
tar xvzf file.tar.gz
```

Setting File Permissions

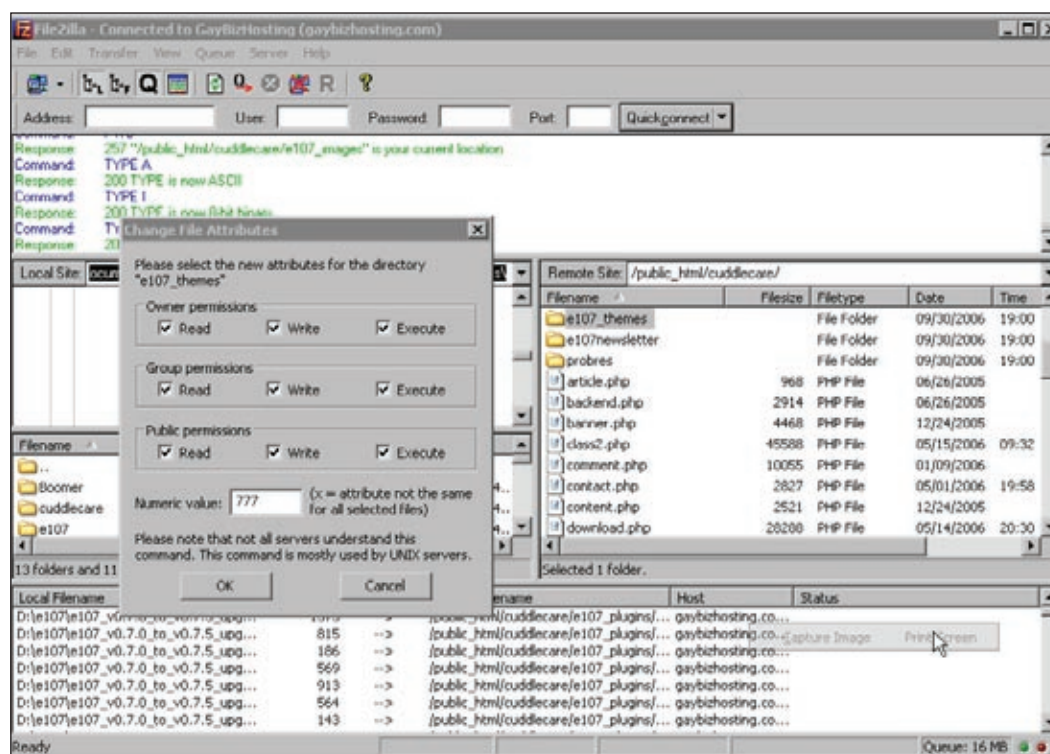
When expanded, e107 will add 8 folders and 40 files to your directory (see the screenshot overleaf). Keep in mind that this may change with updates.



Please note that during installation if you do not have enough storage capacity then the system will only unzip the number of files it has room for and not more than that; and it does not warn you that it has encountered this problem.

e107_admin	File Folder	11/29/2006 9:08 PM
e107_docs	File Folder	11/30/2006 9:48 AM
e107_files	File Folder	11/30/2006 9:48 AM
e107_handlers	File Folder	11/30/2006 9:48 AM
e107_images	File Folder	11/30/2006 9:48 AM
e107_languages	File Folder	11/30/2006 9:48 AM
e107_plugins	File Folder	11/30/2006 9:48 AM
e107_themes	File Folder	11/30/2006 9:48 AM
article	1 KB PHP File	8/26/2006 10:24 PM
backend	3 KB PHP File	6/26/2005 9:45 PM
banner	5 KB PHP File	6/2/2006 9:59 AM
class2	53 KB PHP File	11/24/2006 10:38 PM
comment	10 KB PHP File	10/12/2006 9:44 AM
contact	5 KB PHP File	11/9/2006 2:57 PM
content	3 KB PHP File	12/24/2005 5:53 PM
download	25 KB PHP File	11/11/2006 11:10 PM
e107.htaccess	1 KB HTACCESS File	9/21/2004 3:09 PM
e107_config	0 KB PHP File	11/29/2006 9:09 PM
email	6 KB PHP File	11/11/2006 11:10 PM
error	3 KB PHP File	6/2/2006 9:59 AM
Favicon	22 KB Icon	4/1/2005 2:11 AM
forum	1 KB PHP File	6/2/2005 4:07 PM
forum_viewforum	1 KB PHP File	6/2/2005 4:07 PM
forum_viewtopic	1 KB PHP File	6/2/2005 4:07 PM
fpw	5 KB PHP File	11/7/2006 4:19 PM
gsitemap	3 KB PHP File	11/7/2006 9:59 AM
index	4 KB PHP File	11/13/2006 5:21 AM
install	116 KB PHP File	11/15/2006 2:00 AM
links	1 KB PHP File	6/4/2005 9:19 PM
login	3 KB PHP File	11/28/2006 1:01 PM
membersonly	1 KB PHP File	1/6/2006 1:11 PM
news	20 KB PHP File	11/11/2006 11:10 PM
online	11 KB PHP File	10/20/2006 4:57 PM
page	11 KB PHP File	11/11/2006 11:10 PM
print	3 KB PHP File	11/18/2006 1:42 PM
rate	2 KB PHP File	12/24/2005 5:53 PM
request	15 KB PHP File	11/9/2006 4:28 AM
robots	1 KB Text Document	8/26/2006 10:24 PM
search	19 KB PHP File	11/9/2006 3:48 PM
signup	26 KB PHP File	11/14/2006 9:55 AM
sitedown	2 KB PHP File	6/30/2006 12:16 AM
subcontent	1 KB PHP File	12/21/2005 4:55 PM
submitnews	8 KB PHP File	8/9/2006 12:07 AM
top	9 KB PHP File	8/3/2006 9:26 PM
upload	7 KB PHP File	10/22/2006 6:57 PM
user	5 KB PHP File	11/7/2006 3:16 PM
userposts	8 KB PHP File	6/22/2006 3:13 PM
usersettings	13 KB PHP File	11/29/2006 12:11 AM

Now we are going to set some directory permissions to enable us to configure and customize e107. You may not want to use all the features (plugins) of e107 so the following is broken down into core permissions and plug-in permissions. If you have never changed permissions before, start with using the **Help** menu on your FTP program and it should provide guidance. Whether you are using FileZilla or some other FTP program the screens will look similar to the screenshot below. Right-click the folder or file for which you wish to change the permission and look for either CHMOD (a UNIX Command) or **File Attributes** from the context menu.



Core Permissions

We are now going to change the file permissions to enable us to modify, configure, and upload files to our installation. To do this we need to change permissions to **Read, Write, Execute** or with some FTP clients that use the UNIX interface to the numeric value **777** also known as **chmod 777**. FileZilla gives you the option of either checking off the checkboxes or changing the numeric value.

Change the permissions of the following file:

e107_config.php

Change the permissions of the following folders:



Do not open the folders and change the files. Change the folders only

```
e107_themes/  
e107_plugins/  
e107_files/public  
e107_files/public/avatars  
e107_files/cache  
e107_files/download  
e107_files/downloadimages/  
e107_files/downloadthumbs/  
e107_images/newspost_images/
```

Plug-in Permissions

Since e107 can be used for many different purposes its functionality is expanded by modular programming code called **Plugins**. The plugins below are the most common and are included in the zip/tar.gz file. To use the plugins you will need to chmod to 777 some additional directories.

Content Management Plugin

```
e107_plugins/content/images/cat/  
e107_plugins/content/images/cat/16/  
e107_plugins/content/images/cat/48/  
e107_plugins/content/images/file/  
e107_plugins/content/images/file/tmp/  
e107_plugins/content/images/icon/  
e107_plugins/content/images/icon/tmp/  
e107_plugins/content/images/image/  
e107_plugins/content/images/image/tmp  
e107_plugins/content/images/menus/
```

The Content Management System Plugin is hands down the best plugin for e107. It allows the management of content with great flexibility and if you are creating a website that will have large amounts of information then you will come to rely on this plugin. A book could be written on this one plugin alone; however, this is beyond the scope of this book and for our small veterinary website we will not be using the CMS plugin.

Links Page

The Links Page Plugin is used to create a links page with categories and sub-categories.

```
e107_plugins/links_page/cat_images/  
e107_plugins/links_page/link_images/
```

Statistic Logging

Most hosts offer web statistics with their hosting accounts; however, e107 does have a plug-in for collecting statistics.

```
e107_plugins/log/logs
```

If you would like to gather information about the visitors coming to your site, such as browser type, country, pages accessed, etc., then you can set the file permission to enable you to use the Statistic Logging plugin.

Running the Installation Script

Now that we have finished changing the core permissions close your FTP client, open up your web browser, and navigate to the URL where your files are located. In my case, that is <http://www.cuddlecare.biz> but if you have another domain name, just substitute your URL or browse <http://www.yourdomain.com>.

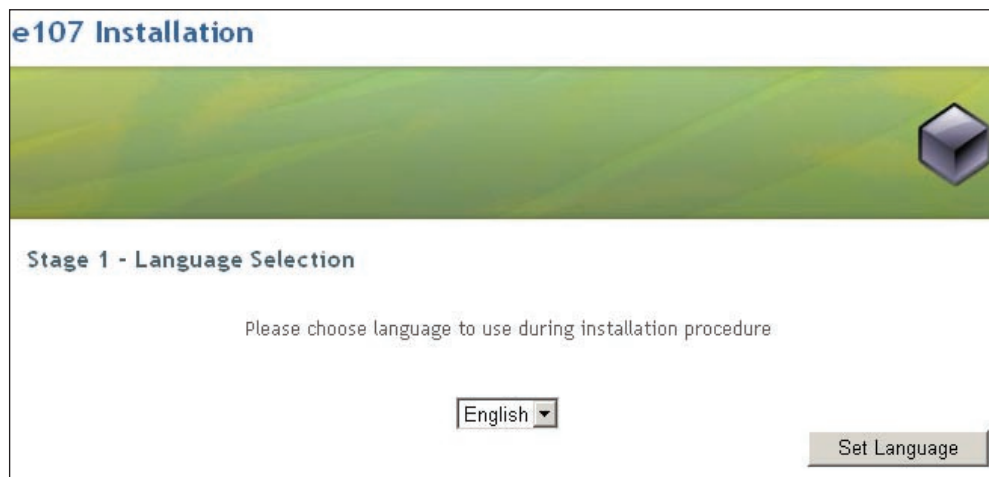
If you are using Windows with the Apache server then locate your installation where you specified your folder structure when you installed Apache. Usually this will begin with <http://localhost/html/cuddlecare>.

Now follow along with me as we finish our installation:

Stage 1

If, all the files were successfully uploaded you will see the first page of the install script. It will give you an option for the language you wish to use during the configuration.

Select **Set Language** to proceed to the next stage.



The screenshot shows the 'e107 Installation' window. At the top, there's a green header bar with a 3D cube icon on the right. Below the header, the title 'Stage 1 - Language Selection' is displayed. The main text says 'Please choose language to use during installation procedure'. There is a dropdown menu showing 'English' and a 'Set Language' button at the bottom right.

Stage 2

Now, it is time to create our database. This will happen in one of the following two ways depending upon your access.

Root Access

If you have root access you can create the database using the e107 installation script using your root username and password. Make sure to select the **Create** checkbox. If you do not have root access follow the alternative method explained next.

Select **Continue** to proceed to the next stage.

e107 Installation



Stage 2 - MySQL Server Details

Please enter your MySQL settings here.

If you have root permissions you can create a new database by ticking the box, if not you must create a database or use a pre-existing one.

If you have only one database use a prefix so that other scripts can share the same database.
If you do not know your MySQL details contact your web host.

MySQL Server:	localhost	The MySQL server you would like e107 to use. It can also include a port number, e.g. "hostname:port" or a path to a local socket e.g. ":/path/to/socket" for the localhost.
MySQL Username:	cuddle	The username you wish e107 to use for connecting to your MySQL server
MySQL Password:		The Password for the user you just entered
MySQL Database:	cuddle_e107 ☒ Create Database?	The MySQL database you wish e107 to reside in, sometimes referred to as a schema. If the user has database create permissions you can opt to create the database automatically if it doesn't already exist.
Table prefix:	e107_1	The prefix you wish e107 to use when creating the e107 tables. Useful for multiple installs of e107 in one database schema.

Continue

No Root Access

Unless you have a dedicated server, most likely you will not have root access. Before you can proceed, you will need to log on to your server following the instructions that you received from your web-hosting company. Almost all Linux web hosts offer a user panel these days that allows you to create email accounts, manage extensions, and to create databases.

I recommend you to name this test website as e107 to avoid any confusion. You will also need to assign a user to the database. You can consult your web-host support section if you need help, as this varies from system to system. If you use a browser-based interface, make sure to open a new window or tab so you do not have to start the installation process again.

Once you have created the database and assigned a user, return to the installation script, and enter data in all the fields except selecting the checkbox **Create** database as shown in the screenshot on the next page. Please note that when you create a database on a shared server most of the time you prefix the database name and then an underscore ("username_") in this case, it is **cuddle_e107**. If I entered only **e107** I would receive an error message stating that e107 was unable to connect to the database. Again, if you are unsure, then check your web host's knowledge base tutorials, or submit a question through support.

Select **Continue** to go to the next stage.

e107 Installation



Stage 2 - MySQL Server Details

Please enter your MySQL settings here.

If you have root permissions you can create a new database by ticking the box, if not you must create a database or use a pre-existing one.

If you have only one database use a prefix so that other scripts can share the same database.
If you do not know your MySQL details contact your web host.

MySQL Server:	localhost	The MySQL server you would like e107 to use. It can also include a port number, e.g. "hostname:port" or a path to a local socket e.g. ":/path/to/socket" for the localhost.
MySQL Username:	cuddle	The username you wish e107 to use for connecting to your MySQL server
MySQL Password:		The Password for the user you just entered
MySQL Database:	cuddle_e107 ☐ Create Database?	The MySQL database you wish e107 to reside in, sometimes referred to as a schema. If the user has database create permissions you can opt to create the database automatically if it doesn't already exist.
Table prefix:	e107_1	The prefix you wish e107 to use when creating the e107 tables. Useful for multiple installs of e107 in one database schema.

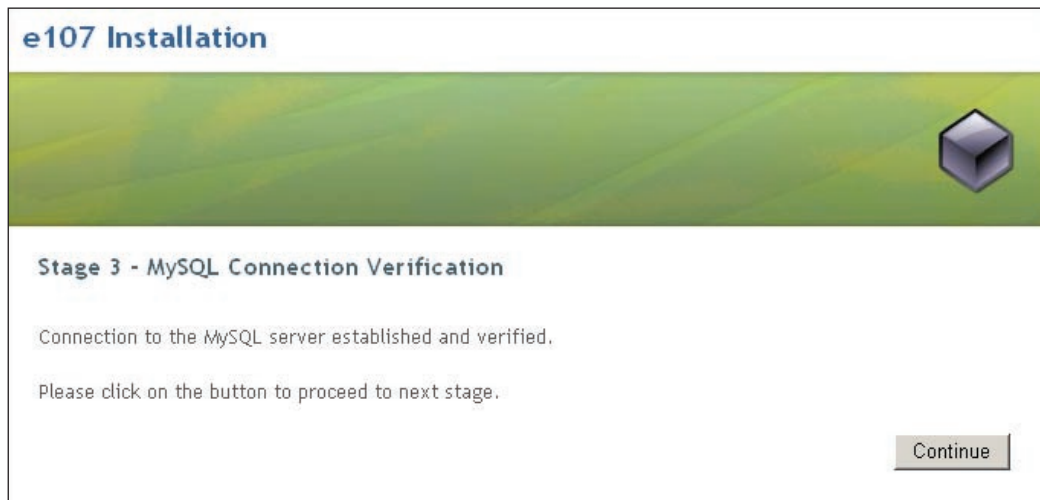
Continue

Stage 3

If all the information is entered correctly in Stage 2 then the next screen will confirm the e107 connection to the MySQL database (see the screenshot below).

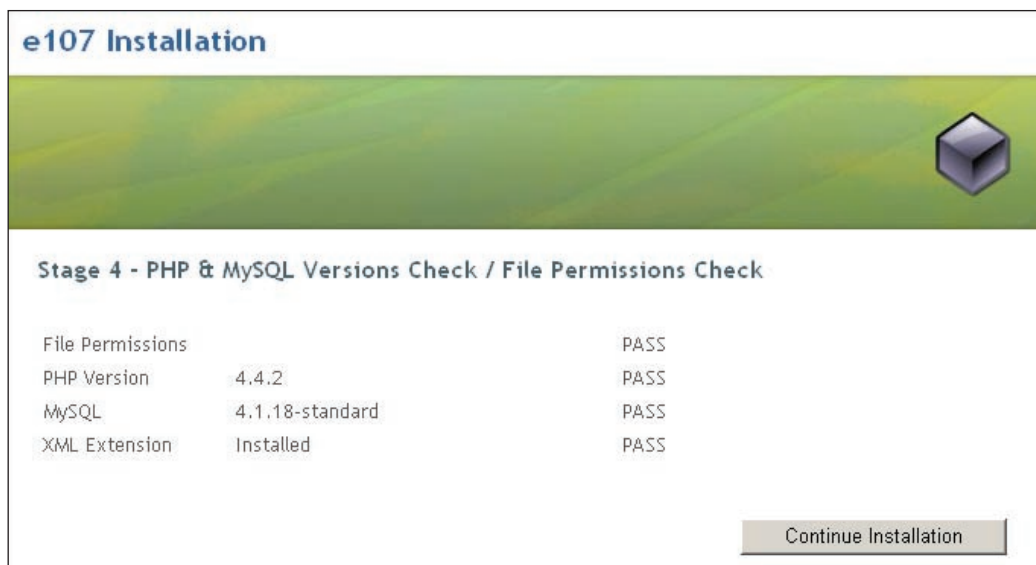
Select **Continue** to proceed to the next stage.

If you get an error message use the **Back** button of the browser, correct the necessary information, select **Continue**, and proceed as above.



Stage 4

Way to go! You are half way through the installation process. Stage 4 confirms that the installation folders and files have the necessary permissions along with the required versions of PHP and MySQL installed before proceeding. If all is well, you will see the next screen like that shown in the screenshot on the next page. Select **Continue Installation** to proceed.



Stage 5

You are almost there; keep up the good work! In this stage, you will enter details such as the admin username, password, and the email account you wish for e107 to use for the administration email (see the screenshot on the next page).

For security reasons, you should use a username and password other than the one you use for your web-hosting account access. If you want a quick way to generate passwords that are difficult to break, you can search for online password generation websites like <http://www.techzoom.net/security-password.asp> and follow the instructions.

Select **Continue** to proceed to the next stage.

e107 Installation



Stage 5 - Administrator Details

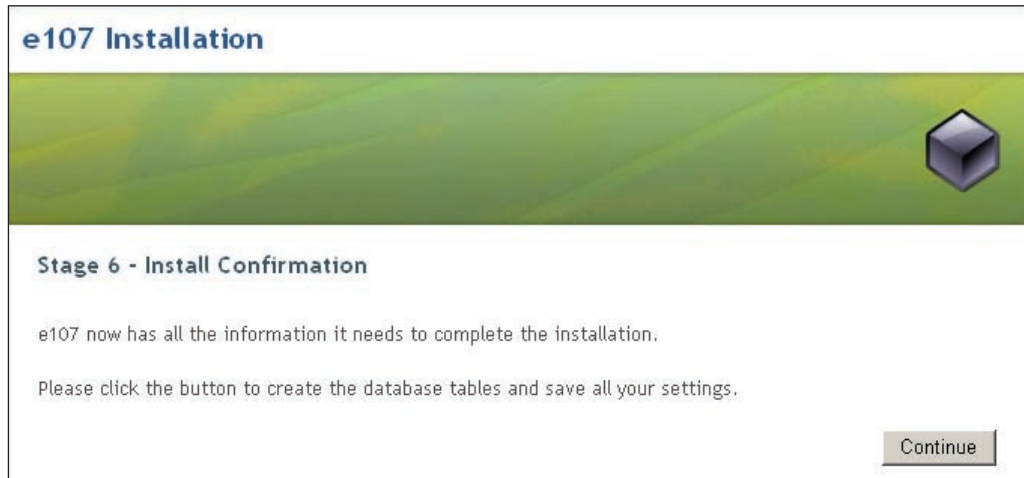
Admin Username	tboomer	This is the name you will use to login into the site. If you wish to use this as your display name also
Admin Display Name	Tad	This is the name that you wish your users to see displayed in your profile, forums and other areas. If you wish to use the same as your login name then leave this blank.
Admin Password	••••••••	Please type the admin password you wish to use here
Admin Password Confirmation	••••••••	Please type the admin password again for confirmation
Admin Email	admin@cuddlecare.com	Enter your email address

Continue

Stage 6

At this stage there is just a confirmation screen confirming that the e107 install program has all the information necessary to create the database and tables that are required for the program's operations. (See the screenshot on the next page.)

Select **Continue** to proceed to the next stage.



Stage 7

Congratulations! This is the last stage. If you see the screen as shown in the screenshot below then you have done a successful installation. If you are seeing anything else, then skip down to the heading *Troubleshooting Common Installation Problems*.



Select **Continue** to exit the installation. This takes us to the first page of our new cuddlecare.biz website (see the screenshot below).



The screenshot shows the e107 CMS homepage. At the top, there's a banner with the e107CMS logo and the text "Welcome To Your New Website". Below the banner, there's a navigation bar with links: Home, Downloads, Members, Submit News, and Contact Us. On the left side, there's a "Welcome" section with a login form (Username, Password, Login button) and a "Remember me" checkbox. Below the login form, there are links for "[Signup]" and "[Forgot password?]". Further down, there's an "Online" section showing "Guests: 1, Members: 0 ..." and "most ever online: 1 (Members: 0, Guests: 1) on 20 May : 15:07". Below that, there's a "Powered By" section with logos for e107 Website System, php, and MySQL. The main content area features a large image of a lime being squeezed, with the word "Fresh..." written over it. Below the image, there's a "Welcome to e107" section with a message: "Welcome to your new website! e107 has installed successfully and is now ready to accept content. Your administration section is [located here](#), click to go there now. You will have to login using the name and password you entered during the installation process." To the right of this message is a small image of a blue box. Below the welcome message, there's a "Support" section with links to the e107 Homepage, FAQ, and documentation, and a "Forums" link. Below that, there's a "Downloads" section with links to plugins and themes. At the bottom of the main content area, there's a message: "Thankyou for trying e107, we hope it fulfills your website needs. (You can delete this message from your admin section.)" and a comment status: "Comments are turned off for this item". Below that, there's a post by e107 on Saturday 20 May 2006 - 14:50:37. On the right side of the page, there's a "Good Reputation" section with a quote from John C. Dvorak and a "RSS Feeds" section with links to XML and RSS feeds.

Advanced Content Management

e107CMS

Welcome To Your New Website

Welcome

Username:

Password:

Login

☒ Remember me

[Signup]

[Forgot password?]

Online

Guests: 1, Members: 0 ...

most ever online: 1
(Members: 0, Guests: 1) on 20 May : 15:07

Powered By

e107 Website System

php

MySQL

Fresh...

Welcome to e107

Welcome to your new website!

e107 has installed successfully and is now ready to accept content.

Your administration section is [located here](#), click to go there now. You will have to login using the name and password you entered during the installation process.

Support

e107 Homepage: <http://e107.org>, you will find the FAQ and documentation here.

Forums: http://e107.org/e107_plugins/forum/forum.php

Downloads

Plugins: <http://e107coders.org>

Themes: <http://e107styles.org> | <http://e107themes.org>

Thankyou for trying e107, we hope it fulfills your website needs.
(You can delete this message from your admin section.)

Comments are turned off for this item

Posted by [e107](#) on Saturday 20 May 2006 - 14:50:37

Good Reputation

John C. Dvorak
Inside Track v25n5
PCMag 03.01.06

RSS Feeds

Our news can be syndicated by using these rss feeds.

[XML](#) [RSS 1](#)

[XML](#) [RSS 2](#)

[XML](#) [RDF](#)

This site is powered by [e107](#), which is released under the terms of the [GNU GPL](#) License.

Securing Your Installation

If you see the welcome screen as shown opposite then it is time to secure your installation. Connect to your site using your FTP client as we did earlier (see the screenshot under the section *Setting File Permissions*) and change the file permissions for file `/e107_config.php` to 644.



A permissions set of "644" represents read/write access for the owner and read-only access for group and other users

We have now completed a full installation of e107. However, before we move on to the next chapter let's look at updating an installation and some troubleshooting tips for when the install does not quite go as smoothly as above.

Upgrading an Existing e107 Installation

The e107 development team is dedicated to improving e107. In fact, the 0.7 version was almost a complete rewriting of code from 0.6. You should always keep your e107 up to date. Most version upgrades fix security problems or minor bugs in the code. Additionally e107 issues upgrades when updates to MySQL and PHP may affect functionality. Before you roll your eyes back into your head, updating is very easy.

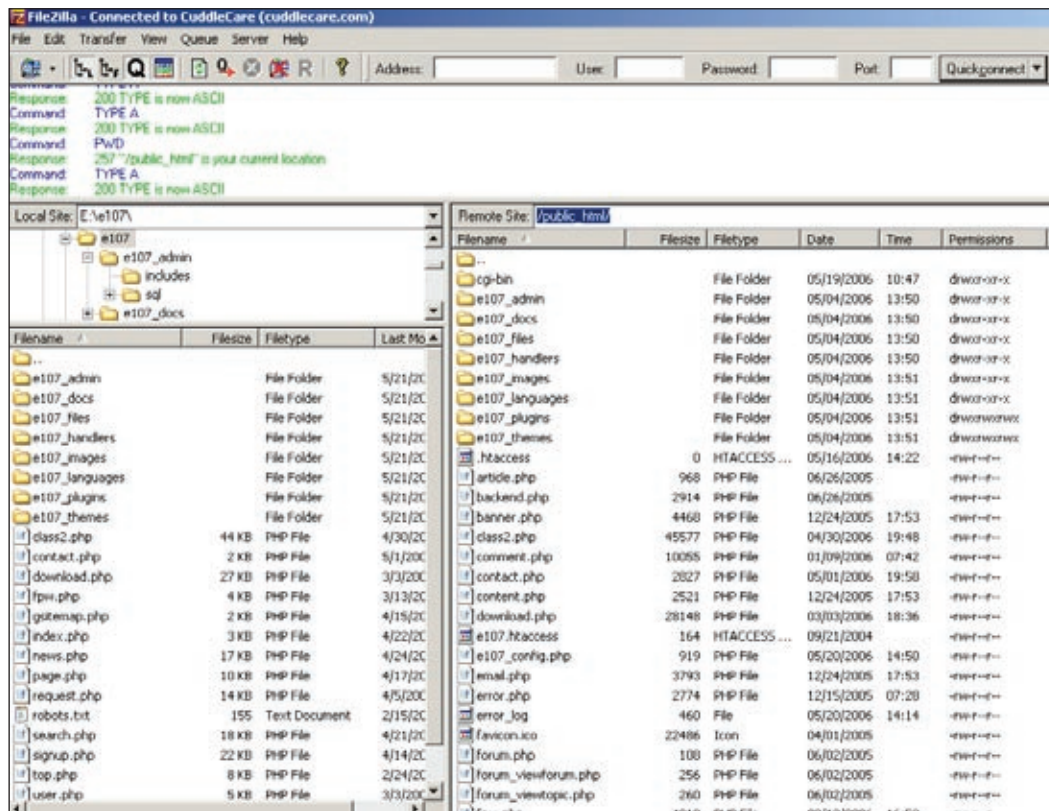


Before any changes are made to your current installation you need to make a backup of your e107 database. Failure to do this simple operation can cost you hours or days of work.

Here is what you need to do:

1. You should make a backup of your e107 database before making any changes. With a hosting control panel this is usually done by locating the MySQL or some panels have a backup feature that allows you to make a full backup of your website or databases. If you have this feature, select backup of the database.
2. Locate the latest update from <http://e107.org/download.php>. This is usually the first file located under the section displaying full installation links and will be similar to **e107 0.7.x to 0.7.7 Upgrade (.zip)**.

3. Click on the link and download into a folder on your computer.
4. Unzip the folder.
5. Usually updating consists of uploading the files to the server overwriting the existing files. But before you do this, make sure to check for any readme files. If present, these will contain any special instructions; otherwise you can continue.
6. Open your FTP client so that you have the upgrade source files as shown in the screenshot below.
7. Transfer all the folders and files to your web server overwriting existing files.
8. Once all the files have been uploaded log out of the FTP client.



You can see that upgrade process was easy and it only took a couple of minutes. I recommend that you check for updates preferably once a week or at least once a month.

Database Updates

There can be database updates within an upgrade release. In this case, when you log in to the admin area of your site, you will see a button in the center of the screen (above the welcome 'name' part with all the image buttons) stating that an update is needed on the database. Before updating your database, ensure that you make a backup first before you click on the button.

Troubleshooting Common Installation Problems

I was going to call this section "when things go wrong" and have a little guy pulling his hair out but didn't want to confuse you into thinking I was advertising an old B horror film. Like everything in life, things do not always go according to plan, especially when it comes to loading programs or updating them. I am sure that you have experienced a problem or two in your computing lifetime.

If you are the victim of a stuck installation or the files are installed but you have a blank screen where the welcome screen should be, do not bang the keyboard or throw your computer on the floor. It is all right to swear if you want. However, once your face turns from red back to normal go to <http://www.e107.org> site and select forums. By using the search forum feature you can search for your specific problem. Chances are that with so many users, the problem and its respective solution will be available.



When searching the forums it is best to start with the oldest response and work forward providing that you are viewing information for the version that you have installed. As you look at the forums you will notice that many people ask the same questions but usually you will only find a response to the first query. Please remember that the development team and support team members donate their time and we should all endeavor not to waste it on unnecessary queries.

Summary

In this chapter we have learned where to obtain the latest version of e107 and gone through the installation process step by step. We learned the importance of backing up your database and finally we covered how to keep e107 in up-to-date form and provided you with a troubleshooting resource. Now go grab your favorite caffeinated beverage, stretch your legs, and we will proceed with creating our website.

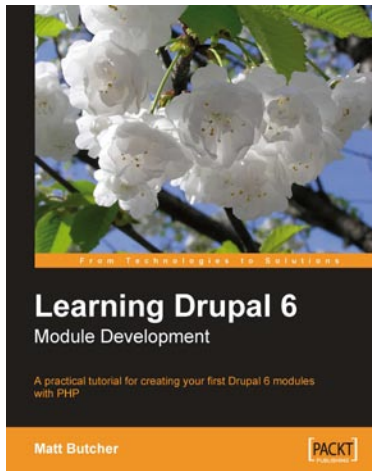


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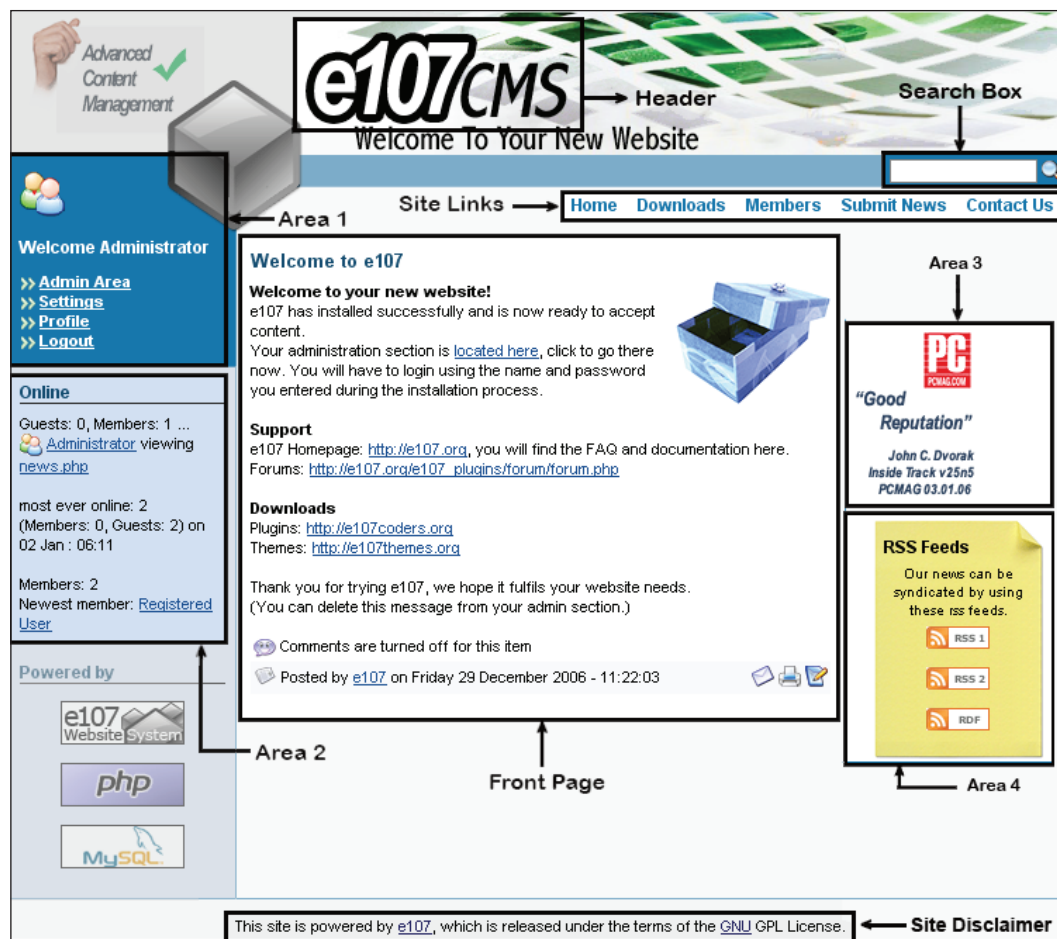
Setting Site Preferences

Now that we have installed e107 and had a chance to view the front page, you are probably thinking to yourself, there is not much available. Trust me, there are plenty of options available, which we will explore together as we make our website. Before we start, keep in mind that with a CMS, you have a front end and a back end. If you are familiar with word processing programs then it is just like a mail-merge document. The theme (front end) is analogous to the document body in a theme. It then fills in the various fields with the information contained in the database (back end), which in turn then displays what look like individually prepared letters. If you are new to making websites or have never done mail merge, think of a theme as that one meal that you make that comes out perfect every time but then tell each of the people that have eaten it that it was prepared especially for them. The principle is the same, just a different technology.

The e107 Front End

The front end, also known as the theme, is the web page that our site visitors will see. Looking at the screenshot on the next page, you can see how the theme's front page is divided into several smaller areas that are as follows:

- Header
- Search Box
- Front Page
- Area 1
- Area 2
- Area 3
- Area 4
- Site Disclaimer

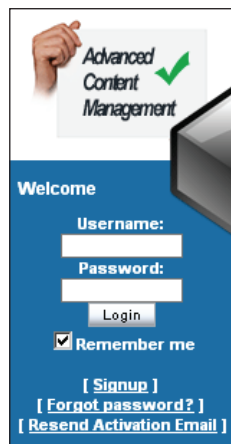


Of course, you are not restricted to this particular layout when you develop your own site. Themes are flexible and provide you with a quick method to change the look of your entire site with just a couple of clicks of your mouse. You can make a selection from one of the many free themes that are included with e107, develop your own theme, or hire a designer to make a customized theme. While customizing a theme is beyond the scope of this book, we will look at customizing the layout of an existing theme in Chapter 4.

Creating a Username and Password

Many web administrators like to control the display of information on their website to its visitors. E107 assumes during the install that you will want to register users. You can allow all visitors to view your front page and then you can prompt for username and password to access the rest of your site. You can also create different levels of user groups and restrict access based on groups, which we will cover later.

For the purpose of Cuddle Care, we would like our visitors to register before using any of the features such as using the forums or uploading pet photos, and also so that we can notify the users of important information that may affect their pet's health, send holiday or birthday greetings, etc. Take a moment now, and go to the login block at the upper left corner under the header. Just under where it says, **Remember Me** you will see the **Sign Up** link as shown in the screenshot below. If you have been on the Web and have signed up on CMS websites you may think I am insulting your intelligence by explaining and showing screenshots on this but you are going to encounter some visitors who want to become members that have never registered on a CMS site. **Nine out of ten times the reason that they cannot register, is that they entered the username and password and then clicked the Login button.**



Click on the **Signup** link. The first thing you will see is the COPPA (Child Online Protection and Privacy Act) statement.

This site complies with The Children's Online Privacy Protection Act of 1998 (COPPA) and as such cannot accept registrations from users under the age of 13 without a written permission document from their parent or guardian. For more information you can read the legislation here. Please contact the main site admin here if you require assistance.

Please certify you are 13 or over the age of 13.

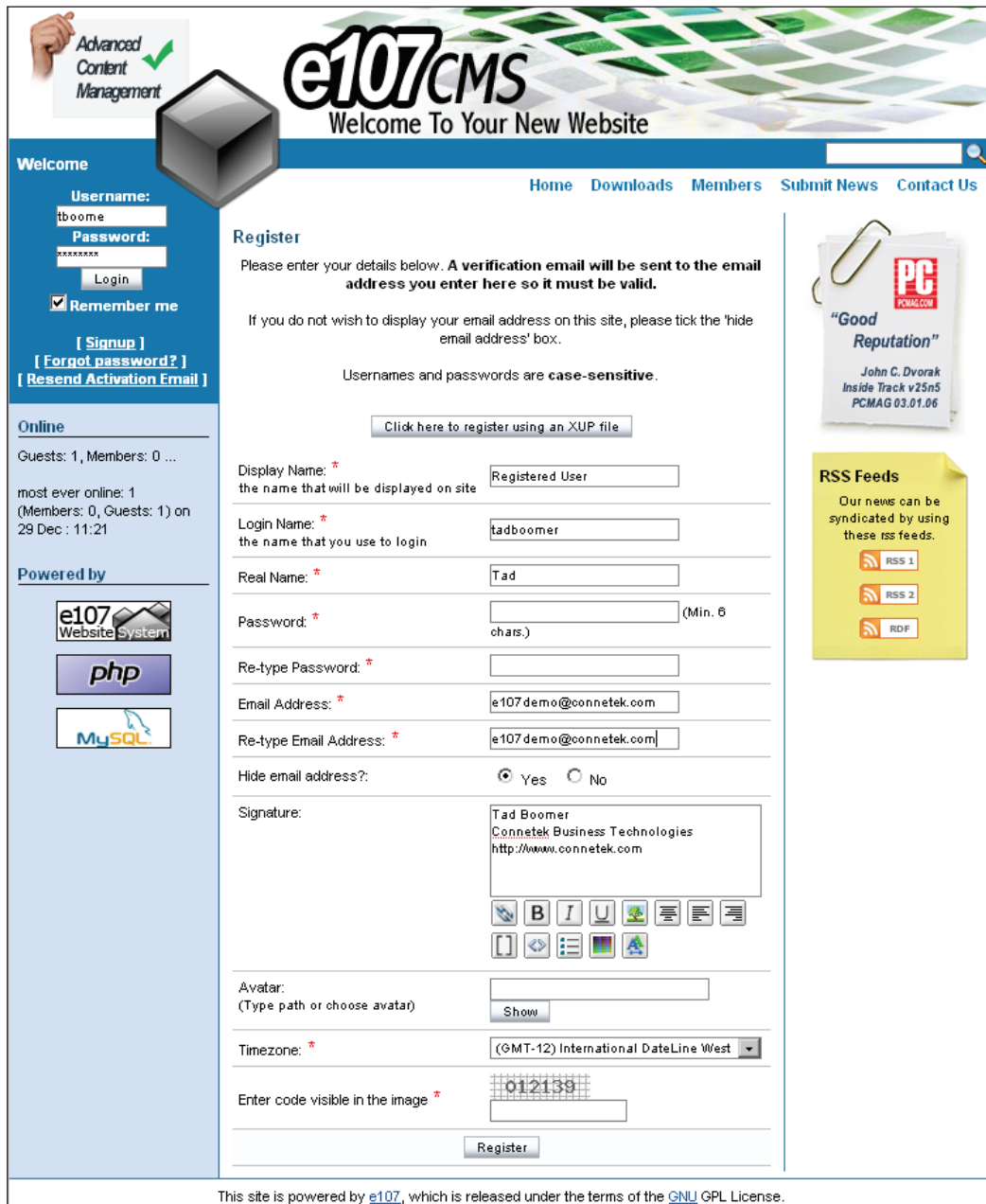
No Yes

Select **Yes** and then the **Continue** button. The next page is the user-registration page.

Let's create a user named **Registered User**. To do this, enter in the information as follows:

- **Display Name:** This field will allow you to enter the name that people will see online. We will enter **Registered User** here.
- **Login Name:** This will allow you to enter the login name that you wish to use.
- **Real Name:** This field will allow you to enter your legal name. This information is not shown on the website. Most administrators use this as part of an identification process when there are problems with logins.
- **Password:** This field will allow you to enter the password you wish to use. (The best way is to use a combination of upper and lowercase letters mixed with numbers.)
- **Re-Type Password:** This is done to confirm whether you have entered the same password as that in the previous field. If the two passwords do not match you will get an error message.
- **Email Address:** This field will allow you to enter the email address that you wish to use. (E107 will then send you an email with a link to validate your registration.)
- **Re-type Email Address:** This is done to confirm whether you have entered the same email address as that in the previous field. If the two email addresses do not match you will get an error message.
- **Hide email:** This field will allow you to select **Yes** or **No** depending upon your preference.
- **Signature:** You can leave this field blank. For the purpose of showing what it is used for I have provided a sample signature of my company. (See screenshot on the next page.)
- **Avatar:** This is optional. An avatar is an 80 x 80 pixels or small graphic used to represent an individual. Avatars can be as simple as a photo that has been shrunk to these proportions or drawings or logo avatars created by artistic individuals.
- **Timezone:** This field will allow you to enter the appropriate time zone for your location from the drop-down list. If you are unsure what your time zone is, then you can go to <http://www.greenwichmeantime.com/gmt-converter2.htm> for a complete listing.

- **Enter code visible in this image:** This field will allow you to enter the code you see in the text box below it. This is a security measure meant to thwart computer programs from automatically registering on your site.
- Click on the **Register** button.



Welcome

Username:

Password:

☒ Remember me

[\[Signup \]](#)

[\[Forgot password? \]](#)

[\[Resend Activation Email \]](#)

Online

Guests: 1, Members: 0 ...

most ever online: 1
(Members: 0, Guests: 1) on 29 Dec : 11:21

Powered by

e107 Website system

php

MySQL

Register

Please enter your details below. A verification email will be sent to the email address you enter here so it must be valid.

If you do not wish to display your email address on this site, please tick the 'hide email address' box.

Uppercases and passwords are case-sensitive.

[Click here to register using an XUP file](#)

Display Name: *
the name that will be displayed on site

Login Name: *
the name that you use to login

Real Name: *

Password: *
(Min. 6 chars.)

Re-type Password: *

Email Address: *

Re-type Email Address: *

Hide email address?: ☒ Yes ☐ No

Signature:

Avatar:
(Type path or choose avatar)

Timezone: *

Enter code visible in the image *

RSS Feeds

Our news can be syndicated by using these rss feeds.

[RSS 1](#)

[RSS 2](#)

[RDF](#)

This site is powered by [e107](#), which is released under the terms of the [GNU GPL License](#).

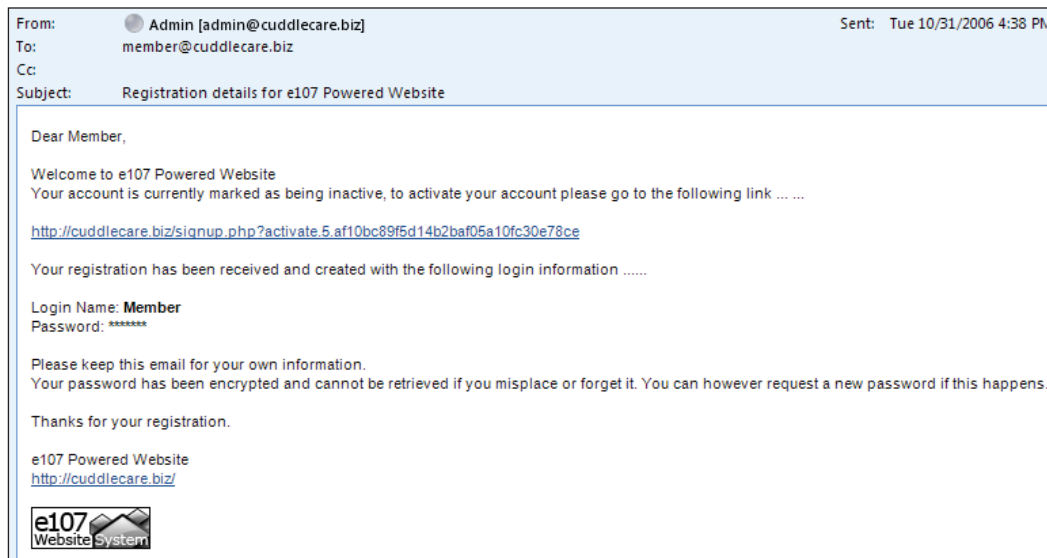
Activating Your Registration

The next step is for you to go check your email. You should receive an email with a subject line that says **Registration details for e107 Powered Website**, as shown in the screenshot below. This email also contains a registration completion link. To complete the registration process you must click on the link or cut and paste the link into your browser. If you have completed this step you will be transported to your e107 site and see the following message:

Thank You!

This stage of registration is complete. You will receive a confirmation email containing your login details. Please follow the link in the email to complete the signup process and activate your account.

If you do not click on the registration completion link, you will not be a registered user. Your information will stay in the system as incomplete until you complete the last step or an administrator manually approves the registration.



The User or Member Welcome Page

Now go over to the login section in the upper-left corner and enter the username and password of the registered user that you just now registered, and press the **Login** button. You will now see the member's front page as shown in the screenshot below:

Advanced Content Management

e107CMS

Welcome To Your New Website

Home Downloads Members Submit News Contact Us

Welcome Registered User

- >> Settings
- >> Profile
- >> Logout

Online

Guests: 0, Members: 1 ...
[Registered User](#) viewing [news.php](#)

most ever online: 1
 (Members: 0, Guests: 1) on 29 Dec : 11:21

Members: 2
 Newest member: [Registered User](#)

Powered by

e107 Website System
 php
 MySQL

Welcome to e107

Welcome to your new website!
 e107 has installed successfully and is now ready to accept content.
 Your administration section is [located here](#), click to go there now. You will have to login using the name and password you entered during the installation process.

Support
 e107 Homepage: <http://e107.org>, you will find the FAQ and documentation here.
 Forums: http://e107.org/e107_plugins/forum/forum.php

Downloads
 Plugins: <http://e107coders.org>
 Themes: <http://e107themes.org>

Thank you for trying e107, we hope it fulfils your website needs.
 (You can delete this message from your admin section.)

Comments are turned off for this item

Posted by [e107](#) on Friday 29 December 2006 - 11:21:49

"Good Reputation"
 John C. Dvorak
 Inside Track v25n5
 PCMag 03.01.06

RSS Feeds
 Our news can be syndicated by using these rss feeds.

- RSS 1
- RSS 2
- RDF

This site is powered by [e107](#), which is released under the terms of the [GNU GPL License](#).

It looks just like the visitor front page except you will notice that a small menu has replaced the area where the login was located. Just beneath that menu, you will see a light blue area that shows that your status is online and what section of the site you are viewing. Beneath this information are some general statistics about the number of people who have been online at a particular time, how many were members, how many were guests, and the date and time details. Just below that are the total number of members and the name of the newest member to join your site.

The e107 Back End

The back end is the backbone of your system. All aspects of e107 are configured through the back end. Like the front end, we control the back end by means of a theme. Initially the administrative theme is different from the front-end theme. So we will all be on the same page, leave the administrative theme set to the default, which is Jayya v1.0. The administrative theme can be accessed using either a **direct** or an **indirect** method.

- The direct method, which I recommend, is to use the administrative login located at http://yourdomain.com/e107_admin/admin.php as shown below:

	[e107 website system] [admin area]	Please log in to gain access to administration area ... Home Downloads Members Submit News Contact Us		
Welcome				
Please log in to proceed to administration area ...				
		Admin Name		
		Admin Password		
		Log In		
This site is powered by e107 , which is released under the terms of the GNU GPL License.				

- The indirect method by logging in using your administrative username and password on the front page and then selecting the **Admin Area** in the menu on the left side of your screen as shown in the screenshot below:

e107CMS
Welcome To Your New Website

Home Downloads Members Submit News Contact Us

Welcome Administrator

- >> [Admin Area](#)
- >> [Settings](#)
- >> [Profile](#)
- >> [Logout](#)

Online

Guests: 0, Members: 1 ...
[Administrator](#) viewing [news.php](#)

most ever online: 1
 (Members: 0, Guests: 1) on 29 Dec : 11:22

Members: 2
 Newest member: [Registered User](#)

Powered by

e107 Website System
 php
 MySQL

*** Please delete install.php from your server ***
 if you do not there is a potential security risk to your website

Fresh...

Welcome to e107

Welcome to your new website!
 e107 has installed successfully and is now ready to accept content.
 Your administration section is [located here](#), click to go there now. You will have to login using the name and password you entered during the installation process.

Support
 e107 Homepage: <http://e107.org>, you will find the FAQ and documentation here.
 Forums: http://e107.org/e107_plugins/forum/forum.php

Downloads
 Plugins: <http://e107coders.org>
 Themes: <http://e107themes.org>

Thank you for trying e107, we hope it fulfils your website needs.
 (You can delete this message from your admin section.)

Comments are turned off for this item

Posted by [e107](#) on Friday 29 December 2006 - 11:22:00

RSS Feeds

Our news can be syndicated by using these rss feeds.

- [RSS 1](#)
- [RSS 2](#)
- [RDF](#)

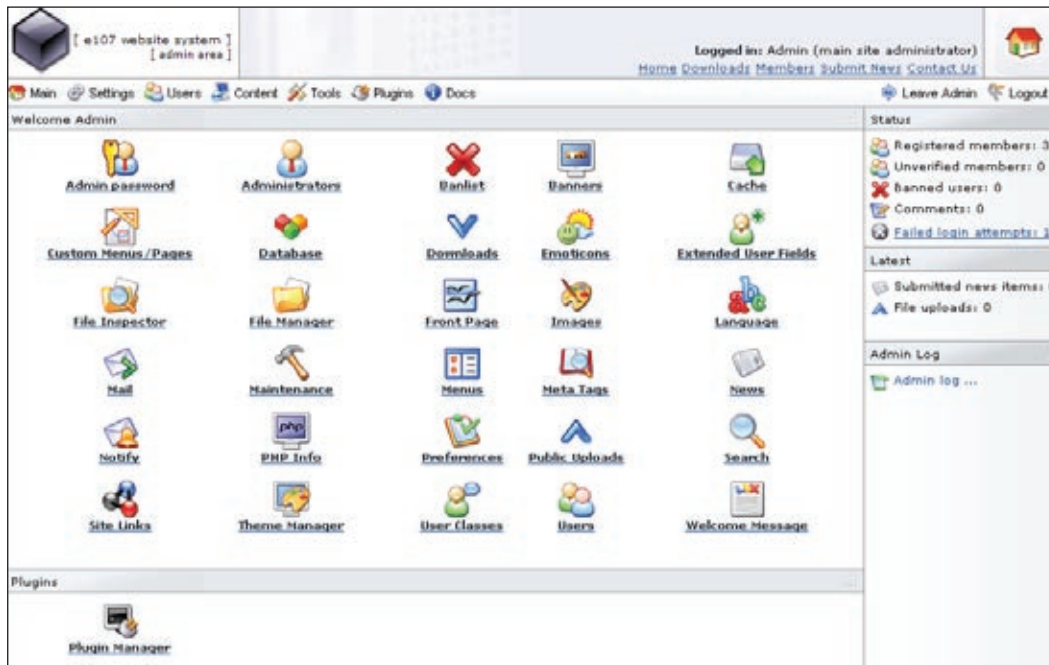
This site is powered by [e107](#), which is released under the terms of the [GNU GPL License](#).



Please note that if you did not delete the `install.php` file as instructed in Chapter 2 you will see a security warning on the front page as shown in the screenshot in the previous page. If you see this message, open your FTP client, log in, and delete the `install.php` file which is located in your e107 installation root directory.

Setting Site Preferences

The first thing we need to do after logging in as administrator is to set our site preferences. There are two ways to access administrative functions. One is the administrative tool bar in the upper-left corner and the other is by selecting the icons on the administrative interface shown below. To set the site preferences from the toolbar select **Settings | Preferences**. To set the site preferences from the administrative interface just select the **Preferences** icon as shown below:



The **Site Preferences** interface, as shown in the screenshot below, is one of the most important screens in the administrative interface.

Preferences Help
Your preferences allow you to specify all the important settings on your site, from site name and description to flood protection and profanity filtering.

Core preferences saved to database.

Site Preferences

Site Information

Site Name: Cuddle Care Animal Hospital

Site URL: http://cuddlecare.biz/

Redirect all requests to site URL. For example, if your site URL above is set http://foo.com, anyone requesting http://www.foo.com will be redirected to http://foo.com. ☒ On ☐ Off

Site Link Button: button.png

Site Tagline: Veterinary Medicine with the Cuddle Care Touch

Site Description: Cuddle Care provides loving professional medical, surgical and dental care services for your pet.

Main site admin: Admin

Main site admin email: admin@cuddlecare.biz

Site Contact Information eg. Company Name, Address, Phone etc.:
 Cuddle Care Animal Hospital [h]
 1025 EW Connector
 Austell, GA, USA 30106
 Phone: [h] 770-434-0311
 Fax: [h] 770-434-0312
 Email: [h] admin@cuddlecare.biz

Allow users to email copy of contact email to self. Possible opening for allowing spam, use with caution. ☐ On ☒ Off

Site Disclaimer: Copyright © 2007 Cuddle Care Animal Hospital
 This site is powered by "a href="http://e107.org/">e107
 This site is powered by "a href="http://e107.org/">e107, which is released under the terms of the "a href="http://www.gnu.org/">GNU License.

Options

- Site Information
- Display Information
- Admin Display Options
- Date display options
- User registration/posting
- Signup Page Options
- Text rendering
- Security & Protection
- Comments
- Advanced Features

Save Changes

When you enter **Site Preferences**, you will automatically see the default **Site Information** menu. It is one of several options available in the **Options** menu at the right-hand side that include:

- **Site Information:** Here you can configure the site name, site URL, redirect all requests to the site URL, specify a site link button, and enter a site tagline. You can also provide a site description, specify the main site admin name display, specify the admin email address, site contact information (such as company name, address, phone, and email address), allow users to email a copy of contact email to themselves, and specify a site disclaimer.
- **Display Information:** This option controls the display of theme information, page render times, and database queries.
- **Admin Display Options:** This option allows the administrator to let the system display plugin information, and to choose if plugins will display their own info in an individual menu or as one menu. Only the administrator(s) will see this information.

- **Date display options:** This option controls how e107 displays short dates, long dates, forum dates, time offset for Greenwich Mean Time (GMT) or if you wish to display a local time zone such as EST, PST, etc.
- **User registration/posting:** This option controls activation of the user-registration system, the use of XML user profiles, user verification method, email validity checking, display and agreement of the COPPA (Children's Online Protection and Privacy Act) statement, restriction of the website (excluding front page) to registered members only, minimum length for passwords, maximum signups from the same IP address, restriction of usernames, display of names, and maximum display length of names.
- **Signup Page Options:** This option controls the text to display on the sign-up page, the text to display on the successful form submission page, the display of real names, signatures, avatars, time zones, and whether to subscribe to content and other mailouts.
- **Text rendering:** With this option you can control if posted links are clickable, replace links with text or image, make links open in a new window, wrap long words in main text, wrap long words in menu text, allow HTML in posts and allow a chosen userclass to post HTML code, enable the WYSIWYG (What You See Is What You Get) editor, use of classic next/previous menu, and the activation of PHP code.
- **Security & Protection:** This option controls the enabling of SSL (Secure Socket Layer), image-code verification during signup/login/forgotten password, secure signup verification email, multiple logins, tracking users via cookies, filtering of profanities, and flood protection.
- **Comments:** This option controls the display of the new comment icon, nesting comments, or disabling comments on the site.
- **Advanced Features:** This controls activation of the developer functions, compressing site output using gzip, and selecting the e107 authentication method.

Site Information

The first thing we want to do is to set the site information as shown in the screenshot on the previous page. Enter the following:

- **Site Name:** This is the name that you wish your e107 site to be called. We will enter **Cuddle Care Animal Hospital**.
- **Site URL:** This is the URL from your website. We will enter `http://www.cuddlecare.biz`.

- **Redirect all requests to site URL:** If your site URL is set to `http://foo.com`, anyone requesting `http://www.foo.com` will be redirected to `http://foo.com`, when this option is enabled. We will select the **On** option.
- **Site Link Button:** This is a small graphic that can be displayed. When the user clicks on the button, they are taken to the front page of our site. We will not make any changes to this setting now.
- **Site Tagline:** This is where you enter your site's tagline or motto. We will enter **Veterinary Medicine with the Cuddle Care Touch**.
- **Site Description:** This field will allow you to describe the purpose of your website or business. We will enter this description: **Cuddle Care provides loving professional medical, surgical, and dental care services for your pet.**
- **Main Site Admin:** This is the person responsible for the administration of the website. Your name should be in this block but you may change it.
- **Main Site Admin Email:** You should enter the email address of the person responsible for administering the site. The admin email that is displayed by default is the one that you entered while installing e107. You may change it here if you wish.
- **Site Contact Information:** Enter your contact information here. You can use standard bb (bulletin board) code to enhance this information. For a list of codes you can go to <http://en.wikipedia.org/wiki/BBCode>. We will enter the following information:
[b]Cuddle Care Animal Hospital [/b]
1025 EW Connector
Austell, GA, USA 30106
[b]Phone: [/b] 770-434-0311
[b]Fax: [/b] 770-434-0312
[b]Email: [/b] admin@cuddlecare.biz
- **Allow users to email copy of contact email to self:** We will select the **Off** option.
- **Site Disclaimer:** This is the information that is displayed at the bottom of each page. Usually it consists of your copyright statement but you can enter any information you wish here. It can be written in text or XHTML. We will enter this **Copyright 2007 Cuddle Care Animal Hospital
 This site is powered by e107, which is released under the terms of the GNU GPL License.**

To save our changes made in the settings above, select the **Save Changes** button.

Display Information

This menu allows us to display theme information, page render time, and the number of SQL queries made to render the page. These items are set to **Off** by default. Even though it isn't important to our site, we will turn the **Display render time** option to **On**. Make sure to click on the **Save Changes** button. After you have saved your changes scroll down to the bottom of the screen and you will see the time it took to render your page.

Admin Display Options

This menu displays information regarding plugins that extend the functionality of e107 on the administrative interface. We do not need to make any changes to the default settings.

Date Display Options

This menu allows you to set the format for the display of short dates (e.g. 31 Oct: 20:47), long dates (e.g. Tuesday 31 October 2006 - 20:47:35), forum dates (e.g. Tue Oct 31 2006, 08:47PM), and to set the GMT (Greenwich Mean Time) offset to your location. If you would like to have more information on date formats, go to <http://www.php.net/manual/en/function.strftime.php>.

Our site is located in the Eastern Time Zone. To find your GMT offset go to <http://www.greenwichmeantime.com>. Locate the **Time Offset** field and select **-5**, then click on the **Save Changes** button.

User Registration/Posting Option

For the purpose of our website, we are going to keep most of the default settings but we need to keep security in mind so we need to do the following:

- **Activate user registration system?:** This will enable you to allow users to register as members on your site. We will select the **On** option.
- **Allow registration using XML User Profiles:** This is a method where the user can create an XML profile that is unique to them to use on the sites that accept them. See <http://xprofile.berlios.de/intro.htm> for more information and for a profile creation tool. We will select the **On** option.
- **New user verification method:** This field will enable you to select a new user-verification method. We will select the **Email Verification** option from the drop-down menu. If **Admin Approval** is selected, it is recommended that you enable email notification on the user signup here.

- **Check remote servers when validating email addresses:** If this is turned on the system will check the email address given to make sure it is valid. We select the **On** option.
- **Allow anonymous posting?:** We will select the **Off** option. This option will allow only registered members to post comments.
- **Use COPPA on signup page?:** This will enable you to use COPPA on the sign-up page. We will switch it on. For more info on COPPA go to <http://www.coppa.org>.
- **Restrict website to members only:** This field will enable you to restrict all areas apart from the front page and signup page to members only. We will select the **On** option.
- **Minimum Length for Passwords:** This will enable you to specify the minimum length for passwords that users can enter; we will enter **6**. Leave the field blank to disable it.
- **Maximum Signups permitted from the same IP address:** This will enable you to specify the maximum sign ups permitted from the same IP address. We will keep the default value, which is **3**.
- **Disallow usernames:** This field will enable you to specify the disallowed names. We will enter the following disallowed names:
**ADMIN,ADMINISTRATOR,MANAGER,MODERATOR,OWNER,
GOD, Admin,Administrator,Manager,Moderator,Owner,God,admin,
administrator,manager,moderator,owner,god**
- **Display Name available to:** This field allows others to see your displayed username. We will select the **Everyone (public)** option from the drop-down menu.
- **Display Name maximum length:** This is used to restrict the number of characters in a username so that it does not break the display boundaries of your site. We will set it to **15**.

Setting Site Preferences

Your screen should look as shown in the screenshot below. Save your changes using the **Save Changes** button.

Core preferences saved to database:		Options
Site Preferences		Site Information
User registration/posting		Display Information
Activate user registration system? allow users to register as members on your site	☒ On ☐ Off	Admin Display Options
allow registration using XML User Profiles	☒ On ☐ Off	Date display options
New user verification method If 'Admin Approval' is selected, it is recommended that you enable email notification on user signup here .	Email Verification	User registration/posting
Check remote servers when validating email addresses.	☒ On ☐ Off	Signup Page Options
Allow anonymous posting? switch this off to allow only registered members to post comments etc	☐ On ☒ Off	Text rendering
Use CAPTCHA on signup page? for more info on CAPTCHA see here	☒ On ☐ Off	Security & Protection
Restrict website to members only ticking will restrict all areas apart from the front page and signup page to members only	☒ On ☐ Off	Comments
Minimum Length for Passwords Leave blank to disable	6	Advanced Features
Maximum Signups permitted from the same IP address.	3	
Disallow usernames usernames containing the following text will be rejected, separate entries by commas	R,0wn3d,R,00d,Admin,Administrator,Manager,Mode,rator,Owner,God,admin,administrator,manager,moder,ator,owner,god	
Display Name available to:	Everyone (public) Reset ALL Display Names	
Display Name maximum length:	15	
Save Changes		

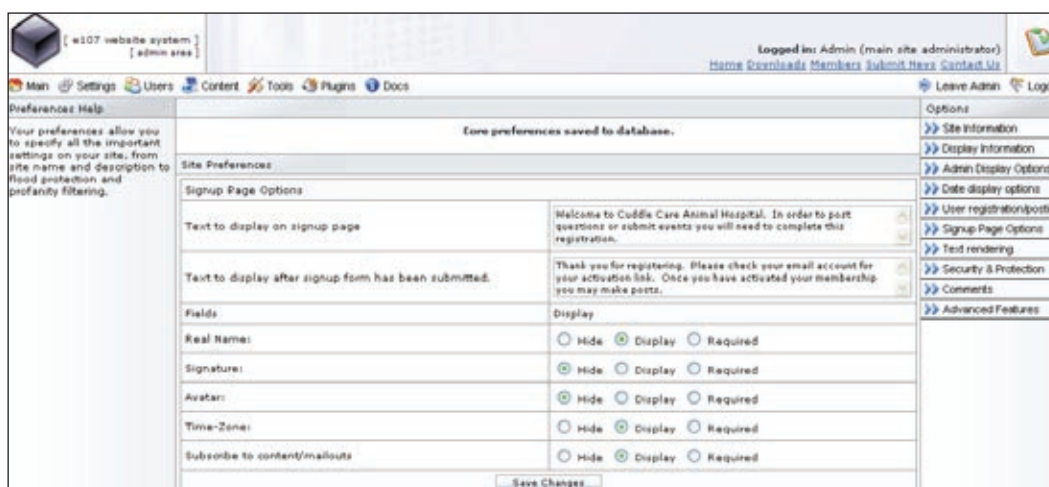
Signup Page Options

The signup page menu allows us to personalize the registration process and also to control which fields to display, hide, or for which to require an entry. Add the following information:

- **Text to display on signup page:** This is a message that will be displayed to users when they opt to register. We will enter this: **Welcome to Cuddle Care Animal Hospital. In order to post questions or submit events you will need to complete this registration.**
- **Text to display once form has been submitted:** This is a message that will be displayed to the user when they have completed the registration process. We will enter this: **Thank you for registering. Please check your email account for your activation link. Once you have activated your membership you may make posts.**
- In the following fields you have three options: To hide the information (not required), display the information (optionally provided), or require it (make the entry mandatory).
 - **Real Name:** We will select the **Display** option from the drop-down menu.
 - **Signature:** We will select the **Hide** option from the drop-down menu.

- **Avatar:** We will select the **Hide** option from the drop-down menu.
- **Time-Zone:** We will select the **Display** option from the drop-down menu.
- **Subscribe to content/mailouts:** We will select the **Display** option from the drop-down menu.

Your screen should look as shown in the screenshot below. Save your changes using the **Save Changes** button.



Text Rendering

Our next menu is **Text Rendering**. Be careful of what you allow in this section. Allowing HTML and PHP code into posts can give spammers, crackers, and hackers an avenue to damage or destroy your site. We need the following changes for Cuddle Care:

- **Make posted links clickable:** This when turned on will convert posted links to hyperlinks. We will select the **On** option.
- **Replace links?:** If this is selected, posted links will be replaced by the text entered in the text box below and will avoid very long links from breaking layout. We will select the **On** option.
- **Links in new window?:** This will enable you to open all links in a new window. We will select the **On** option.

- **Link replace:** You can replace links with visible text. We will enter the text **CLICK TO VISIT**. An image can also be used by using an `<img>` tag, with the full path to the image.
- **Email link replace text:** You can enter text to replace email links. We will enter **EMAIL**. An image can also be used by using an `<img>` tag, with the full path to the image.
- **Wrap long words in main text:** The text longer than the number of characters entered will be wrapped onto a new line for main text. We will enter **60**.
- **Wrap long words in menu text:** The text longer than the number of characters entered will be wrapped onto a new line for main text. We will enter **20**.
- **Allow HTML posting:** This will allow users to post HTML code anywhere on the site; select the userclass to allow to do this. We will select the **Admin** userclass from the drop-down menu.
- **Enable WYSIWYG textareas:** Will display a what-you-see-is-what-you-get editor in text areas when available. This is applicable only to the administrator and users that are allowed to post HTML. We will select the **On** option. If you are experienced with XHTML or HTML you will probably not want to turn this editor on but if you are not familiar with coding then you will find this editor most useful.
- **Use 'classic' nextprev look:** This setting when turned on will show the **nextprev** pages as **1 2 3 ... 21 22 23**, instead of the new look with the dropdown. We will select the **Off** option.
- **Activate use of [php] bbcode:** This will allow authorized users to post [php] code in certain areas. We will select the **Admin** option from the drop-down menu.

Your screen should look as shown in the screenshot below. Click the **Save Changes** button.

e107 website system [admin area]

Logged in: Admin (main site administrator)
Home Downloads Members Submit News Contact Us

Main Settings Users Content Tools Plugins Docs

Leave Admin Logout

Preferences Help
Your preferences allow you to specify all the important settings on your site, from site name and description to flood protection and profanity filtering.

Core preferences saved to database.

Site Preferences

Make posted links clickable: Turning this on will convert posted links to hyperlinks	☒ On ☐ Off
Replace links?: If ticked, posted links will be replaced by the text entered in the textbox below, will stop very long links breaking layout	☒ On ☐ Off
Links in new window?: Tick here to make all links open in a new window (this will apply to all links)	☒ On ☐ Off
Link replace text: text to replace links with, image can be used by using <img tag, with full path to image	CLICK TO VISIT
Email link replace text: text to replace email links with, image can be used by using <img tag, with full path to image	EMAIL
Wrap long words in main text: words longer than the length entered will be wrapped onto a new line	
Wrap long words in menu text: words longer than the length entered will be wrapped onto a new line	
Allow HTML posting: This will allow users to post HTML code anywhere on the site, select the userclass to allow this.	Admin
Enable WYSIWYG textareas: Will display a what-you-see-is-what-you-get editor in textareas when available. Applies only to Admins and Users that are allowed to post HTML.	☒ On ☐ Off
Use 'classic' nextprev look: Turning this on will show the nextprev pages as 1 2 3 ... 21 22 23, instead of the new look with the dropdown.	☐ On ☒ Off
Activate use of [[php]] bbcode: Activating this will allow authorized users to post [php] code in certain areas	Admin

Options
 >> Site Information
 >> Display Information
 >> Admin Display Options
 >> Date display options
 >> User registration/posting
 >> Signup Page Options
 >> Text rendering
 >> Security & Protection
 >> Comments
 >> Advanced Features

Security & Protection

In a perfect world everyone would use the Internet for genuine purposes like sharing information, learning, and entertainment. However, in the real world there are lots of people out there using the Internet to spy, spam, and do all kinds of harm. With this in mind the developers are constantly making improvements to thwart these denizens of the Web. We can use the security and protection options for using secure certificates and SSL to operate a pay site or safeguard sensitive information, enable the use of image code verification to thwart the use of robots and spiders to create auto accounts and flood our system, set cookies, filter profanities, and remind us to change our password.



For most users the default settings will be correct. Since this is an actual website as well as a site for this book I have included the settings that Cuddle Care will be using. Also for the sake of decency and to protect minors who may be using this book, I have not included the censored words; however, one should try to think of as many as possible to include in the actual list as if it is not in the list and someone uses it, it will not be censored.

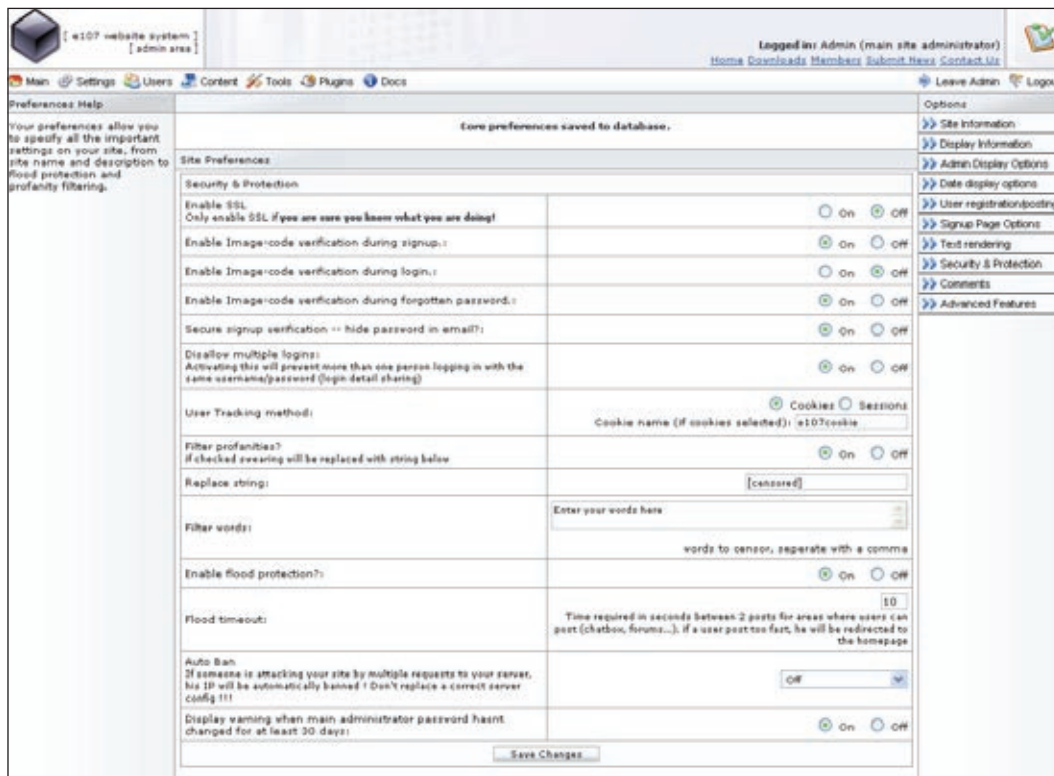
Let's make the following settings for our site:

- **Enable SSL:** This setting allows you to secure your site with SSL (Secure Socket Layers). If you have done online banking or ordered online then you must have used SSL. You need an SSL certificate (ask your web-hosting service about this) before this can be used. If you use this function the entire site must operate in SSL mode. Only enable SSL if you are sure you know what you are doing. We will turn it off.
- **Enable Image-code verification during signup:** This setting when enabled creates a small graphic with letters and numbers that must be entered to complete the sign-up process. This is done to thwart automated registrations. We will select the **On** option.
- **Enable Image-code verification during login:** If this setting is turned on the user will have to enter an image code every time they log in. We will select the **Off** option.
- **Enable Image-code verification during forgotten password:** When this setting is turned on, a user who has received an email with their password will have to enter an image code before being allowed to proceed. We will select the **On** option.
- **Secure signup verification – hide password in email?:** When this setting is turned on e107 will not send the password in the email confirmation letter. If you set this to off, you should recommend that the user change their password upon logging in, as emails can be intercepted. We will select the **On** option.
- **Disallow multiple logins:** This will prevent more than one person logging in with the same username/password (login detail sharing). We will select the **On** option.

- **User Tracking method:** This is the method that e107 will use to track visitors to your site. You have a choice between **Sessions** (for more information on sessions go to <http://en.wikipedia.org/wiki/Session>) and **Cookies** (for more information on cookies go to http://en.wikipedia.org/wiki/HTTP_Cookie). Select the **Cookies** options.
 - **Cookie name (if cookies selected):** This is the name of the cookie that e107 inserts into the users browser. We will enter **e107cookie**.
- **Filter profanities?** This setting when enabled will replace swearwords or obscenities with the string entered in the next field. We will select the **On** option.
- **Replace string:** You can enter the word or words that will replace the profanities entered by a user. We will enter the word **Censored**.
- **Filter words:** This will allow you to specify the words to be censored. You can enter your words separated by commas.
- **Enable flood protection?:** This setting enables a script that prevents users from overloading or flooding your server with multiple requests. We will select the **On** option.
- **Flood timeout:** This works in conjunction with the above setting. You can specify the time required in seconds between two posts for areas where users can post. If a user posts too fast, he or she will be redirected to the homepage. We will enter the value **10**.
- **Auto Ban:** If someone is attacking your site by multiple requests to your server, the IP of that intruder will be automatically banned. You have a choice between **Off**, **Flood & Failed Login**, **Flood Only**, and **Failed Login Only**. We are setting this to **Off**; since we are still developing our site we will be logging on and off many times and opening multiple screens.
- **Use reverse DNS to allow host banning:** This will allow you to ban users by hostname, rather than just IP or email address. We will set this to **Off**.
- **Display warning when main administrator password hasn't changed for at least 30 days:** This will send a reminder to the administrator to change their password every 30 days. We will select the **On** option.

Setting Site Preferences

Your screen should look as shown below. Save your changes using the **Save Changes** button.



The screenshot shows the e107 website system admin interface. The top navigation bar includes links for Main, Settings, Users, Content, Tools, Plugins, and Docs. The user is logged in as Admin (main site administrator). The page title is 'Core preferences saved to database.' The main content area is titled 'Site Preferences' and contains several sections of settings:

- Security & Protection:**
 - Enable SSL: ☐ On ☒ Off
 - Enable Image-code verification during sign-up: ☒ On ☐ Off
 - Enable Image-code verification during login: ☒ On ☐ Off
 - Enable Image-code verification during forgotten password: ☒ On ☐ Off
 - Secure sign-up verification -> hide password in email: ☒ On ☐ Off
 - Disallow multiple logins: ☒ On ☐ Off
- User Tracking method:**
 - ☒ Cookies ☐ Sessions
 - Cookie name (if cookies selected): e107cookie
- Filter profanities:**
 - If checked swearing will be replaced with string below: ☒ On ☐ Off
 - Replace string: [censored]
 - Filter words: Enter your words here
 - words to censor, separate with a comma
- Enable flood protection?:** ☒ On ☐ Off
- Flood timeout:** 10 (Time required in seconds between 2 posts for areas where users can post (chatbox, forums...), if a user posts too fast, he will be redirected to the homepage)
- Auto Ban:** ☐ Off (If someone is attacking your site by multiple requests to your server, his IP will be automatically banned. I Don't replace a correct server config !!!)
- Display warning when main administrator password hasn't changed for at least 30 days:** ☒ On ☐ Off

A 'Save Changes' button is located at the bottom of the form.

Comments

The comments menu allows you to alert your users to new comments posted to the site, control how they are displayed, disallow any comments to the site, or let users edit their own comments. For our website, make the following configurations:

- **Display new comment icon:** When this is turned on, an icon will appear next to a new item alerting the viewer that it has recently been posted. We will select the **On** option.
- **Turn on nested comments:** When this is set, the viewer will see a comment and then all the responses to that comment will appear under it in an indented (nested) form. We will select the **On** option.
- **Allow posters to edit their comments:** When turned on this will allow the person who made the comment to edit their comment. We will select the **On** option.

- **Disable all comments on the site:** Some sites want to display information but do not want comments. Setting this off will prevent users from commenting. If it is turned on, a person with privileges (administrator, moderator) can override for a particular item. We will select the **Off** option.

Save your changes using the **Save Changes** button.

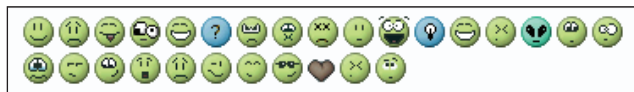
Advanced Features

The advanced features are for developers. We will not be using these functions here. If you are a developer, refer to the e107 WIKI at <http://wiki.e107.org> for more information.

We are now done with the **Preferences** section. So when do we get to change the front page? Be patient just a little time longer. Unlike making sites with an HTML editor, you have to set all these parameters first, then, you get to make the artistic changes.

Emoticons

Look! Up on the screen! It's a bird! It's a plane! It's a smiley face??? No it's an emoticon. While they can't fly, they are able to span multiple languages with a single smile. They are a valuable tool for allowing your users to display the emotions they wish to attach to the posts. The screenshot below shows you the default emoticons that were uploaded to the server when we installed e107. To use them all we have to do is activate them by selecting.



To activate the emoticons, do the following:

1. Select the **Settings | Emoticons** options from the toolbar or select the **Emoticons** icon in the administrative interface.
2. Select the **Activate emoticons** checkbox.
3. Select the **Update** button to save.

If you don't like little green emoticons, check the website <http://www.e107themes.org> for additional emoticon download packs.

Creating the Front Page

The moment you have been waiting for has finally arrived! We will be now creating the first page for our website. But before we make the first page we need to cover a couple of things. First you can control whether the front page data should be dynamic (changes constantly) or static (stays the same). The second thing is you can create different front pages for visitors, members, administrators, or any other user class you create. The fantastic thing is that you only need to enter the information for each, as the theme will take care of the layout for you. We will be covering adding content in detail in Chapter 7 so for now we will just whet our appetites by creating our front page.

Creating a Dynamic Front Page

When you click on **Home** in the administrative interface you are taken to the front page of the site. The text that you see on this page has been entered as a news item. We will learn more about configuring the news post in Chapter 7. For now we are going to create a sample news item. Please follow along with me and do the following:

- From the administrative interface select the **News** icon or select **Content | News** from the toolbar.
- From the **News Options** menu to the right select **Create News Item**.
- In the **Title** field enter **Welcome to Cuddle Care Animal Hospital**.
- In the **Summary** field enter **Welcome message**.
- In the **Body** field enter **At Cuddle Care Animal Hospital, we strive to meet or exceed client expectations for animal health care, offering high quality medical choices for clients. We provide excellent patient care, promote and foster the human-animal bond, and provide public education on health issues. At Cuddle Care, we truly provide the Cuddle Care Touch.**
- Scroll down to the bottom of the form and select the **Post news to database** button.
- Select **Home** from the main menu bar and you will see your welcome message as shown in the screenshot on the next page.

Advanced Content Management

[Home](#)
[Downloads](#)
[Members](#)
[Submit News](#)
[Contact Us](#)

Welcome Admin

- >> [Admin Area](#)
- >> [Settings](#)
- >> [Profile](#)
- >> [Logout](#)

Online

Guests: 0, Members: 1 ...
 Admin viewing [news.php](#)

most ever online: 2
(Members: 0, Guests: 2) on
01 Nov : 09:44

Members: 2
Newest member: [Admin](#)

Powered By

“Good Reputation”

John C. Dvorak
Inside Track v25n5
PCMag 03.01.06

RSS Feeds

Our news can be syndicated by using these rss feeds.

[XML](#) [RSS 1](#)

[XML](#) [RSS 2](#)

[XML](#) [RDF](#)

Welcome To Cuddle Care Animal Hospital

At Cuddle Care Animal Hospital, we strive to meet or exceed client expectations for animal health care, offering high quality medical choices for clients. We provide excellent patient care, promote and foster the human-animal bond, and provide public education on health issues. At Cuddle Care, we truly provide the Cuddle Care Touch. For a list of our services, please click on the Services button.

[Read/Post Comment: 0](#)

Posted by [Admin](#) on Wednesday 01 November 2006 - 10:06:56

Welcome to e107

Welcome to your new website!
e107 has installed successfully and is now ready to accept content.
Your administration section is , click to go there now. You will have to login using the name and password you entered during the installation process.

Support
e107 Homepage: , you will find the FAQ and documentation here.
Forums:

Downloads
Plugins:
Themes: |

Thankyou for trying e107, we hope it fulfills your website needs.
(You can delete this message from your admin section.)

Comments are turned off for this item

Posted by [e107](#) on Wednesday 25 October 2006 - 20:30:43

For our website we are going to use a static front page so we must first disable the existing messages. We need to select the administrative interface and perform the following steps:

1. Select the **News** Icon from the administrative interface or select **Content | News** from the toolbar.
2. Locate the **Welcome to Cuddle Care Animal Hospital** title and under **Options** select the **Edit** icon.
3. Scroll down the page to **Visibility** and click on **Choose which visitors will see news item**.
4. Uncheck the **Everyone (public)** checkbox.
5. Check the **No one (inactive)** checkbox.
6. Select the **Update news in database** button.
7. Repeat this process for the **Welcome to e107** message.

Now select **Home** from the main menu and your page should look as shown in the screenshot below:



Creating a Static Front Page

For some sites, a dynamic page like the one we just did is preferable, but for our veterinary business we want the initial message to stay constant and in the same location. This is very easy through the use of the **Welcome Message** feature. Let's do it together:

- Login to the administrative interface.
- Select the **Welcome Message** icon or select **Content | Welcome Message** from the toolbar.
- Select **Create New Message** from the **Options** menu at the right-hand side.
- For **Message Caption** enter: **Welcome!**
- For **Message Text** enter: **At Cuddle Care Animal Hospital, we strive to meet or exceed client expectations for animal health care, offering high quality medical choices for clients. We provide excellent patient care, promote and foster the human-animal bond, and provide public education on health issues. At Cuddle Care, we truly provide the Cuddle Care Touch.**
- Select **Create**.

Now select **Home** from the main menu and your front page will look as shown below:



Using the **Welcome Message** feature the message will stay at the top of all other text. For instance, if you were to add a news item about pet adoptions, it would appear on the front page where the **No news items at the moment – please check back soon** appears. We do not wish to have any information appear under our welcome message so we need to make changes using the **Front Page** configuration. To do this, return to the administrative interface and perform the following steps:

- Select the **Front Page** icon or select **Settings | Front Page** from the toolbar.
- In the **Set front page for** setting select the **All Users** option.
- Click the **Select** button.
- Choose the **Welcome Message** option in the **Set front page for all users** setting.
- Select the **Update Front Page Settings** button.

Now select **Home** from the main menu and view the front page. The **No news items at the moment – please check back soon** message will have disappeared.

Creating Different Front Pages by User Class

Perhaps you are operating a site that has several administrators to help you manage your busy site. You want to be able to communicate with all of them at one time without visitors or members viewing this information. An easy way to do this is by creating a different front page by **User Class**, in this case, for Administrators. To accomplish this we must do the following:

- Log in to the administrative interface.
- Select the **Front Page** icon or select **Settings | Front Page** from the toolbar.
- In the **Set front page for** setting select the **User Class** option and then select **Admin** from the drop-down menu.
- Click the **Select** button, which will take you to a new page.
- Choose the **News** option.
- Select the **Update Front Page Settings** button.
- Select **Home** on the main menu and your front page should now look as shown in the screenshot on the next page.




e107CMS

Welcome To Your New Website

[Home](#)
[Downloads](#)
[Members](#)
[Submit News](#)
[Contact Us](#)

Welcome Admin

- >> [Admin Area](#)
- >> [Settings](#)
- >> [Profile](#)
- >> [Logout](#)

Online

Guests: 0, Members: 1 ...

Admin viewing [news.php](#)

most ever online: 2
(Members: 0, Guests: 2) on
01 Nov : 09:44

Members: 2
Newest member: [Admin](#)

Powered By





Welcome!



Fresh...

At Cuddle Care Animal Hospital, we strive to meet or exceed client expectations for animal health care, offering high quality medical choices for clients. We provide excellent patient care, promote and foster the human-animal bond, and provide public education on health issues. At Cuddle Care, we truly provide the Cuddle Care Touch.

Welcome to e107

Welcome to your new website! e107 has installed successfully and is now ready to accept content. Your administration section is , click to go there now. You will have to login using the name and password you entered during the installation process. **Support** e107 Homepage: , you will find the FAQ and documentation here. Forums:

Downloads Plugins: Themes: | Thankyou for trying e107, we hope it fulfills your website needs. (You can delete this message from your admin section.)





RSS Feeds

Our news can be syndicated by using these rss feeds.

[XML](#) [RSS 1](#)

[XML](#) [RSS 2](#)

[XML](#) [RDF](#)

Comments are turned off for this item

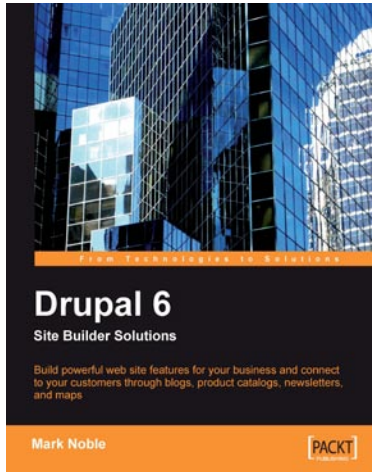
Posted by [e107](#) on Wednesday 25 October 2006 - 20:30:43

- Now log out and view the site as a visitor. You will notice in the screen below that the news has disappeared from the **Front Page**. It is still there; it is just not visible to visitors.



Summary

In this chapter we have learned about the numerous site preferences, their function, and how to use them for our website. We learned how emoticons can convey emotional intent in messages and we learned the various methods of creating our site front page. You have absorbed a lot in this chapter. Give yourself a treat by taking a break; there is still plenty more to e107 that we have yet to cover.



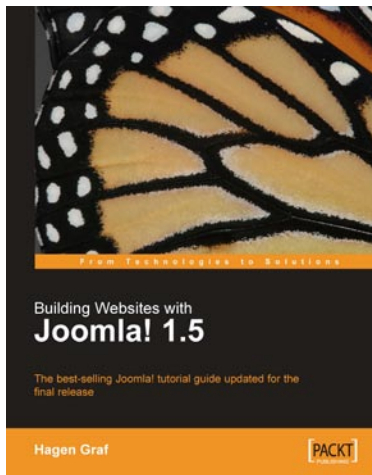
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4

Customizing the Look and Feel of Your Site

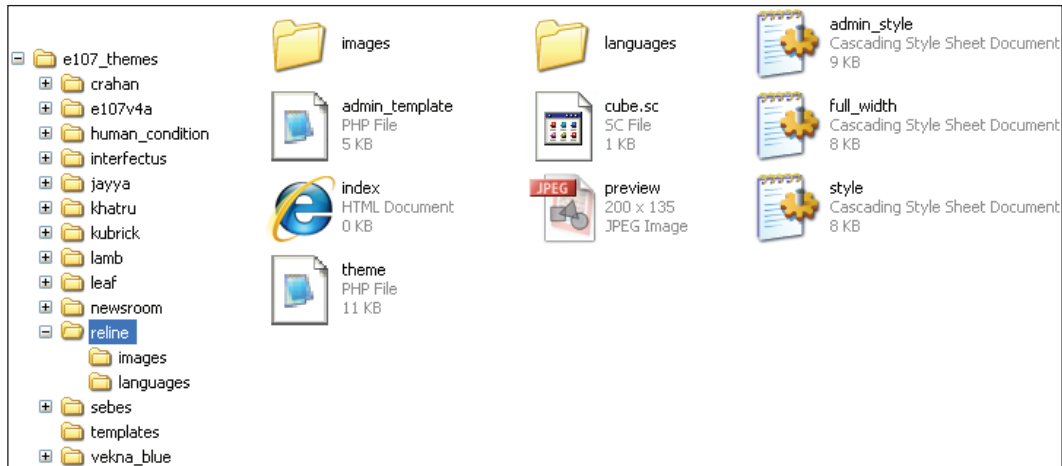
While the original theme layout may be suitable while we get our feet wet, at some point you may want to change the theme to one that is more reflective of your own needs. It is also quite possible that your site will be used by non-English speaking persons and you would want to make the site friendlier for them. As you have learned, the front end of e107 is what is viewable via a theme. In many programs these themes are referred to as templates, but in e107 they are called themes although they serve the same concept. You can change your site's appearance by modifying the existing theme, using other freely available themes, or making a customized theme. We will explore these options and also internationalizing our site in the following sections.

What is a Theme?

Back in the mid 1970s, programming code became so immense that changing even the smallest part of a piece of code could have unpredictable effects in the other areas of the program. This led to the development of a concept called **modular programming**, which essentially broke the program down into smaller more manageable junks that were called upon by the main program when needed. The term for modular programming these days is **separation of concerns or SoC**. But no matter what you call it, this is its function.

In e107 a theme contains a set of modular code containing XHTML (eXtensible HyperText Markup Language) and CSS (Cascading Style Sheets). In its most basic explanation, XHTML allows us to take a text document, create a link to other documents, and the eXtensible part of the language allows you to create your own tags describing data. Thus a program like e107 can use these tags to extract the information it needs. The data shouldn't show up on the screen like a computer

printout; CSS is employed to define the layout of the various elements and tags such that they may be viewed with consistency by all browsers. The screenshot below shows you the theme files that are available in e107 on the left, and the typical files and folders that make up a particular theme on the right.



They say a picture is worth a thousand words so I have used the PHP code that makes up the Reline theme, which is what we are using for our front end. Open up your FTP client and go to `/public_html/e107_themes/reline/`. Locate the file `theme.php` and use your FTP client's view/edit feature to open the file. As you can see, there is a fair amount of work that goes into creating a theme. If you want to design your own themes, I strongly recommend that you are thoroughly familiar with PHP, XHTML, and CSS before making the attempt.

We won't be tackling theme making in this book. We need an advanced book for that subject; however, if you have the knowledge and want to create your own theme you can find information in the WIKI at http://wiki.e107.org/?title=Creating_a_theme_from_scratch. But I wanted to show you that these themes take effort so you will appreciate those who take the time to develop themes, especially those who develop themes and share them at no charge. Remember to thank them, encourage them, and offer to send a little money if you like the theme and can use it. It is not a requirement but it encourages more development.

Understanding the Theme Layout

The first thing you can do is log in as administrator and select **Admin Area | Menus**. The screenshot on the opposite page shows the correlation between the areas displayed on the administrator's menu items control page and those on the non-administrator page.

Choose the menu(s) to activate... ...and where to activate them.

Area 2

online_extended

Function ...

powered_by

Function ...

PCMag

Function ...

Area 4

Area 5

RSS

Function ...

Hold down CTRL to select multiple menus.

[Sitedisclaimer]

Render time: 0.0318 second(s); 0.0034 of that for queries

Advanced Content Management

e107CMS

Header

Welcome To Your New Website

Search Box

Site Links

Home Downloads Members Submit News Contact Us

Area 1

Welcome Administrator

>> Admin Area

>> Settings

>> Profile

>> Logout

Online

Guests: 0, Members: 1 ...

Administrator viewing news.php

most ever online: 2

(Members: 0, Guests: 2) on 02 Jan : 06:11

Members: 2

Newest member: [Registered User](#)

Powered by

e107 Website System

php

MySQL

Area 2

Welcome to e107

Welcome to your new website!

e107 has installed successfully and is now ready to accept content.

Your administration section is [located here](#), click to go there now. You will have to login using the name and password you entered during the installation process.

Support

e107 Homepage: <http://e107.org>, you will find the FAQ and documentation here.

Forums: http://e107.org/e107_plugins/forum/forum.php

Downloads

Plugins: <http://e107coders.org>

Themes: <http://e107themes.org>

Thank you for trying e107, we hope it fulfils your website needs. (You can delete this message from your admin section.)

Comments are turned off for this item

Posted by [e107](#) on Friday 29 December 2006 - 11:22:03

Area 3

PC

"Good Reputation"

John C. Dvorak

Inside Track v25n5

PCMag 03.01.06

RSS Feeds

Our news can be syndicated by using these rss feeds.

RSS 1

RSS 2

RDF

Area 4

Front Page

This site is powered by [e107](#), which is released under the terms of the [GNU GPL License](#).

In Chapter 3 we covered the basic screen divisions in a theme (e.g. header, search, links, areas, etc.).

Psychology of Color

One of the biggest mistakes people make is to choose their theme based on their personal preferences for layout and colors. You can have the perfect layout and great material on your site and yet, people will just not like the site. So you need to ask yourself, "why do people not like my site?" or "why aren't they buying from my site?" The answer is probably that your theme uses a color that is sending out a very different message to your viewers' brains. This is a subject of protracted discussion and there are college courses on this subject. Professionally it is referred to as psychology of color. Your best bet for online information on colors is at <http://www.pantone.com>.

Selecting a Theme

Sometimes, the default theme does not quite convey the style you want for your site. While functionality is always the primary consideration, it does not mean that you have to abandon your sense of style just because you are using a CMS. There are three types of themes available for e107. These are the **core themes**, **additional themes** (located at <http://www.e107themes.org>), and **custom themes**.

Core Themes

There are several core themes within your installation of e107. Before we explore custom themes, let us look at how you select one of the existing themes:

1. Open the administrator menu by clicking the link **Admin Area**.
2. Select **Theme Manager** (bottom row, second from left).
3. Scroll down to **kubrick Version 1.0**.
4. Select the **Preview Theme** button.

Cuddle Care Animal Hospital

Veterinary Medicine with the Cuddle Care Touch

- Home
- Downloads
- Members
- Submit News
- Contact Us

Theme Preview

You are looking at a preview of the 'kubrick' theme. It has not been set as the main theme for your site, it has been activated to provide a preview of how the theme looks.
 To set this theme as your site theme, [return to your theme manager](#) and select 'Set As Site Theme'.
 To preview more themes please [click here](#).

Welcome to e107

on Monday 04 December 2006 - 14:12:26 | by [e107](#)
Welcome to your new website!
 e107 has installed successfully and is now ready to accept content.
 Your administration section is [located here](#), click to go there now. You will have to login using the name and password you entered during the installation process.

Support

e107 Homepage: <http://e107.org>, you will find the FAQ and documentation here.
 Forums: http://e107.org/e107_plugins/forum/forum.php

Downloads

Plugins: <http://e107coders.org>
 Themes: <http://e107themes.org>

Thank you for trying e107, we hope it fulfils your website needs.
 (You can delete this message from your admin section.)
 Comments are turned off for this item

Welcome Admin

- » [Admin Area](#)
- » [Settings](#)
- » [Profile](#)
- » [Logout](#)

Online

Guests: 0, Members: 1 ...
 Admin viewing [news.php](#)

most ever online: 1
 (Members: 0, Guests: 1) on 04 Dec : 14:12

Powered by





As you can see in the screenshot on the previous page, this theme would give our site a much different look. You will see a heading **Theme Preview** and then a box with information. Use the links provided instead of the back button on your browser. From here, you can preview the different themes. Do not worry, you are not actually changing anything permanently. If you want to change themes, return to the **Theme Manager**, find the theme, and then select the **Set as Site Theme** button. You will also notice a button **Set as Admin Theme**. If you do not set the admin theme, it will retain the attributes of the default administrative theme or the last administrative theme selected.



Always preview a theme before you commit to changing the theme on sites that already have a large amount of content. Changing the theme may cause information that was visible with the old theme not to be visible with the new theme.

It is always a good idea to open up two windows with one window showing the front end and the other showing the back end. That way if you commit to a new theme and it does not work for some reason, you can switch to the back-end window and change it back.

Go ahead and apply some other themes and see how they look on the screen. You will notice that you can expand some themes to fit the entire screen. When you are done, select the **kubrick** theme but this time make the selection with the **Set as Site Theme** button.

Additional Themes

If none of the core themes appeals to you, I suggest that you go to the official e107 themes development and repository site at <http://www.e107themes.org>. When I first started writing this book there were only about 9 themes at the site but as of the final edits the number of themes has grown close to 100 and I'm sure there will be even more by the time this book gets published.

Take a moment to register on the site and then you can preview and download themes and avatar packs, and also find information on developing your own themes.

The procedure for installing one of these themes is explained in the following section.

Custom Themes

Sometimes a business owner needs to establish a unique identity before the first customer gets to see the website. For those individuals using a theme that is downloadable no matter how nice it looks is just not sufficient. In such cases you will want to make a custom theme.

I would caution anyone who is considering making own theme or having a theme custom made, to ensure the following:

- The theme is coded in XHTML a minimum of 1.0, 1.1, or better the latest standard, which is version 2.0. You can learn more about XHTML at <http://www.w3schools.com/xhtml/>.
- While browser creators have made better strides to adhere to W3C standards you will still run into the occasional rendering quirk. Therefore I recommend that CSS 3.0 should be employed for the latest layout technology but certainly nothing older than version 2.0. The older the version, the greater the chance for cross-browser rendering differences. You can find out more about CSS at http://www.w3schools.com/w3c/w3c_css.asp.
- The theme is cross browser compatible i.e. with Internet Explorer, Netscape, Firefox, and Opera.
- Always check the e107 themes site <http://www.e107themes.org> for e107-specific information, updates, and cross-browser issues. (This could save you or your developer a lot of time.)



The Internet is rapidly moving away from HTML to XHTML with CSS. You will be purchasing obsolete technology if you purchase a theme where the designer uses tables for the layout. There is also a high probability that your theme will not load properly in all browsers.

For information on creating custom themes, go to the [e107.org](http://www.e107.org) website. This is where you will find design tags and information on the requirements for making a theme that e107 will recognize.

Once you have your new theme you need to add it to your `e107_themes` folder so that you will be able to select it through the administrative interface. This can be accomplished in two ways:

1. Open the administrator menu by clicking the link **Admin Area**.
2. Select **Themes Manager**.
3. Scroll down from the default theme. Right below you will see **Theme Manager :: Upload Theme**.
4. Browse to the ZIP file on your computer, and then select **Upload Theme**.

The theme is now available for selection. Sometimes the ZIP files do not work the way they should. If this should happen to you then do the following:

1. Check to make sure that the `fileupload_`.php is named `fileupload.php` and that the required file extension is contained inside.
2. If the file is zipped, unzip it creating a folder with the name of the theme.
3. Open your FTP client.
4. Find the source folder where you just unzipped your files.
5. On the web server locate the `/public_html/cuddlecare/e107_themes/`.
6. Now copy the entire folder up to the web server.
7. The theme is now available for selection through the **Themes Manager** menu.

Deleting Themes

Sometimes you know that you are never going to use a particular theme or themes for your site and having it, or those, present is just a waste of resources. To delete unwanted themes do the following:

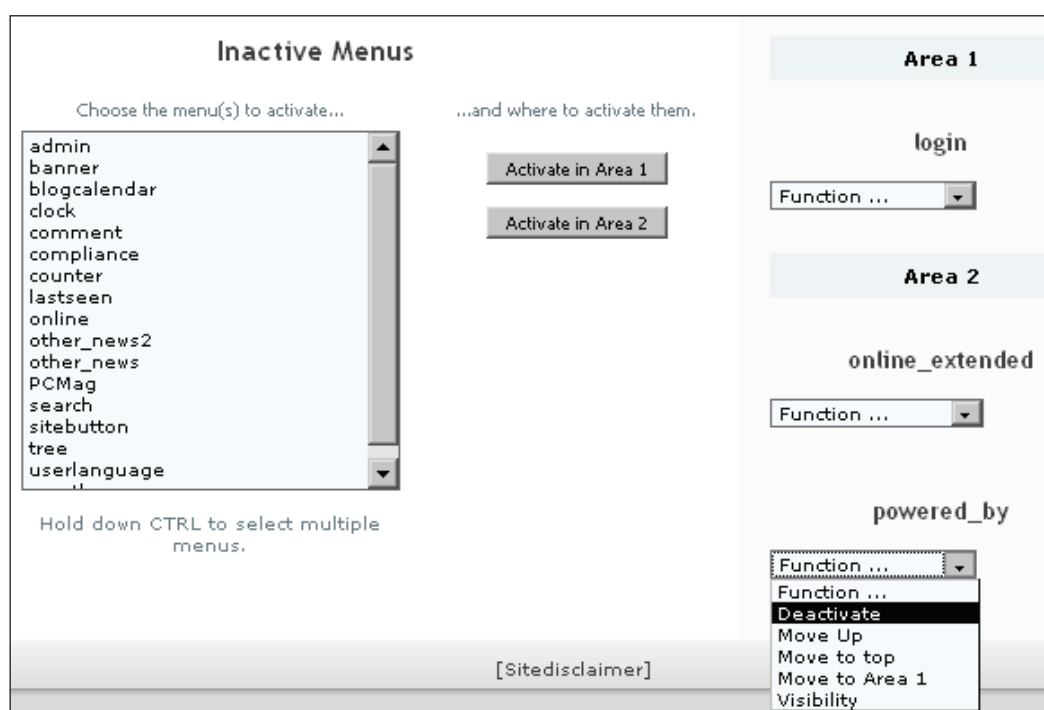
1. Open you FTP client to your server.
2. Locate the theme(s) you wish to delete at `/public_html/e107_themes/` and delete them.
3. Close your FTP client.

The next time you look at themes in the administrative interface you will only see the themes that you left on your server.

Customizing Layout

Using the control panel, we can modify the look of our site by activating or deactivating and changing the menu items. Let us change some things around on our site to demonstrate how this works.

Navigate to **Area 2** (the first screenshot under the section *Understanding the Theme Layout* labels **Area 2**) by selecting **Admin Area | Menus**. Click the drop-down menu below the heading **powered_by**. You will see a menu that looks as shown in the screenshot below. Select **Deactivate** and the item will disappear from **Area 2** and appear in the **Inactive Menu** section in the middle of your screen.

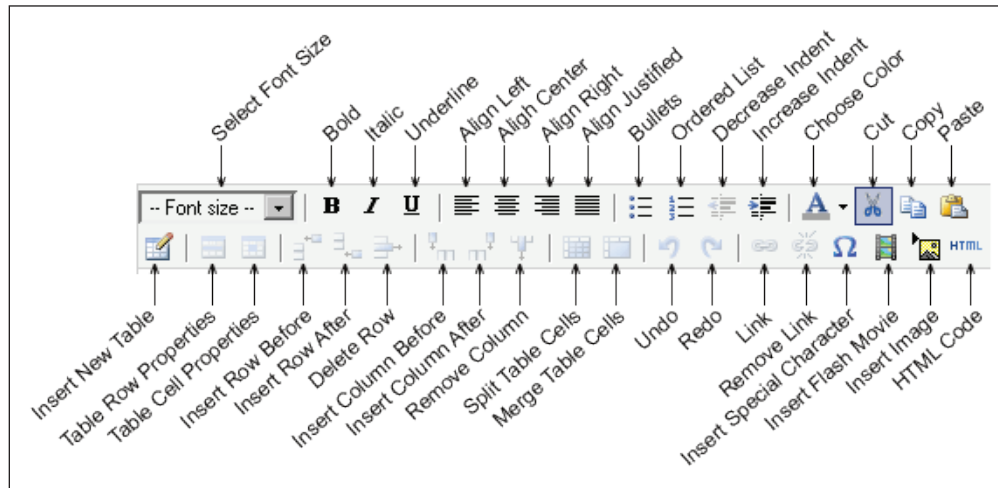


You can check your work without having to log out of the administrative interface by opening up a new instance of your browser and viewing your page as a visitor. This will save you a lot of time. Do not forget to refresh the second browser after you have made changes with the admin browser or you will not see the changes.

Now go view your page as a visitor and you will notice that the **Powered By e107, PHP and MySQL** text and graphics has disappeared.

The WYSIWYG Editor

Before we begin modifying how things are displayed on our site I would like to introduce you to the WYSIWYG (What You See Is What You Get) editor. As you remember, we activated this feature when we were setting our site preferences. It will automatically appear in those areas where it can be used. The screenshot below shows the toolbar layout and functions:



The File Upload Manager

In addition the WYSIWYG editor, another valuable time-saving tool is the File Upload Manager. Instead of opening your FTP client each time you want to upload a file (images, video clips, sound clips, documents, etc.) you can click on the **File Manger** icon located in the administrative interface.

Before you can use the file upload manager you need to enable it and also to tell it what kinds of files you want to allow to be uploaded to the server. Let's do this together:

1. On your hard drive unzip the e107 files.
2. Locate the `\e107_admin\` directory.
3. Scroll down the file list until you come to `filetypes_.php`.
4. Open the file using Notepad or similar text or PHP editor.
5. You should see the following: **zip, gz, jpg, png, gif**.

6. If you want to add any other file types enter a "," and then the file extension (for example: jpeg, swf, wmf, etc.).
7. Save the file.
8. Rename the file to `filetypes.php`. (Make sure to remove the "_" before the .php.)
9. Open your FTP client and upload this file to the `public_html/e107_admin/` directory.



Place a bookmark here as the steps above may need to be repeated when you update e107. If you do not perform the steps above and you use the File Upload Manager you will get an error message that says:

The filetype image/png (or substitute png with zip, gz, jpg, gif, etc.) is not allowed and has been deleted.

If you search in the forums at <http://www.e107.org> on that error message you will see hundreds of requests for how to correct this problem.

If you added the file type and changed the name of the file to `filetype.php` and still get an error message, it is most likely to be a server configuration problem. If you are on a shared server probably there will not be much you can do about it as most hosts will not change their configurations for just one person. That doesn't mean you can't ask.

If you can't upload using the file upload manager then you can still open up your FTP client and upload your graphic to the appropriate location.

Creating Menu Items Using the Custom Page/Menu Tool

We are now going to add a small photo of the pet of the month. Use a photo of your pet or any pet. I just happened to have a photo that I took of a frisky little pup, down in Key West. You may use an image of any pet your wish and perform the following steps.

1. Locate the image called `pom.png` from the images files in the code download for this book. If you want to substitute your own pet photo, resize your photo to a width of 90 pixels wide and no more than 90 pixels in height. Save the file as `pom.png`.

2. Upload your graphic file to the server using one of the following two methods:
 - Select **Create Menu** by navigating to **Custom Menus / Pages** and then use the **Upload Images** feature located at the bottom of the page.
 - Open your FTP client and upload the `pom.png` file to the directory `/public_html/e107_images/custom/`.
3. Return to the main administrative interface and select the **Custom Menus / Pages** (second row on the left).
4. On the right side of the screen, select the **Create menu** option.
5. Key in **Pet of the Month** for the **Menu Name** and **Title / Caption**.
6. Now position the cursor in the text box and use the **Insert Image** icon located on the second line of the WYSIWYG editor just to the left of the **HTML** icon. When the **Insert / Edit Image** pop-up menu appears, use the **Library** drop-down menu and select **Custom Images**. Next select the `pom.png` file, set **Text flow** to **Left**, and select **Save**.
7. Now select the **Create menu** at the bottom of the screen (see screenshot below).

The screenshot shows a web administration interface for creating a new menu. The main form is titled "Create new menu" and contains the following elements:

- Menu Name:** A text input field containing "Pet of the Month".
- Title / Caption:** A text input field containing "Pet of the Month".
- Text:** A large text area with a WYSIWYG editor toolbar. The toolbar includes options for font size, bold, italic, underline, list, link, unlink, and image insertion. An image of a dog is inserted into the text area.
- Create Menu:** A button at the bottom of the form.

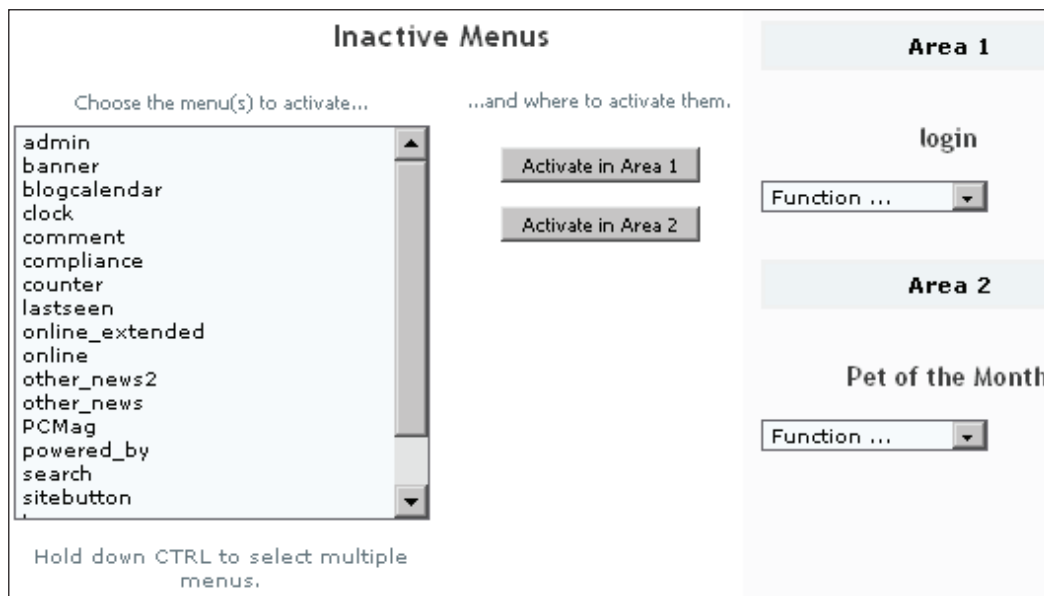
On the right side of the interface is a sidebar titled "Page Options" with the following links:

- Front page
- Create page
- Create menu
- Options

You can activate this in **Area 2** in the following manner:

1. Select **Main** from the top menu.
2. Select **Menus**.
3. Locate the **online_extended** in **Area 2**. From the drop-down list select **Deactivate**.
4. Locate and select **Pet of the Month**, which will now be in the list in the middle of your screen.
5. Select the **Activate in Area 2** button.

Your screen should look as shown in the screenshot below:



After you have completed the above steps, select **Home** from the top menu and your front page should now look as shown in the screenshot below:

Cuddle Care Animal Hospital

Veterinary Medicine with the Cuddle Care Touch

- Home
- Downloads
- Members
- Submit News
- Contact Us

Welcome



At Cuddle Care Animal Hospital, we strive to meet or exceed client expectations for animal health care, offering high quality medical choices for clients. We provide excellent patient care, promote and foster the human-animal bond, and provide public education on health issues. At Cuddle Care we truly provide the Cuddle Care Touch.

Welcome to e107

on Monday 04 December 2006 - 14:12:23 | by [e107](#)

Welcome to your new website!

e107 has installed successfully and is now ready to accept content. Your administration section is [located here](#), click to go there now. You will have to login using the name and password you entered during the installation process.

Support

e107 Homepage: <http://e107.org>, you will find the FAQ and documentation here.

Forums: http://e107.org/e107_plugins/forum/forum.php

Downloads

Plugins: <http://e107coders.org>

Themes: <http://e107themes.org>

Thank you for trying e107, we hope it fulfils your website needs.
(You can delete this message from your admin section.)

Comments are turned off for this item

Welcome Admin

- » [Admin Area](#)
- » [Settings](#)
- » [Profile](#)
- » [Logout](#)

Pet of the Month



Copyright © 2007 Cuddle Care Animal Hospital
This site is powered by [e107](#), which is released under the terms of the [GNU GPL License](#).

Deleting a Custom Menu Item

A custom menu item can be deleted easily. We know that we are not going to be using **Pet of the Month** on our Cuddle Care website and want to delete it.

1. Select the **Custom Menus/Pages** icon.
2. Locate the **Pet of the Month** item which is ID Number **1** and delete it.

This deletes the menu item but does not delete the image file. The image file can be deleted in the following manner:

1. Open your FTP client.
2. Locate the `/public_html/e107_images/` directory.
3. Delete the `pom.png` file.

Changing Views by Membership Level

Say you want only registered members to see the blog calendar but you want any visitor to the site to see the clock. We can do this using the following procedure:

1. Select **Menus** icon from the administrative interface.
2. Select **blogcalendar** from the **Inactive Menus** and select **Activate in Area 2**.
3. Use the **blogcalendar** drop-down menu and select the **Move to top** option.
4. Use the same drop-down menu and select **Visibility**.
5. In the **Only visible to** drop-down box choose the option **Members** (see the screenshot on the next page).
6. Next select **clock** from the **Inactive Menus** and select **Activate in Area 2**.
7. Use the **clock** drop-down menu and select the **Move to top** option.
8. Use the same drop-down menu and select **Visibility**.
9. In the **Only visible to** drop-down box choose the **Guests** option (see the screenshot on the next page).



You will notice that you have the option to display specific menu items on all pages, or certain pages. Enter one page per line; enter enough of the URL to distinguish it properly. If you need the ending of the URL to match exactly, use an **!** at the end of the page name
For example: `page.php?1!`

Configure visibility options for blogcalendar_menu

Only visible to:

☐ This menu will only be **SHOWN** on the following pages
☐ This menu will only be **HIDDEN** on the following pages

Enter one page per line, enter enough of the url to distinguish it properly. If you need the ending of the url to match exactly, use a ! at the end of the page name
For example: **page.php?!!**

Save visibility options

10. Now log out as administrator and you will see the front page with the clock just above the **Pet of the Month** as shown in the screenshot below.

Cuddle Care Animal Hospital

Professional Care with that Cuddle Care Touch

[Home](#) [Downloads](#) [Members](#) [Submit News](#) [Contact Us](#)

Welcome!



Fresh...

At Cuddle Care Animal Hospital, we strive to meet or exceed client expectations for animal health care, offering high quality medical choices for clients. We provide excellent patient care, promote and foster the human-animal bond, and provide public education on health issues. At Cuddle Care we truly provide the Cuddle Care Touch.

Welcome

☒ Remember me
[\[Signup \]](#)
[\[Forgot password? \]](#)
[\[Resend Activation Email \]](#)

Date / Time

Tuesday, 2 January 2007 21:50

Pet of the Month



To see the blog calendar, use the username and password that you created for a registered user, back in Chapter 3. Once you log in, you will see the front page with the blog calendar just above the **Pet of the Month** but you will not see the clock, as shown in the screenshot below:

Cuddle Care Animal Hospital

Professional Care with that Cuddle Care Touch

- Home
- Downloads
- Members
- Submit News
- Contact Us

Welcome!



At Cuddle Care Animal Hospital, we strive to meet or exceed client expectations for animal health care, offering high quality medical choices for clients. We provide excellent patient care, promote and foster the human-animal bond, and provide public education on health issues. At Cuddle Care we truly provide the Cuddle Care Touch.

Welcome Registered User

- » [Settings](#)
- » [Profile](#)
- » [Logout](#)

News for 2007

January

Mo	Tu	We	Th	Fr	Sa	Su
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

[Archive](#)

Pet of the Month

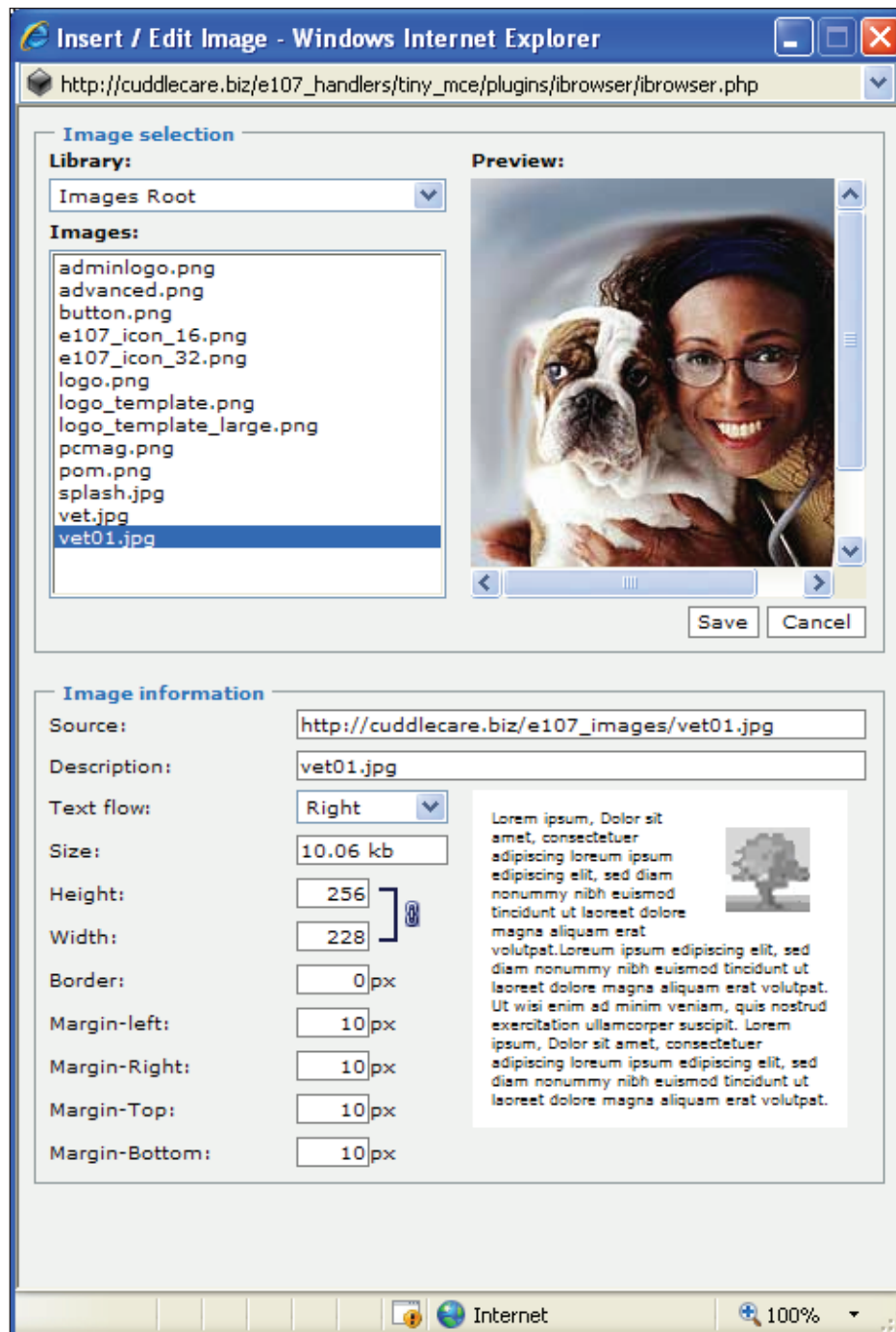


We can create custom menus as well as a multitude of other items easily. Consider the **PC Magazine** as one of your product to be sold online. Say you joined an affiliate program and made a commission from every sale of a **PC Magazine** from your site. You could edit the menu item to include a URL so that when someone clicked on the **PC Magazine** image a new window would open up and go to the specified web page.

Customizing Our Site

Finally we are going to change the appearance of the site to make it look more like a veterinary site. Before we start we have some housekeeping to do from our previous chapter. From the administrative interface do the following:

1. Select the **News** icon.
2. For **ID 1 Welcome to e107** select the **edit** icon.
3. Scroll down to **Visibility** and select the **No One (Inactive)** checkbox that appears on clicking the description **Choose which visitors will see news item**.
4. Go to <http://www.connetek.com>, register, and download the `e107_images.zip` file. It will contain all the graphics we will be using for our web project.
5. Unzip the `images.zip` file to your hard drive.
6. Upload the graphic `vet01.jpg` to the `/public_html/e107_images/` directory using either the File Upload Manger or your FTP client.
7. From the administrator menu of **e107**, click on the **Welcome Message** icon.
8. Select **ID 2 Welcome** (the welcome message we created previously).
9. Position the cursor right before the first letter of the paragraph and select the **Insert/Edit Images** icon from the toolbar.
 - Select `vet01.jpg` (or `.png` or `.gif`)
 - Set **Text Flow** to **Right**
 - **Margin-Left**: 10
 - **Margin-Right**: 10
 - **Margin-Top**: 10
 - **Margin Bottom**: 10



10. Located just under the graphic is the **Save/Cancel** buttons. Select **Save**.
11. Now select **Home** from the top menu and your page should look as shown below:



Wait a minute. Something doesn't look right here. The information is all there but my eight year old could design a better looking front page. Ok, I just wanted to show you how things don't always work out the same. Had we replaced the graphic with one as large as the original, it would have worked but we didn't need that big graphic; however, this one will never do, so let's fix this page.

1. Return to the administrative interface.
2. Select **Front Page**.
3. Open the **Welcome to Cuddle Care** message.
4. Click the **Edit** icon.
5. Delete the **Welcome** in the message caption.
6. Move down to the message text and position the cursor before the word "At ...".

7. Type **Welcome to Cuddle Care** and hit the return key twice.
8. Select the text **Welcome to Cuddle Care** before the **Welcome** and while keeping the button depressed, drag the cursor to the right of the **Care**.
9. Release your finger from the left mouse button.
10. Now position the cursor over the highlighted text and select **4 (14pt)** for the text size.
11. Position the cursor at the end of the first sentence and press the return key twice.
12. Then position the cursor at the end of the second sentence and press the return key twice.
13. Leave **Visibility** set to **Everyone**.
14. Click the **Update** button.

Your page should now look as shown in the screenshot below:



You will note that you are still logged in as the administrator in the previous screenshot. If you log out, the **Welcome Admin** menu will be replaced with the **login menu**.

Internationalization—Using a Custom Language File

The beauty of the Internet is that it gives you an opportunity to reach customers who speak other languages. While core language files do not translate the text of your site, the language packs do contain the necessary character sets for most languages and, if properly installed, will allow your visitors to select an installed language that will allow them to navigate the site in a familiar language.

It is very easy to make e107 multilingual for your users. Cuddle Care has a fair number of clients who speak Spanish so we are going to enable the user to select Spanish to navigate the site. To do this we must first download the language file that we need as follows:

1. Go to http://e107.cvs.sourceforge.net/e107/e107_langpacks/zipped_langpacks_utf-8/.
2. Locate the most recent file that starts with **e107_0.7.x Spanish_UTF** (here x denotes the most recent version).
3. Locate **Links to HEAD** and click on **download**.
4. Save the file to your computer.
5. Unzip the file.
6. Log on to your FTP client.
7. Upload each of the folders (e107_docs, e107_handlers, e107_languages, e107_plugins, and e107_themes) in the unzipped files to your e107 root installation /public_html/cuddlecare/.



Make sure to set your FTP client so that it only overwrites files that are newer than the ones on the web server when uploading e107 files.

Now we are going to create a small PHP file. Freeze! Don't run away if you have never written PHP code. I promise that this is a painless procedure as long as you copy the code just as it appears below. Let us walk through it step by step.

Open up Notepad or a similar text editor. (Do not use a word processing program or WordPad as these programs may add extra characters that will contaminate the code.)

Enter the following text:

```
<?php
define("LAN_MYUSERCLASS","Mi Userclass");
?>
```

Save this with the file name `Spanish_custom.php`.

Congratulations! If you have never done so before then you have just created your first bit of PHP coding.

Open a new Notepad and enter the following text:

```
<?php
define("LAN_MYUSERCLASS","My Userclass");
?>
```

Save this with the file name `English_custom.php`

Now that we have our files, it is time to upload them to the server in the following manner:

1. Locate the directory
 `/public_html/cuddlecare/e107_languages/Spanish/`.
2. Upload the file `Spanish_custom.php`.
3. Locate the directory `/public_html/cuddlecare/e107_languages/`.
4. Upload the file `English_custom.php`.
5. Log off from the FTP client.

Now we have to instruct e107 what multilingual database usage we want to set up:

1. Navigate to administrative interface.
2. Click on **Language**.
3. Check the checkbox labeled **Enable Multi-Language Tables** as shown below:

The screenshot shows the e107 website system administrative interface. At the top, it says "e107 website system [admin area]" and "Logged in: Tad (main site administrator) Language: default". There are links for "Home Downloads Members Submit News Contact Us". Below this is a navigation bar with icons for Main, Settings, Users, Content, Tools, Plugins, and Docs, along with "Leave Admin" and "Logout" buttons. The main content area is titled "Language" and contains three sections: "Select Language", "Language Preferences", and "Language". The "Select Language" section shows "English" selected with a "Set Language" button. The "Language Preferences" section has a table with the following rows: "Default Site Language:" with a dropdown set to "English"; "Enable Multi-Language Tables:" with a checked checkbox; and "Use Parked Subdomains to set Language:" with a text input field containing "www.". A "Save" button is at the bottom of the table. The "Language" section on the right has a "Preferences" link and a "Tools" link.

Default Site Language:		English
Enable Multi-Language Tables:		☒
Use Parked Subdomains to set Language: e.g. fr.mydomain.com to set the language to French. Enter the main domain name to enable. e.g. mydomain.com		www.
Save		

4. From the menu on the right side of your screen select **Tables**.
5. For Spanish click on the button that says **Create** under the **Options** column.
6. Select all the checkboxes except the following ones (see the screenshot on the next page):
 - **Menus**
 - **Drop existing tables?**
 - **Confirm delete**

7. Click on the **Create tables/Update** button.

The screenshot shows the e107 website system admin interface. At the top, it says "[e107 website system] [admin area]" and "Logged in: Tad (main site administrator) Language: default". There are navigation links: Home, Downloads, Members, Submit News, Contact Us. Below this is a menu bar with icons for Main, Settings, Users, Content, Tools, Plugins, and Docs. On the right, there are links for Leave Admin and Logout.

The main content area is titled "Select Language" and "Spanish". It shows a list of language options with checkboxes:

Language	Selected
English	☒
Spanish	☒
Download	☒
Download category	☒
Download mirror	☒
Download requests	☒
Generic	☒
Headlines	☒
Links	☒
Menus	☐
News	☒
News category	☒
Page	☒
Preset	☒
Submitnews	☒
User extended struct	☒

Below the table, there are two sections:

Drop existing tables? ☐ Replace existing tables (data will be lost).

Confirm delete ☐ Delete unchecked tables above (if they exist).

At the bottom of the table list, there is a button: **Create tables / Update**.

On the left side, there is a "Language Help" section with the text: "Setting a new language will allow you to have a version of your content in that language on your site."

At the bottom of the page, it says: "This site is powered by e107, which is released under the terms of the GNU GPL License." and there is a "Credits" button.

8. Return to the administrative interface.

9. Select **Menus**.

10. Select **userlanguage** from **Inactive Menus** and press the **Activate in Area 1** button.

11. Now use the drop-down menu for **userlanguage** and select **Move Up**.
12. Now select **Home** from the main menu and you should see the **Select Language** menu on the right side of the screen just under the header. It should display a drop-down menu with both **English** and **Spanish** options as shown in the screenshot below:



Now we have to make our language selection menu available for visitors and members in the following manner:

1. Open the administrative interface.
2. Select **User Classes** (see the screenshot below).
3. In the **Class Name** text box key in **LAN_MYUSERCLASS**.
4. Select the **Create New Class** button.
5. Return to the administrative interface.

The screenshot shows the e107 website system administrative interface. At the top, it indicates the user is logged in as 'Tad (main site administrator)' with the language set to 'default'. Below this is a navigation bar with links for Home, Downloads, Members, Submit News, and Contact Us. The main menu includes Main, Settings, Users, Content, Tools, Plugins, and Docs. The 'Users' section is active, showing 'User Class Settings'. On the left, there is a 'Select Language' section with 'English' selected and a 'Set Language' button. Below this is a 'Use Class Help' section with instructions on creating or editing classes. The main area contains a table with 'Existing Classes' (LAN_MYUSERCLASS) and buttons for 'Edit' and 'Delete'. Below the table are input fields for 'Class Name', 'Class Description', and 'Who can manage class' (set to 'Admin'). A 'Create New Class' button is at the bottom.

Log out as administrator and view your front page. You will now see that the language selection is in the upper left corner just above the log on. Just as an experiment, select **Spanish** and select **Set Language**. Your screen should look as shown in the screenshot on the next page.

Cuddle Care Animal Hospital

Veterinary Medicine with the Cuddle Care Touch

[Home](#)[Downloads](#)[Members](#)[Submit News](#)[Contact Us](#)

Welcome to Cuddle Care

At Cuddle Care Animal Hospital, we strive to meet or exceed client expectations for animal health care, offering high quality medical choices for clients.

We provide excellent patient care, promote and foster the human-animal bond, and provide public education on health issues.

At Cuddle Care we truly provide the Cuddle Care Touch.

No hay noticias en este momento - por favor vuelva más tarde.



Seleccione Idioma

Spanish

Elegir Idioma

Bienvenido

Usuario:

Contraseña:

Entrar

☐ Recordarme

[\[Registro \]](#)
[\[¿Olvidó su contraseña? \]](#)
[\[Re-Enviar activación Email \]](#)

Pet of the Month



To change the language back to English, just select **English** and click on the **Elegir Idioma** button. Congratulations! You now know how to make the navigation of your site multilingual.

Summary

In this chapter we have learned the correlation between the administrative interface and the front page and the various methods of adding information to our website. We explored how making changes in the method used to display that information changes how the information is displayed on our front page. We also learned how to create custom menu items, activate them, move and deactivate others, and learned about the text editor and file uploads manager and how to use them. We made our site multilingual to make it easier for people of other nationalities to navigate our site more easily. And for some of us, we wrote our first piece of PHP code.



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5

Customizing Your Site for e-Commerce with Plugins

We have only been using a fraction of the power of e107 until now. If you were using e107 for a personal site or a small hobby site, then you would have completed your site except for adding some text and images to it. However, with version 0.7.x (where x is the latest version), we now have the tools to make e107 a powerful open-source CMS for e-commerce. In this chapter, we will work with setting up a shopping cart, banner advertisements, and a frequently asked questions section.

Introduction to Plugins

There are two types of plugins that are available for use with e107. There are the **core** aka certified plugins and **non-core** plugins. The biggest difference between the two types is that core plugins are created by members of the development team and as such are packaged with e107. Non-core plugins are created by other developers who found a need, developed the plugin, and then uploaded it for others to use. This is one of the greatest assets of open-source software.

While neither set of plugins is free from the occasional bug, I would always use the core plugin when available, only for the reason that the development team is more intimate with the core code and with upcoming changes to that code.

The site for all e107 plugins is at <http://www.e107coders.org>. This is the official repository; however, I would caution you to go to the developer's website before downloading and installing non-core plugins, as often developers are not quick to post updates to the <http://www.e107coders.org> site.

How to Install Plugins

Before we go into installing specific plugins, let's cover the general methods for installing and uninstalling both core and non-core plugins. This is primarily done so that you do not have to read through the entire chapter to refresh your memory later when you have worked with e107 and just need a quick reference.

Core Plugin Installation

This is the easiest type of plugin to install because it is a part of the e107 core package and it is contained within your e107 installation. To install a core plugin you perform the following procedures:

1. Log in as administrator.
2. From the administrator interface select **Plugin Manager** at the bottom of the screen.
3. A page will be displayed; select the plugin that you wish to install by clicking on the **Install** button to the right of each listing. (See the screenshot on the next page.)
4. When you have selected, the plugin will move to the top of the screen in the **Installed** section with a small green box to the left of the plugin name.
5. That completes a core plugin installation.

Plugin Information

Upload plugin (.zip or .tar.gz format)

Installed

Not installed

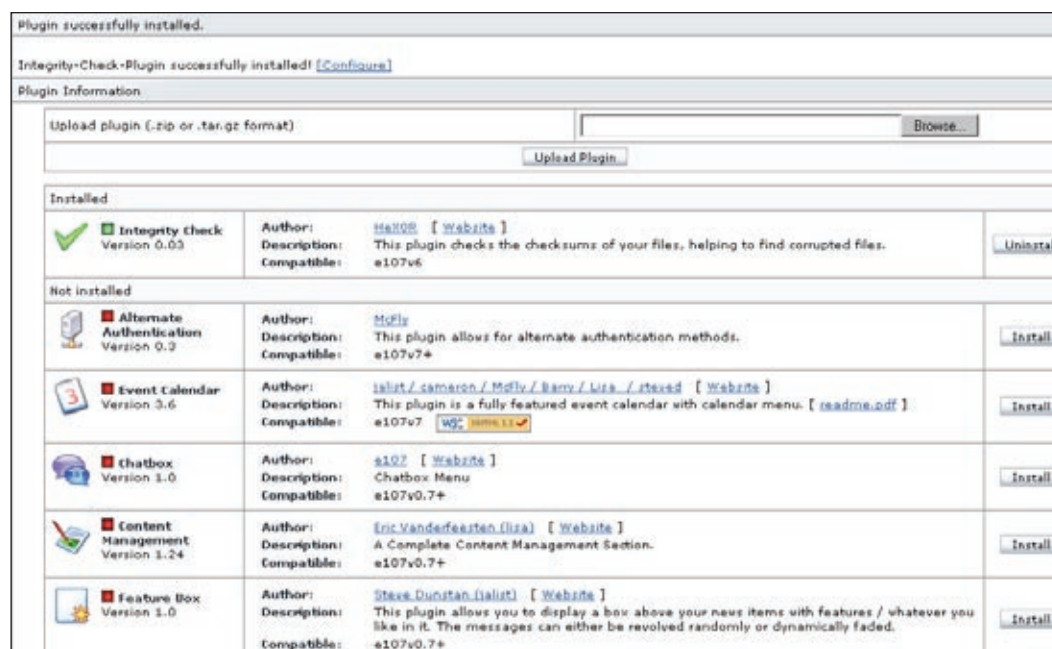
 Alternate Authentication Version 0.3	Author: McFly Description: This plugin allows for alternate authentication methods. Compatible: e107v7+	Install
 Event Calendar Version 3.6	Author: ialist / cameron / McFly / Barry / Lisa / stayed [Website] Description: This plugin is a fully featured event calendar with calendar menu. [readme.pdf] Compatible: e107v7 	Install
 Chatbox Version 1.0	Author: e107 [Website] Description: Chatbox Menu Compatible: e107v0.7+	Install
 Content Management Version 1.24	Author: Eric Vanderfaestten (Bira) [Website] Description: A Complete Content Management Section. Compatible: e107v0.7+	Install
 Feature Box Version 1.0	Author: Steve Dunstan (ialist) [Website] Description: This plugin allows you to display a box above your news items with features / whatever you like in it. The messages can either be revolved randomly or dynamically faded. Compatible: e107v0.7+	Install
 Forum Version 1.2	Author: e107dev [Website] Description: This plugin is a fully featured Forum system. Compatible: e107v0.7+	Install
 Google Sitemap Version 1.0	Author: cameron / ialist [Website] Description: Google Sitemap. For more information on the Google Sitemap protocol, go to http://www.google.com/webmasters/sitemaps/docs/en/protocol.html Compatible: e107 v0.7	Install
 Integrity Check Version 0.03	Author: HeX08 [Website] Description: This plugin checks the checksums of your files, helping to find corrupted files. Compatible: e107v6	Install
 Links Page Version 1.12	Author: e107devs [Website] Description: Links Page For Displaying External Web Links Compatible: e107v0.7+	Install
 Linkwords Version 1.0	Author: ialist [Website] Description: This plugin will link specified words with a defined link Compatible: e107v7+	Install
 List Version 1.0	Author: Eric Vanderfaestten (Bira) [Website] Description: This plugin allows you to view a list of recent additions in all e107 categories. You can either view the list with data since your last visit, or view a general latest additions list. Besides the page a menu is also present. Every section is configurable in the admin area. Compatible: e107v0.7+	Install

Installing a Non-Core Plugin

The first thing you need to do is to go to <http://www.e107coders.org> and look over the plugins that are available. Once you have found the one you like, do the following:

1. Download the plugin to your hard drive.
2. Unzip the file.
3. Open your FTP client.
4. Locate the /public_html/e107_plugins/ folder.
5. Upload the unzipped folder to the /public_html/e107_plugins/ folder.

6. Log in as administrator.
7. From the administrative interface select **Plugin Manager** at the bottom of the screen.
8. A page with plugins will be displayed; select a plugin that you wish to install by clicking on the **Install** button to the right of each listing. (See the screenshot below.)
9. When you have selected, the plugin will move to the top of the screen in the installed plugins with a small green box to the left of the plugin name.
10. That completes a non-core plugin installation.



Plugin Manager Upload Plugin Option

The reason we used the procedure for uploading a non-core plugin instead of just using this handy little "browse and install feature" is that often the feature doesn't work properly. Now don't go blaming the development team, as they are trying to find a solution. The problem seems to be similar to trying to develop a flu vaccination. There are many reasons that cause mixed results with this feature. It could be that the developer didn't zip the package properly but most of the time is that there are multiple ways of configuring a server and unless you have a host that specializes in e107 hosting the only sure way is to download, unzip, ftp, select, and install. However, you can try using the upload feature by browsing to the ZIP file,

select the uploaded plugin. If the server is configured to be e107 friendly then you will see your plugin appear in the list of plugins. If not, you will get a message that says:

That file does not appear to be a valid .zip or .tar archive.

If you see that message then just follow the procedure as explained above.

Uninstalling a Plugin

If you don't need a plugin, you should uninstall it. It is a good practice to keep your system as clean as possible to avoid unnecessary slowness. To uninstall a plugin you need to go to the **Plugin Manager** interface and do the following:

1. Locate the plugin from the **Installed** plugins section.
2. Select the **Uninstall** button.
3. The next page that appears is the uninstall interface as shown in the screenshot below. Here you will have two options:
 - **Delete plugin tables:** This will remove the plugin tables from the server.
 - **Delete plugin files:** This will remove the plugin from the server.

Uninstall: Integrity Check	
Please select the option for uninstalling the plugin: Integrity Check	
Uninstall plugin	Yes
Delete plugin tables If the tables are not removed, the plugin can be reinstalled with no data loss. The creation of tables during the reinstall will fail. Tables will have to be manually deleted to remove.	Yes ▾
Delete plugin files e107 will attempt to remove all plugin related files.	No ▾
Confirm uninstall Cancel uninstall	

4. Generally, you can keep the default settings and then select **Confirm uninstall**.
5. Return to the administrative interface.
6. Select **Database**.

7. Select **Optimize SQL database**.

Database Utilities	
Click button to check for any available db updates	Check for Updates
Click button to check validity of e107 database	Check database validity
Click button to optimize your e107 database	Optimize SQL database
Click button to scan plugin directories for changes	Scan plugin directories
Click button to open the preferences editor (for advanced users only)	Preferences Editor
Click button to backup your core settings	Backup core

Banner Plugin

The banner plugin is part of the core plugins so you do not need to go further than the administrative interface to find it. It is always active, even if you are not presently using the feature.

There are several ways to advertise with banners on your site. One of the things I have disliked about some books is that they tell you how to do the obvious but leave out the information that might be more useful. Keeping that in mind, we will cover how to use the banner plugin but, since we are using a theme that does not have a banner included, we are going to begin this section with a quick lesson on code modification.

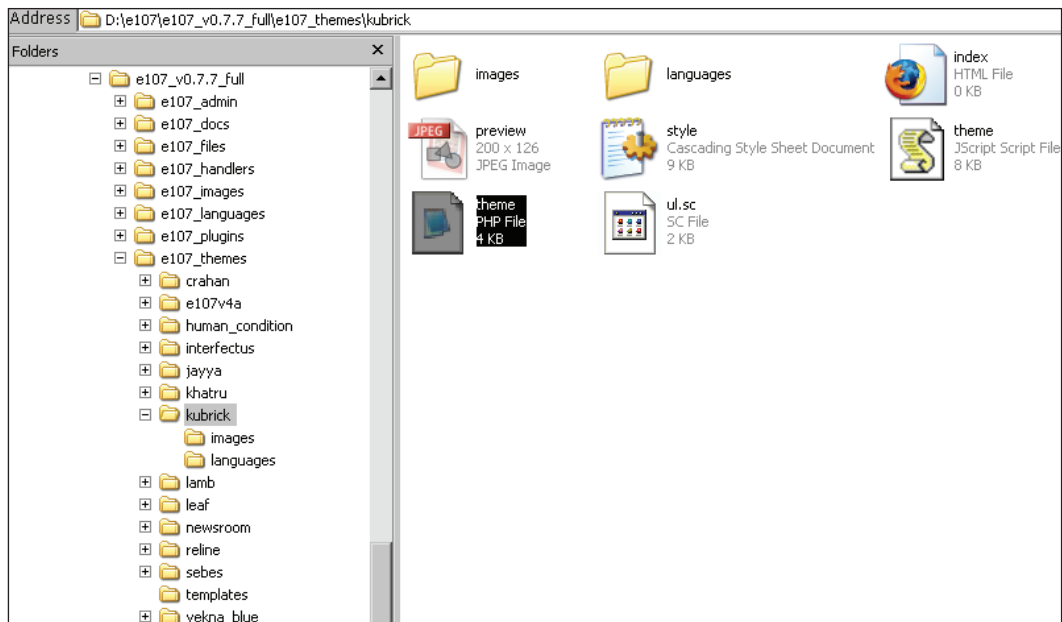
Adding the Banner Shortcode to a Theme

For our veterinarian site, the **Kubrick** theme is perfect except that it does not have a banner. Fortunately e107 has made it easy for us to add a banner. We accomplish this by adding what is known as a **shortcode**. For those who may have done merge letters in word processing programs a shortcode is similar to a merge code. For those of you who do not know what any of this means, a shortcode is a small instruction that tells the program to insert specific information from the database or to run a specific script and place the information in the area of the theme where the shortcode is located.

In e107 shortcodes are enclosed in brackets and capitalized. Thus the shortcode for banner is {BANNER}.

We want to add a banner to the bottom of our website and in order to do this we must add the {BANNER} tag to our theme. Let's do this together:

1. Move to the location where you have placed the e107 files during installation.
2. Locate the `theme.php` file in the Kubrick folder under `e107_themes` (see the screenshot on the next page):



3. Right-click on the `theme.php` file and selecting **Open** will open the file in Notepad.
4. Scroll down and you will see the beauty of CSS. Each section is clearly marked such as `$HEADER`, `$FOOTER`, etc. The section we are looking for is `$FOOTER` (as shown below):

```
// [layout]

$layout = "_default";

$HEADER = "<div id='page'>
<div id='header'>
<h1><a href='\".SITEURL.\"' title='{SITENAME}'>{SITENAME}</a></h1>
<h2>{SITETAG}</h2>
{UL}
</div>
<div id='content' class='narrowcolumn'>";

$FOOTER = "
</div>
<div id='sidebar'>
{MENU=1}
{MENU=2}
</div>
```

```
<hr />
<div id='footer'>
<p>{SITEDISCLAIMER}<br />{THEMEDISCLAIMER}
</p>
</div>
</div>
";

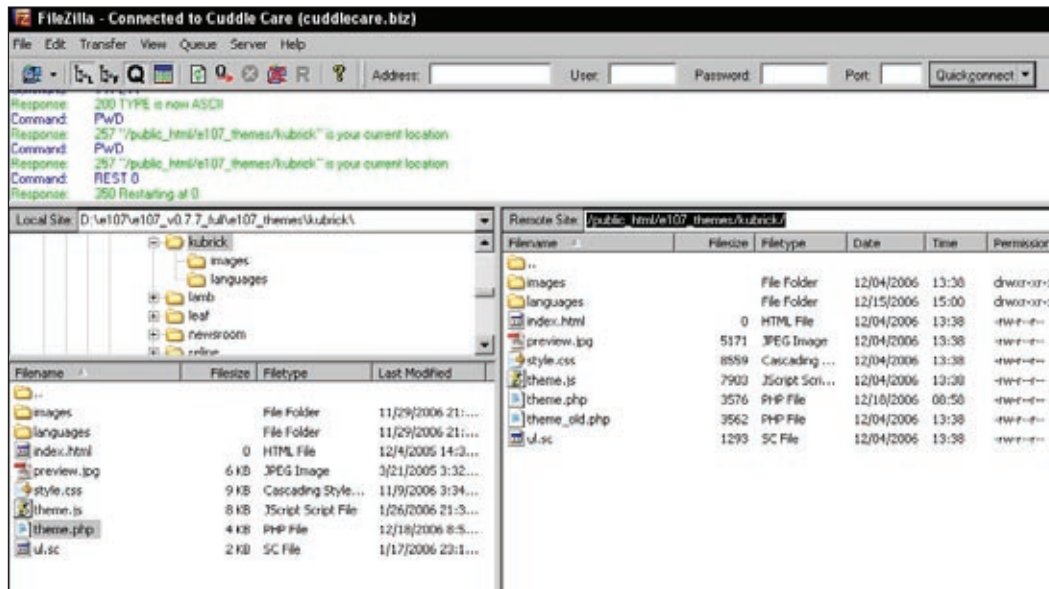
$CUSTOMHEADER = "<div id='page2'>
<div id='header'>
<h1><a href='\".SITEURL.\"' title='{SITENAME}'>{SITENAME}</a></h1>
<h2>{SITETAG}</h2>
{UL}
</div>
<div id='content' class='widecolumn'>";
```

5. Position your cursor between the <p> tag and the {SITEDISCLAIMER} shortcode and key in {BANNER}
 to give the following:

```
$FOOTER = "
</div>
<div id='sidebar'>
{MENU=1}
{MENU=2}
</div>
<hr />
<div id='footer'>
<p>{BANNER}<br/>
{SITEDISCLAIMER}<br />{THEMEDISCLAIMER}
</p>
</div>
</div>
";
```

6. Save the file as theme.php overwriting the existing file.

7. Open your FTP client and connect to
/public_html/e107_themes/kubrick/.
8. On the server rename your theme.php file to theme_old.php
(see screenshot below).



9. Now upload your new theme.php file to the server.
10. Open up your browser and view your website front page. You should now see the banner holder at the bottom of the page (see the screenshot on the next page).

11. Now close your FTP client.



Creating a Banner Ad Campaign

Now that our banner marker is in place, we need to replace the generic e107 banners with the banners we wish to display on the site. This is done by creating a banner ad campaign. The banners you need are contained within the `e107_images.rar` file that you should have downloaded in Chapter 4 from <http://packt.connetek.com>.



If you would like to learn how to make your own banners, open up your browser and search on *How to make a banner*. You will find plenty of instructions and primers.

You can make the graphic a `.gif`, `.jpg`, or `.png` file.

We are going to be using a standard size horizontal banner which is 468 x 60 pixels. After you have unzipped images file that you retrieved from <http://packt.connetek.com> do the following:

1. Locate the `pet911_01.gif` and `vcbanner.gif` files.
2. Upload them to the server using either:
 - The File Manager utility: This will upload to the `images` or `banners` folder.
 - The FTP client: This will upload to the `e107_images | banners |` folder.
3. The next step may seem a bit strange; however, once you realize that banners are the same as ads or commercials you will come to know that people seem to prefer banner over ads or commercials. You may have a site that draws lots of traffic and want to capitalize on this by selling banner advertising. The banner plugin gives you the option to not only sell banner space for a specific amount of time but also by the number of times a banner has been clicked on (selected) by the viewer. Before we can activate our new banner, we must first create a banner campaign. Now there you go again running for the door. Take a deep breath, relax, and we will walk through this together:
 - If you are not already online, log in, navigate to the administrative interface, and select **Banners**. On the next screen, you will see three sample banner campaigns and a small menu on the right side of the screen; select **create new banner**.
 - On the next screen where it says **Campaign**, go to the right of the drop-down menu, as we want to create a new campaign. Type in `pet911_one`.

- For the **Client**, go to the right of the drop-down menu, and key in `Pets911`.
- We are going to skip login and password as we are the client but if you wanted to grant access to your advertising client to change their banners or campaigns you would assign a username and password for them.
- Select the **Choose banner image** button and you will see all the available banners on the server. Select the banner that you just uploaded by ticking the circle box to the left of the banner.
- Now you need to enter the URL where the visitor is to be sent when the banner is clicked. For my particular banner it is `http://www.pets911.com`.
- If you are selling advertising space by impression then you would enter the number of impressions in the **Impressions Purchased**. To display the banner indefinitely insert a zero in the block.
- The start and end dates are self-explanatory. The dates are in international format so it may seem odd for US dwellers. The date is in the format `dd/mm/yyyy`.
- The last field **visibility class** is set for targeting your advertising more closely. By default the viewing is set to the user group **Everyone (public)**; however, say you have an advertiser who wants to target a specific group like your registered members or some other user group, then you have to select the appropriate visibility class. This can result in your website having one banner displayed on the front page to everyone and another that is displayed only after a user has registered and logged into the site. For Cuddle Care we are going to use **Everyone (public)** for our campaign.

This completes adding the information for our advertising campaign. Your screen should now look like as shown in the next page. To complete the process, select the **Update Banner** button

Now create a second campaign using the same procedure as above with the following changes:

- **Campaign Name:** In this field enter **VetCentric01**.
- **Banner Image:** In this field select the `vcbanner.gif` banner.
- **URL:** In this field enter, `http://www.vetcentric.com`.

You are doing really great but we aren't finished yet.

Activating the Ad Campaign

Now that we have created the campaign, we need to activate it so that it will be displayed on our website (see the screenshot on the next page). To do this we need to complete the following steps:

1. Click on **banner menu** using the menu on the right side of your screen.
2. Under **available campaigns**, select **pet911_one**. It will move to the right in the **selected campaigns** box.

3. For **Render type** choose the **plain** option.
4. Select the **Update Menu Settings** button.
5. Now repeat the above process but change the campaign to **vetcent_one**.

The screenshot shows a 'Banner Configuration' window. On the left, there's a 'Caption:' field and a large text area with the instruction 'choose campaigns to show in menu'. Below this is a field for 'number of banners to show: this is only used when multiple campaigns are selected' with the value '0'. At the bottom left is a 'Render type' dropdown menu set to 'plain'. On the right side of the window, there's a section titled 'Advertisements' containing two list boxes: 'available campaigns' (which is empty) and 'selected campaigns' (which contains 'pet911_one' and 'vetcent_one'). A 'remove selection' button is located between these two list boxes. At the bottom right of the main configuration area is an 'Update Menu Settings' button. To the far right of the window is a 'banner options' sidebar with three items: 'banner front page' (with a double arrow icon), 'create new banner' (with a double arrow icon), and 'banner menu' (with a double arrow icon).

You have now created and published your ad campaign. To check it out, click on **Home** in the main menu. You should now see the banner at the bottom of your page in place of the generic **e107.org** banner. Now select the browser refresh button a couple of times and you will see the other banner.

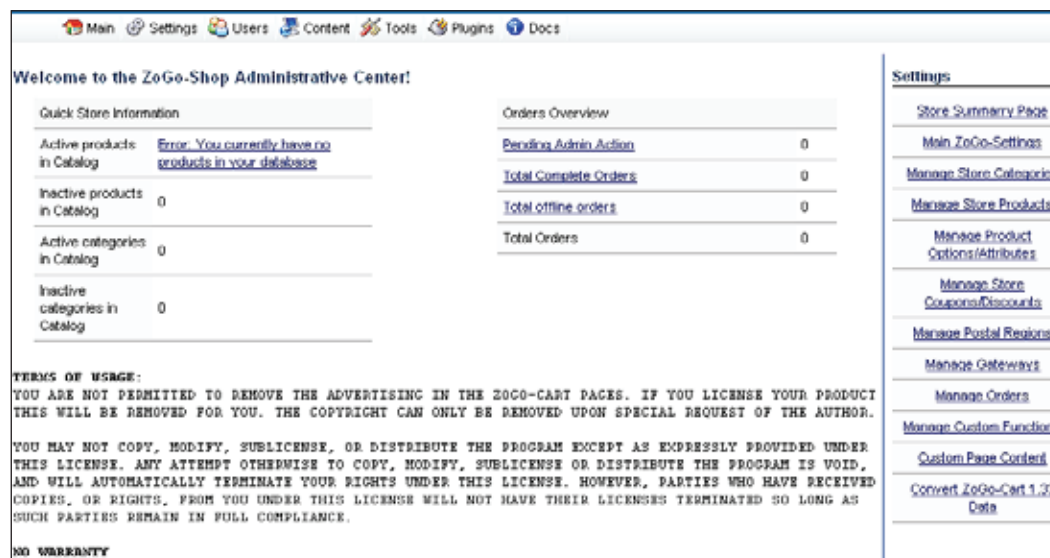
Shopping Cart Plugin

With shopping cart plugins, you can increase the power of your e107 to offer different levels of merchandise. After discussing the products that Cuddle Care wanted to offer, I searched the <http://www.e107coders.org> site for e-commerce plugins. After viewing the various homepages for the plugins for ZoGo-Shop, CafePress, JB Shop, and EBay Auctions, the ZoGo-Shop seemed to provide the features and support that a small proprietor would need.

If you have skipped directly to this section, you need to upload the plugin using the same procedures as outlined in *How to Install Plugins* at the beginning of this chapter. Once the plugin is loaded, log in to the administrative interface and perform the following steps:

1. Select the **Plugin Manager** icon from the **Plugins** section.
2. Locate the **Zogo-Shop** plugin and select the **Install button**.
3. Just under the **Plugin Successfully Installed** message you will see **[Configure]**. Click on **Configure** (see screenshot on the next page).

The next screen that will be seen is the **ZoGo-Shop Administrative Center**. From here, we will be able to configure every aspect of our store. We are just going to cover the basics of this plugin while building our store; however, I have included the manual at <http://www.connetek.com> for downloading, or you can also refer to the ZoGo-Shop manual at <http://www.mytipper.com/download.php?view.3>, which explains all aspects of the plugin.



On the right side of your screen, you will notice a menu. This is the ZoGo-Shop administration menu. We will be using this menu to complete the configuration of our store. As you will see, some of these setting will be different for you depending on where you live. Feel free to use your own currencies, taxes, etc.

Main ZoGo-Shop Settings

When you click the Main ZoGo-Settings link from the administration menu a page will be displayed. Enter the data in these fields as mentioned below:

- **Store Name:** This field allows you to enter the name of the store, e.g. **Paws R Us**.
- **Store Language:** This drop-down menu allows you to select the language to be used in the store. We will select **english**.
- **Email Address to send Order:** This field allows you to enter the email address where you wish to receive orders. We will enter **pawrus@cuddlecare.com**.

- **Use Coupons:** If you check the checkbox you can create coupons that your customers can use when placing an order. We will select the checkbox.
- **Store Currency:** In this field you enter the currency short code. For a listing you can go to <http://www.jhall.demon.co.uk/currency/>. For our purposes we will enter **USD**.
- **Currency Symbol:** In this field you can enter the appropriate currency symbol for your store. We will be dealing in US dollars so enter **\$**.
- **Order Products by:** This is a drop-down menu. The selection you make will determine how the products are displayed on the products page. Leave this field set to **ID**.
- **Products Per Page:** This setting allows you to set how many items appear on the products page. We will enter the value **6**.
- **Category Display Style:** This setting determines if the customer sees the categories in columns or as a list. We will set it to **Category Style**.
- **Customer must be member to purchase:** We want everyone who comes to our site to be able to order so do not select the checkbox.
- **Tax Inclusive:** If this is checked, the tax will be calculated as a percentage of the total price. We will leave the field blank.
- **Tax Rate (as %):** This calculates the tax rate as a percentage. For our purposes we need to collect sales tax of **6%**.
- **Postage Method:** A drop-down menu with various methods of determining postage fees. For our store we will use **Item based postage**.
- **Low Stock Warning Level:** This field sets the minimum stock level at which the store administrator gets an email, warning them of the low stock. Set this to **5** for our store.
- **Sell Item when not in stock:** If checked you can allow orders to be placed even though the item is currently out of stock. We will select the **Yes** option.
- **Download Directory:** If you are selling an item that can be downloaded you would specify the download URL in this block. We have no download items so leave this blank. If you are using this feature DO NOT use backslashes \; use only the forward slash/.
- **License Number:** If you have purchased ZoGo-Cart, you may enter the license number here. This will remove the advertisements that are displayed with the free version.

Now click on the **Submit** button; the screen should look as shown in the screenshot below.

 Main  Settings  Users  Content  Tools  Plugins  Docs	
Store Name:	Paws R Us
Store Language:	english
Email Address to send Order details:	shop@connetek.com
Use Coupons:	☒
Store Currency; (AUD, USD etc):	USD
Currency Symbol:	\$
Current Order ID:	1
Order Products by:	ID
Products Per Page:	6
Category Display Style:	Category Style
Customer must be member to purchase:	☐
Tax Inclusive (Tax is calculated as a portion of price):	☐
Tax Rate (as %):	6%
Postage Method:	Item based postage
Low Stock Warning Level:	1
Sell Item when not in stock:	☒
Download Directory (full path):	
License Number:	
Submit	

Manage Store Categories

In this section we are going to learn about how to manage store categories. To manage store categories select **Manage Store Categories** from the menu to the right.

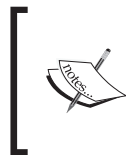
Adding Store Categories

Just to keep things from becoming too complex we will just add three categories: **Treats**, **Flea and Tick Control**, and **Collar and Leashes**. All fields must be completed when creating a category. For the most part these are self explanatory except where noted. Let's create our categories:

- **Category Name:** In this field enter the category name, **Treats**.
- **Parent Category:** If you are going to create a sub-category, you need to specify the parent category in this block. We will enter **NONE**.
- **Category Display Order:** This field determines the order of category. We will enter **1**.
- **Category Images:** Choose the image option and from the pop-up menu select **myStore.gif**.
- **Category Description:** In this field enter some description about the category. We will enter: **Treats and chews that are healthy and safe for your pets**.
- **Active:** If you want to activate the category you check the box to make it available. Select the **yes** option.

Click on the **Submit** button.

Using the above steps, repeat the procedure for **Flea and Tick Control** and **Collar and Leashes**. For **Category Display Order** substitute **2** and **3** in place of the **1**, then enter **test description** for **Category Description**.



To speed things up instead of adding an image you will just select the `noimg.jpg`. Of course when you set up your own store, you would create the graphic or photo, upload it to the images folder, and then you would select it.

Editing and Deleting Categories

You can edit and delete categories from the same screen where you have added the categories. Once you have created your first category and the screen refreshes you will notice a new block at the top of the screen entitled **Category List** as shown in the screenshot on the next page. You select the category of your choice and then select the **Edit** or **Delete** button.

Category List		Settings
Available Categories: Treats Edit Delete		Store Summary Page Main ZoGo-Settings Manage Store Categories Manage Store Products Manage Product Options/Attributes Manage Store Coupons/Discounts Manage Postal Regions Manage Gateways Manage Orders Manage Custom Functions Custom Page Content Convert ZoGo-Cart 1.33 Data
Category Name:	Treats	
Parent Category:	NONE v	
Category Display Order:	1	
Category Image:	myStore.gif Choose Image	
Category Description:	Treats and chews that are healthy and safe for your pets	
Active:	☒	
Submit		

Manage Store Products

In this section we are going to learn about how to manage store products. To manage store products select **Manage Store Products** from the menu to the right.

Adding Store Products

As with categories, we just want to get our feet wet and not set up a huge store. So we will just add a product under the **Treats** category. If you would like additional practice, add as many fictitious products under as many categories as you wish.

- **Available Categories:** This field allows you to select the category that you wish to place your product in. We will select **Treats**.
- **Product Name:** This field allows you to enter the name of the product. We will enter **Boomer Snack**.
- **Product Price:** This field allows you to enter the price of the product. We will enter **9.99**. (Do not put a \$ sign before the price.)
- **Postage Price:** This field allows you to enter the postage price of the product. We will enter **4.00**.

- **Product Thumbnail:** This field allows you to enter the thumbnail of the product. We will select **noimg.jpg**.
- **Product Image:** This field allows you to enter the image of the product. We will select **noimg.jpg**.
- **Categories:** We can place a product under multiple categories by enabling the categories. We only need one for our snacks so click on **Treats** in the **Disabled** column and then select **Enable**.
- **Product Description:** This field allows you to enter a product description. We will enter **Dogs love these delicious wholesome treats. These are custom treats for those of you who want the best for their canine companions. That is why we make each order as it is received, then bag them as soon as they are finished and ship them out so that your companion can savor the freshness. The treats are crunchy and help prevent tartar buildup. Just the right size to put inside a Kong ball to keep your pet playing for hours. They store well and dogs love them.**
- **Active:** This field will allow you to choose the product as an active one. We will select the checkbox.
- **Downloadable Product:** If we had a downloadable product we would have selected the checkbox.
- **Download File:** We would select the download file from the drop-down menu. This was set up in the General Settings.
- **Run Function on Product After purchase:** We will leave this field blank.
- **Special Price:** If you have a special price on a product you can enter it here. Leave this blank for now.

Your screen will now look as shown in the screenshot below:

Manage Products	
Available Products:	v Edit Delete
Category List	
Available Categories:	Treats v Filter
Manage Products	
Product Name:	Boomer Snacks
Product Price:	9.99
Postage Price:	4.00
Stock on Hand:	20
Product Thumbnail:	noimg.jpg Choose Image
Product Image:	noimg.jpg Choose Image
Categories:	Enabled Treats Disable -> -< Enable Disabled Flea and Tick Control Collars and Leashes
Product Description: (for details page):	Dogs love these delicious wholesome treats. These are custom treats for those of you who want the best for their canine companions. That is why we make each order as it is received, then bag them as soon as they are finished and ship them out so that your companion can savor the freshness. • The treats are crunchy and help prevent tartar buildup. Just the right size to put inside a Kong ball to keep your pet playing for hours. They store well and dogs love them.
Active:	☒
Advanced Options	
Downloadable Product:	☐
Download File:	Select a Download... v
Run Function on Product After purchase:	Defined Functions: v Function Variables: Permitted variables: \$theorder, \$thestatus, \$theOnumber, \$thegateway, \$theregion, \$coupon
Special Price:	 Put a price in here to put the product on "Special"
Submit	

Click on the **Submit** button to complete the process.

Editing and Deleting Products

You can edit and delete products from the same screen as shown on the previous page. Once you have created your first product and the screen refreshes you will notice a new block at the top of the screen entitled **Manage Products**. You select the product of your choice to edit or delete from the **Available Products** drop-down menu. For editing select the **Edit** button make your changes and finish with the **Submit** button. For deleting a product, select the product and click on the **Delete** button.

Manage Gateways

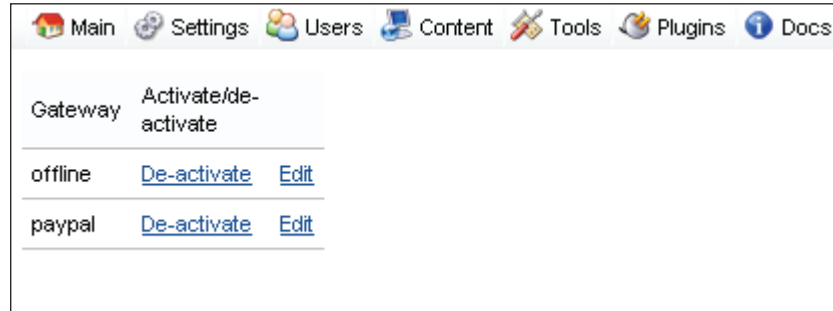
At the time I installed this plugin, there were two methods for your customers to pay through ZoGo Shop. One is to pay by PayPal, which requires you to open up a PayPal Merchant Account www.paypal.com. This is a very inexpensive and less risky way for you to begin accepting credit/debit cards and e-checks over the internet.

The other is for the customer to print the order and mail it along with a check or money order to you. We always like to offer both as some people still do not trust internet transactions but on the flip side exercise caution when accepting checks and money orders.

On the ZoGo-Shop menu to the right select **Manage Gateways** and follow along:

- Select both gateways as **Activate**.
- Select **Edit** for **offline**:
 - **Pets R Us**
 - **123 Anywhere Street**
 - **Austell, GA 30126**
- Select the **Submit** button and your screen should now look as shown in the screenshot on the next page.
- Select **Edit** for **PayPal**:
 - **petsRus@cuddlecare.com**: You would replace this with your PayPal account login.

- Select the **Submit** button.



Now that we have completed configuring our store, we need to make a test. In order to do this you need to log out as administrator and view the store as a visitor. Remember, we made the store available to anyone that visits the site. Locate the **Online Store** from the main menu and click on the link.

You will then see the first page of the **Pampered Pet Online Store**, with its huge inventory of three items. Select the item, enter how many you would like and then select the **Add to Cart** button.

A page displaying your shopping cart will appear, if your order looks right then click on the **Checkout** button. Go ahead and fill out the information, especially your email address as you will want to make sure you get an email.

For our test, use the Offline payment method and then select the **Proceed to Payment** button. On the next page click on the **Click Here To Pay Now** button. You will now see an electronic receipt, but go ahead and select the **Click here to download your invoice (PDF)** button. If you have Adobe Acrobat Reader installed on your computer then you will see a nicely formatted and professional invoice, which you can save to your computer or print out as shown on the next page.



Before testing the PayPal payment function, make sure to check your PayPal Merchant Account to set up for testing. Otherwise, PayPal will charge your account.

Cuddle Care Animal Hospital

Paw R Us Pet Shop
3878 Austell Road
Austell, GA 30106
Phone: 770-434-0311
Fax: 440-434-0312
Email: pawrus@cuddlecare.biz

Invoice: 000001

PAGE

1

DATE _____

January 22, 2007, 9:40 am

John Doe
123 Anywhere Street
Mableton, GA
US, 30126
connetek@connetek.com

PAYMENT METHOD

offline

ABN

00000009

REF	Product Name	Quantity	Options	Price per item
1	Boomer Snacks	1		9.99

This invoice should be kept as a receipt and proof of purchase.
We thank you for shopping with us and hope to do business with you again soon.

P&H	N/A
Tax:	\$0.60
SubTotal:	\$9.99
Total:	\$10.59

Managing Orders

Now that we have an order in the system, we can view what you will see as those thousands of dollars of orders stream into your store.

To manage orders do the following:

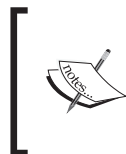
- Log in as administrator.
- Select **ZoGo-Shop** from the **Plugins** section.
- Select **Manage Orders** from the ZoGo administrative interface.
- Select the **Order Number** option from the **Filter by** combo box and click the **search** button.
- Here you will see the received orders. When you box up and ship the package check the **shipping block**. Once the package has left your shop, you can mark the order as **complete**.
- If after placing the order, the customer decides to cancel, just click on the **delete order** key located under the **Total Price**.



Always make sure to print out copies of orders and make regular daily MySQL backups. Check with your web-hosting service if you are unfamiliar with how to perform the backups and to automate the backup procedure.

ZoGo-Shop is easy to use, has a nice interface, and great support. It is ideal if you do not have a mega store. If you like this plugin, you should consider purchasing it. The cost is modest and your store will be rid of the built-in advertising. Your support also helps to encourage developers to upgrade their plugins and make new ones.

If you are going to open a store with thousands of items then you will want to check out osCommerce <http://www.oscommerce.org/>. This is a very powerful and sophisticated piece of software, yet it is amazingly simple to learn and use. If osCommerce is the program you need, then make a post on the <http://www.e107coders.org> and the <http://www.oscommerce.org> websites briefly stating that you are seeking a programmer to develop a bridge between e107 and osCommerce. Your best bet is to incorporate in your ad that you willing to pay for the code. Like all contract jobs, make sure to get references.



Packt Publishing offers both Beginner's edition and Professional edition osCommerce books written by David Mercer, and the *Deep Inside osCommerce: The Cookbook* by Monica Mathé. Visit the official website of Packt Publishing, <http://www.packtpub.com>.

FAQ (Frequently Asked Questions) Plugin

This is a fantastic plugin if you have clients who are constantly calling or emailing requesting answers to questions of a general nature. If used properly, this can be a great time saver for you, your sales/support team, and your clients.

To get started obtain the latest version of the plugin from <http://www.e107coders.com>. Then upload it to the server using your FTP client as explained earlier. Once this has been completed log on to the administrative interface. Locate the FAQ plugin and perform the following steps:

- Click the **Install** button.
- Once you have done the install process of the plugin, check to see if the plugin status light is green. If it is green, you have installed the plugin successfully. If it is yellow, then click on the **upgrade** button to the right.
- Once the plugin is successfully installed, it will take you to the next page. Locate the area where it says **The FAQ plugin is installed. To configure go to your admin page and click the FAQ link in the plugins section. [Configure]** and click on **Configure**.



If for some reason, you jumped ahead or left the page and want to get back to configure it you can return to the administrative interface, scroll to the bottom under **Plugins**, and select the **FAQ** icon.

Adding Categories

Now that we have successfully installed the plugin, we want to create topic categories. We will enter the FAQ admin screen. If you have been following along you are already there, if you left then follow the instructions in the information box above to get to the screen. However, before we begin we need to be in the right frame of reference. Think of the category as a filing cabinet. Its purpose is to provide space for the file drawers (sub-categories) and the file drawers (sub-categories) hold the files (the questions and responses). Now that we are all on the same page, we are going to add some categories by performing the following steps:

1. Select **Add Category** from the menu to the right and a screen will appear as shown on the next page:

FAQ Help	SubCategory	FAQs
Add Category Category Parent Select the category parent that this should be in. Select 'No Category' to make it a Parent Category. Title The title or name for this category - shown in the FAQ front page list. Description A description about the type of FAQs in this category. Visible to Who can see this category and the FAQs in it.	Create Category Category Parent: No Category Category Title: Cuddle Care Animal Hospital Category Description: Cuddle Care Animal Hospital Hours of Operation Visible to: Everyone (public) Create New Category	View Categories Add Category Add FAQ Preferences Submissions Check for Updates

- In the **Category Title** field enter **Cuddle Care Animal Hospital**.
- In the **Category Description** field enter **Cuddle Care Animal Hospital Hours of Operation**.
- We want everyone to be able to view, so leave the **Visible to** field set to **Everyone (public)**.
- Select the **Create New Category** button.
- Add a second category (using the steps above) entitled **General Questions (Health)** and for the **Category Description** enter **Use this category for general questions regarding pet health**.

Adding Sub-Categories

We have created the two main categories. Now we must prepare the cabinet to accept the files. This means that we will now create the sub-categories as follows:

- Select **Add Category** from the menu to the right.
- For **Category Parent** select from the drop-down menu **About Cuddle Care Animal Hospital**.
- In the **Category Title** field enter **Hours of Operation**.
- In the **Category Description** field enter **Normal hours of operation**.
- We want everyone to be able to view so leave the **Visible to** field set to **Everyone (public)**.
- Select the **Create New Category** button.

Now create another sub-category in this category with **Category Title** and **Category Description** as **Credentials**.

The next step is to create sub-categories for the **General Questions (Health)** category; that can be done as follows:

1. Select **Add Category** from the menu to the right.
2. For **Category Parent** select from the drop-down menu **General Questions (Health)**.
3. In the **Category Title** field enter **General Health Questions (Dogs/Puppies)**.
4. In the **Category Description** field enter **Use this category for general health questions for dogs and puppies**.
5. We want everyone to be able to view so leave the **Visible to** field set to **Everyone (public)**.
6. Select the **Create New Category** button.
7. Now create another sub-category in this category with **Category Title** as **General Health Questions (Cats/Kittens)** and **Category Description** as **Use this category for general health questions for cats and kittens**.

Now select **View Categories** from the menu to the right. If you have followed the above steps correctly, your screen should look as shown below:

The screenshot displays the 'FAQ Help' plugin interface. On the left, a sidebar contains the 'Add Category' form with fields for 'Category Parent', 'Title', 'Description', and 'Visible to'. The main area shows a message 'New FAQ created and entered into database.' followed by a table of FAQ categories. The table has columns for 'FAQ Categories', 'Total', and 'Actions'. The categories listed are 'Cuddle Care Animal Hospital.', 'Hours of Operation', 'Credentials', 'General Questions (Health)', 'General Health Questions (Dogs/Puppies)', and 'General Health Questions (Cats/Kittens)'. Each category has a 'Total' of 0 and 'Info', 'Edit', and 'Delete' buttons. On the right, a sidebar contains links for 'View Categories', 'Add Category', 'Add FAQ', 'Preferences', 'Submissions', and 'Check for Updates'.

FAQ Categories	Total	Actions
Cuddle Care Animal Hospital.		Info Delete
Hours of Operation	0	Info Edit Delete
Credentials	0	Info Edit Delete
General Questions (Health)		Info Delete
General Health Questions (Dogs/Puppies)	0	Info Edit Delete
General Health Questions (Cats/Kittens)	0	Info Edit Delete

Setting Preferences

Now we are going to set our preferences for the FAQ Plugin. Select **Preferences** from the menu to the right and a screen will appear as shown in the screenshot below:

FAQ	
FAQ Preferences	
FAQ Supervisor:	Admin ▼
Allow submitting of FAQs by:	Members ▼
Auto Approve Class:	Admin ▼
Allowed to add comments:	Admin ▼
Default comments:	Admin ▼
Show send to button class:	Admin ▼
Allow users to edit their own FAQs:	☒
Show poster details on FAQ.:	☒
Allow users to upload a graphic.:	☒
Show random FAQ in menu:	☒
Number of most popular FAQs in menu:	10
FAQ Page Title:	FAQ
Meta tag description:	Blank This overrides the site description meta tag for all FAQ pages.
Meta tag keywords:	Blank This overrides the site keywords meta tag for all FAQ pages. Separate each word by a ,
FAQ Menu Text:	Did you know?
FAQs per page:	10
Save Settings	

As we are filling out the information for this form, you will notice on the left side of your screen a description of each of the following configuration options. Enter the configurations as follows:

- **Allow Submitting of FAQs by:** Set the user class to who is allowed to submit a new FAQ. (See also Auto Approve.) Select **Members**.
- **Allow user to edit their own FAQs:** Leave the checkbox checked.
- **Auto Approve Class:** This class determines which class has its FAQ submissions automatically approved. This means it does not need to be approved by an admin; but for our website we will set it to **Admin**.

- **Allowed to add comments:** This field determines which userclass is allowed to select **add comments** when submitting an FAQ. We will set this to **Admin**.
- **Default Comments:** This field will allow you to set the default 'add comments' for users submitting a new FAQ. We will set this to **Members**.
- **Show send to button class:** This field determines the class that is allowed to see and send a link to the FAQ to another person. We will set this to **Admin**.
- **Allow users to edit their own FAQs:** This field determines whether to allow users to edit their own FAQ after it has been approved. Leave this checkbox checked.
- **Show poster details on FAQ:** This field will allow showing the details of the poster on each FAQ. We will uncheck this checkbox.
- **Allow users to upload a graphic:** Allow users to upload a graphic for inclusion in the FAQ. We will leave the box checked.
- **Show random FAQ in menu:** This field allows you to show a random FAQ in the menu. Uncheck this checkbox.
- **Number of most popular FAQs in menu:** This field allows you to set the number of FAQs that can be shown in the most popular list. We will select **0** since we don't want any FAQ in the most popular list.
- **FAQ Page Title:** This field allows you to enter the title for the FAQ pages . You can leave this field blank for the default site tag. We will enter **FAQ**.
- **Meta tag description:** This field allows adding a meta tag description for all the FAQ pages. Leave blank for the default site tag. We will leave this field blank. (For more information about Meta Description see Chapter 8.)
- **Meta keywords:** This field allows you to enter a meta tag keyword list for all the FAQ pages. Leave blank for the default site tag. We will leave this field blank. (For more information about Meta Tags see Chapter 8.)
- **FAQ per page:** This field determines the number of FAQs to show on **each** page. Set this to **10**.
- Select the **Save Settings** button.

Entering Sample FAQs

Now that we have covered the basic setup, let us enter a couple of FAQs.

- On the FAQ menu to the right select **Add FAQ**.
- **Category selection:** We will set this to **Hours of Operation**.
- **FAQ Question:** We will enter the question **What days are you open?**

- **FAQ Answer:** We will enter the answer **Cuddle Care is open Monday, Tuesday Thursday and Friday from 8am to 6pm, Saturdays 8am to 12pm, Closed Wednesdays and Sundays.**
- Click on the **Submit FAQ Item** button.

Similarly you can add another FAQ in the following manner:

- Select **Add FAQ.**
- **Category selection:** We will set this to **Credentials.**
- **FAQ Question:** We will enter the question **What are the Doctor's Qualifications?.**
- **FAQ Answer:** We will enter the answer **American Veterinary Medical Association , Greater Atlanta Veterinary Medical Society, Licensed to practice in Georgia, Texas, and Alabama.**
- Click on **Submit FAQ Item.**

Since you are adding FAQs as the administrator there are no submissions to approve. However, if a member made a submission, then you would click on **Submissions** in the menu to the right, which would bring up a screen of pending FAQs. At this time, you would answer the question and then approve it so it would be visible.

Now log out as an administrator and view the site as a visitor. Select **FAQ** from the top menu bar. You will now see the number **1** by both the **Hours of Operation** and the **Credentials** indicating that these categories each have one FAQ .

Summary

In Chapter 5 we learned about core and non-core plugins to enhance the capabilities of our e107-powered site. We learned where to find non-core plugins and how to install them through the plugin installer as well as how to bypass the plugin upload utility if the need arises. We learned how to install and configure the banner advertising plugin, ZoGo Cart shopping cart plugin, and the Frequently Asked Questions plugin.



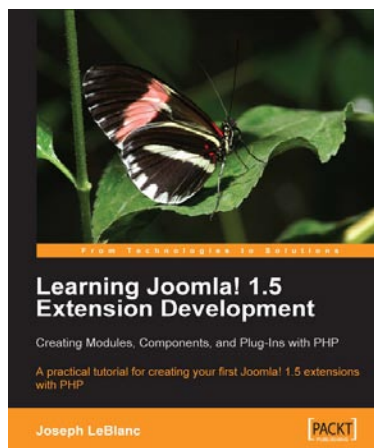
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6

Customizing Your Site for Business with Plugins

In the last chapter, we learned how to customize e107 for the particular needs of e-commerce and in this chapter we will explore and install various plugins that can turn our e107 site into a powerful business website.

User Class

In this chapter we will begin to use plugins for our business site where we want to control who has access to view the information and who may post comments, make posts, upload photos, participate in polls, or download information. These are just a few of the things that can be controlled via user class aka userclass.

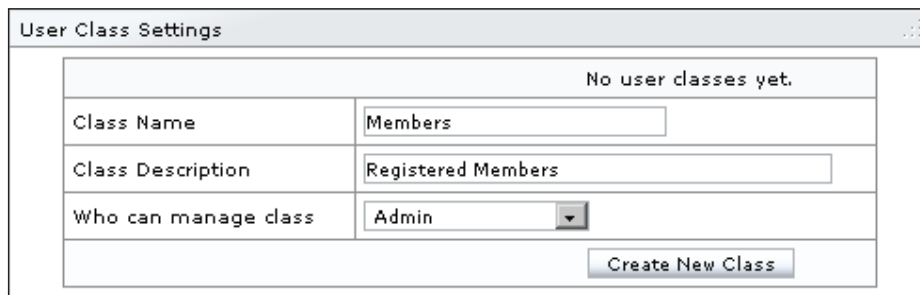
User class is assigned through the administrative interface. There are four user classes that are initially assigned when you install e107:

1. **Everyone (Public):** This user class provides access to anyone who visits the site to view, post, or manipulate the data.
2. **No one (Inactive):** If this user class is selected then no one will be able to view whatever has been assigned to this user group.
3. **Admin:** When this user class is selected, only those with administrative privileges will be able to view, post, or manipulate the data.
4. **Main Admin:** When this user class is selected, only the main administrator will be able to view, post, or manipulate the data.

Creating a User Class

Say we wanted to restrict access to certain sections or functions to members of the website. We would create a new user class by doing the following (see the screenshot below):

1. Select the **User Classes** icon from the administrative interface.
2. In the **Class Name** field enter **Members**.
3. In the **Class Description** field enter **Registered Members**.
4. Select the **Create New Class** button.

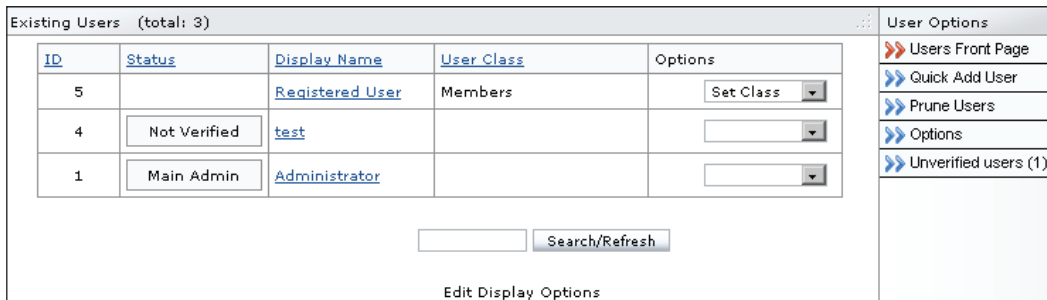


The screenshot shows a 'User Class Settings' window. At the top, it says 'No user classes yet.' Below this are four input fields: 'Class Name' with the value 'Members', 'Class Description' with the value 'Registered Members', and 'Who can manage class' with a dropdown menu set to 'Admin'. At the bottom right is a 'Create New Class' button.

Attaching a User Class to a User

We have created the class but how do we assign users to it? Well some plugins do this for you depending upon their function, but you can assign any user class to any registered user. Since we already have a member called **Registered User** that we created back in Chapter 3 we will assign this user to our newly created member's user class. To do this we will need to:

1. Select the **Users** icon from the administrative interface.
2. To the right of the **Registered User** link locate the drop-down menu under the **Options** column and select **Set Class** as shown below:



The screenshot shows a table titled 'Existing Users (total: 3)'. The table has five columns: ID, Status, Display Name, User Class, and Options. The first row shows a user with ID 5, Status 'Not Verified', Display Name 'Registered User', and User Class 'Members'. The second row shows a user with ID 4, Status 'Not Verified', Display Name 'test', and User Class is empty. The third row shows a user with ID 1, Status 'Main Admin', Display Name 'Administrator', and User Class is empty. The Options column has a dropdown menu for each user, with the first one set to 'Set Class'. To the right of the table is a 'User Options' sidebar with links: 'Users Front Page', 'Quick Add User', 'Prune Users', 'Options', and 'Unverified users (1)'. At the bottom of the table is a 'Search/Refresh' button and an 'Edit Display Options' link.

3. Once you have made your selection, you will automatically advance to the next screen as shown below.
4. Optionally, check the box to notify the user of their updated user class.
5. Select the **Set Classes** button.

Set class for user **Registered User (1)**

☒ Members	Registered Members
☒ Notify User <button>Set Classes</button>	

Deleting a User from a User Class

Let's say that we wanted to remove **Registered User** from the members' user class. To do this we would:

1. Select the **Users** icon from the administrative interface.
2. Find the user you want to delete and locate the drop-down menu under the **Options** column and select **Set Class** as we did before.
3. You will advance to the next screen automatically. Uncheck the box that says **Members** as shown below.
4. Optionally, check the **Notify User** checkbox to notify the user of their updated user class.

Set class for user **Registered User ()**

☐ Members	Registered Members
☒ Notify User <button>Set Classes</button>	

Assigning Admin User Class to a User or Removing It

Assigning admin privileges to a user or removing them is very simple. Say we wanted to assign **Registered User** to the admin user class. We would do the following:

1. Select the **Users** icon from the administrative interface.
2. Find the user and locate the drop-down menu under the **Options** column and select **Make admin**.

3. To remove administrative privileges you would once again locate the drop-down menu to the right of **Registered User** and select **Remove admin status**.

Before we move on, go back and reassign **Registered User** to the **Members** user class.

The Forum Plugin

If you visit any business website, you will find a forum. It can be open to the public, restricted to registered members, or it may be an internal forum only for employees or for both visitors and employees. Sometimes it is set up for peers to help peers solve problems. By controlling access to view and post by user class, we can easily achieve this level of control.

Normally, before you would install this plugin you would plan the parent categories (topical subdivisions), the forums (the topics within those categories), and the permissions level for viewing, posting, and administering the forums. The main purpose of breaking information into parent levels is to assist users in finding things faster, so resist the urge to over categorize.

Installing Forum

The **Forum** plugin is one of the core e107 plugins. As you know this means that we have uploaded it to the server when we installed e107. To install the plugin we need to do the following:

1. Log on to our website as administrator.
2. If you are using the default admin theme (Jayya v1.0) for administration, use the drop-down menu on the top-left side of your screen and select **Plugins**. If you are using another theme, scroll down to the **Plugins** section and select **Plugin Manager**.
3. Locate the **Forum** plugin and click on the **Install** button.
4. Just under the successful installation message you will see: **Your forum is now installed [Configure]**. Click on **Configure**.
5. You will then be taken to the forum-configuration interface as shown in the screenshot on the next page.

Existing Forums		Forum Options
Forums	Options	» Forums Front Page
No forums yet.		» Create Parents
		» Forum Order
		» Preferences
		» Prune
		» Ranks
		» Forum Rules
		» Reported Posts
		» Moderators
		» Tools

Creating the Forum Parents

Before creating any forums, we have to create our forum parents (topical subdivisions). You may only have a small organization and not need different categories but in order to create a forum you must have at least one parent as it acts as the container that holds the forums. This can be done as follows:

1. Select **Create Parents** from the **Configuration Menu**.
2. In the **Name** field enter **General Information**.
3. Leave the **Viewable by** field set to **Everyone (public)**.
4. Set the **Post permission** field to **Members**.
5. Select the **Create Parent** button.
6. Similarly create the following forum parents listed below:
 - **Dogs and Puppies**
 - **Cats and Kittens**
 - **Birds**
 - **Other Animals**
 - **Pets and Travel**
 - **Miscellaneous Pet Topics**

If you select **Forums Front Page** from the **Forums Options** menu at the right-hand side, you will now see the **Existing Forums** screen where you see the parent categories and the various permission levels. In the screenshot on the next page you can see that while the parent categories exist, there are no forums created under the categories. We will learn to create forums under the parent categories in the following section. If you made a mistake in the creation process, you can edit it here by clicking on the **Edit** icon under the **Options** column.

Existing Forums		Forum Options
Forums	Options	» Forums Front Page » Create Parents » Create Forums » Forum Order » Preferences » Prune » Ranks » Forum Rules » Reported Posts » Moderators » Tools
Miscellaneous Pet Topics View: Everyone (public) Post: Members	 	
No forums yet.		
Pets and Travel View: Everyone (public) Post: Members	 	
No forums yet.		
Other Animals View: Everyone (public) Post: Members	 	
No forums yet.		
Birds View: Everyone (public) Post: Members	 	
No forums yet.		
Cats and Kittens View: Everyone (public) Post: Members	 	
No forums yet.		
Dogs and Puppies View: Everyone (public) Post: Members	 	
No forums yet.		
General Information View: Everyone (public) Post: Members	 	
No forums yet.		

Creating the Forums

Now that we have defined our parent categories, we will create our forums.

1. Click on **Create Forums** from the **Forum Options** menu.
2. In the **Parent** drop-down menu **General Information** is selected by default.
3. Enter **General Information** for the forum's **Name** field.
4. In the **Description** field enter: **This forum contains general information about Cuddle Care and using this forum. It is a read-only forum.**
5. In the **Moderators** drop-down menu select **Admin**.
6. In the **Viewable By** drop-down menu select **Everyone (public)**.
7. In the **Post Permission** drop-down menu select **Admin**.
8. Make forums for the rest of the parents in the same manner, except for **Dogs and Puppies** and **Cats and Kittens**, with the following changes:
 - In the **Post Permission** drop-down menu select **Members**.

- In the **Description** field substitute the name of the forum as applicable (e.g. **This forum is for the discussion of pet topics not covered elsewhere. You must be a registered member to post to this forum**). You can copy the forum descriptions from the screenshot below.
- 9. Now make a forum for **Dogs and Puppies**. In the **Name** field enter **Dogs and Puppies** beginning with an asterisk (*). The asterisk tells the plugin to create the forum as a container for holding sub-forums.
- 10. In the **Description** field enter: **This forum is divided into two sub-forums. One is for the discussion of adult dogs and the other for the discussion of puppies. You must be a registered member to post to this forum.**
- 11. Similarly, create a forum container for **Cats and Kittens** changing the description appropriately.

Now select **Forums Front Page** and it should look as shown below:

Existing Forums		Forum Options
Forums	Options	Forums Front Page Create Parents Create Forums Forum Order Preferences Prune Ranks Forum Rules Reported Posts Moderators Tools
Miscellaneous Pet Topics View: Everyone (public) Post: Members		
Miscellaneous Pet Topics This forum is for the discussion of pet topics not covered elsewhere. You must be a registered member to post to this forum View: Everyone (public) Post: Members		
Pets and Travel View: Everyone (public) Post: Members		
Pets and Travel This forum is for discussion of pet travel related information. You must register to post to this forum View: Everyone (public) Post: Members		
Other Animals View: Everyone (public) Post: Members		
Other Animals This forum is for discussion of animals that do not have a specific forum. You must be a registered member to post to this forum View: Everyone (public) Post: Members		
Birds View: Everyone (public) Post: Members		
Birds This forum is for the discussion of birds. You must be a registered member to post to this forum View: Everyone (public) Post: Members		
Cats and Kittens View: Everyone (public) Post: Members		
*Cats and Kittens This forum is divided into two sub-forums. One for the discussion of adult cats and the other for the discussion of kittens. You must register to post to this forum. View: Everyone (public) Post: Admin		
Dogs and Puppies View: Everyone (public) Post: Members		
*Dogs and Puppies This forum is divided into two sub-forums. One is for the discussion of adult dogs and the other for the discussion of puppies. You must be a registered member to post to this forum. View: Everyone (public) Post: Members		
General Information View: Everyone (public) Post: Members		
General Information This forum is for general information about Cuddle Care and using this forum. This forum is a read only forum View: Everyone (public) Post: Admin		

Creating the Sub-Forums

As you can imagine, if you created enough forums the page would just get longer and longer. Fortunately, e107 also helps to create sub-forums. This can be done as follows:

1. Click on the **Forums Front Page**.
2. Locate the **Dogs and Puppies** forum. Click on the **Configure Sub Forums** icon under the **Options** column.
3. In the **Name** field, enter **Puppies** for the sub-forum name.
4. In the **Description** field, enter **This forum is for the discussion of adult dogs. You must be a registered member to post to this forum.**
5. In the **Order** field enter 0.
6. Select the **Create sub-forums** button.
7. Similarly create another forum **Dogs**. In the **Name** field enter **Dogs** for the second sub-forum name.
8. In the **Description** field, enter **This forum is for the discussion of puppies. You must be a registered member to post to this forum.**
9. In the **Order** field enter 0 for order and then select the **Create sub-forums** button.

Click on **Forums Front Page** to view the updated list. Now click on the **Dogs and Puppies** forum link. You will see your sub-forums as shown in the screenshot below. Repeat the above process for **Cats and Kittens**.

Cuddle Care Animal Hospital

Professional Care with that Cuddle Care Touch

[Home](#) [Downloads](#) [Members](#) [Submit News](#) [Contact Us](#) [Forum](#)

Forums

Cuddle Care Animal Hospital :: Forums :: Dogs and Puppies :: Dogs and Puppies

	Sub-forum	Threads	Replies	Last Post
	Dogs This forum is for the discussion of adult dogs. You must be registered member to post to this forum	0	0	-
	Puppies This forum is for the discussion of puppies. You must be registered member to post to this forum	0	0	-

Jump to forum: [Back to top](#)

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Now click on the **Dogs** sub-forum and you will see our dog forum ready for our first post. (See the screenshot below).

Cuddle Care Animal Hospital

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Forums

Cuddle Care Animal Hospital :: Forums :: Dogs and Puppies :: Dogs and Puppies :: Dogs

Dogs

[new thread](#)

Thread	Starter	Replies	Views	Latest Post
There are no topics in this forum yet.				

[new thread](#)

Jump to forum: [Go](#) [Back to top](#)

This forum is moderated by: Administrator

1 user is browsing this forum at the moment (1 member, 0 guests)

New posts

No new posts

Sticky

Announcement

New posts [popular]

No new posts [popular]

Sticky/Closed

Closed thread

You **can** start new threads - You **can** post replies - You **can** edit your posts

[Search](#)

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Changing the Category Order

Sometimes when we don't plan ahead, we create our categories and forums on the fly, or someone thinks of adding more after we have already set up our initial categories and forums. We can adjust the order in which categories and forums are displayed. This is controlled through the **Forum Order** option. In forum administration, select **Forum Order** from the **Forum Options** menu. As you view the page, you will notice that all the categories and forums are numbered **1**. Unless we change the order all categories appear in the order created.

We want to change the order of our categories so that they are alphabetical with the **General Information** category at the top and other miscellaneous category at the bottom. To do this, locate the drop-down menu with the number for the category and change the following:

- **General Information:** This forum will have order number **1**
- **Birds:** This forum will have order number **2**
- **Cats and Kittens:** This forum will have order number **3**
- **Dogs and Puppies:** This forum will have order number **4**
- **Other Animals:** This forum will have order number **5**
- **Pets and Travel:** This forum will have order number **6**
- **Miscellaneous Pet Topics:** This forum will have order number **7**

Now select the **Update Order** button. If you have completed this task correctly, your screen will now appear as shown on the next page.

Order		Forum Options
Forums		Options
Miscellaneous Pet Topics View: Everyone (public) Post: Members		7
	Miscellaneous Pet Topics This forum is for the discussion of pet topics not covered elsewhere. You must be a registered member to post to this forum View: Everyone (public) Post: Members	1
Pets and Travel View: Everyone (public) Post: Members		6
	Pets and Travel This forum is for discussion of pet travel related information. You must register to post to this forum View: Everyone (public) Post: Members	1
Other Animals View: Everyone (public) Post: Members		5
	Other Animals This forum is for discussion of animals that do not have a specific forum. You must be a registered member to post to this forum View: Everyone (public) Post: Members	1
Birds View: Everyone (public) Post: Members		2
	Birds This forum is for the discussion of birds. You must be a registered member to post to this forum View: Everyone (public) Post: Members	1
Cats and Kittens View: Everyone (public) Post: Members		3
	*Cats and Kittens This forum is divided into two sub-forums. One for the discussion of adult cats and the other for the discussion of kittens. You must register to post to this forum. View: Everyone (public) Post: Admin	1
Dogs and Puppies View: Everyone (public) Post: Members		4
	*Dogs and Puppies	

[Forum Options](#)
[Forums Front Page](#)
[Create Parents](#)
[Create Forums](#)
[Forum Order](#)
[Preferences](#)
[Prune](#)
[Ranks](#)
[Forum Rules](#)
[Reported Posts](#)
[Moderators](#)
[Tools](#)

Changing the Forum Order

If we had more than one forum under a category you would be able to use the drop-down menus for the forums to change the order just as we did to change the category order above. If there is only one forum then the drop-down menu will only show the number 1.

Changing the Order of the Sub-Forums

To change the order of a sub-forum is slightly different. Say we would like to put **Kittens** first and then **Cats** second. We would do the following:

Select the **Forum** plugin from the administrative interface.

1. Select the **Configure sub-forums** button (the blue round-shaped button next to the **Delete** button) as shown in the screenshot on the next page.

Pets and Travel View: Everyone (public) Post: Members		 	Ranks Forum Rules Reported Posts Moderators Tools
	Pets and Travel This forum is for discussion of pet travel related information. You must register to post to this forum View: Everyone (public) Post: Members	  	
	Other Animals View: Everyone (public) Post: Members	 	
	Other Animals This forum is for discussion of animals that do not have a specific forum. You must be a registered member to post to this forum View: Everyone (public) Post: Members	  	
	Birds View: Everyone (public) Post: Members	 	
	Birds This forum is for the discussion of birds. You must be a registered member to post to this forum View: Everyone (public) Post: Members	  	
	Cats and Kittens View: Everyone (public) Post: Members	 	
	*Cats and Kittens This forum is divided into two sub-forums. One for the discussion of adult cats and the other for the discussion of kittens. You must register to post to this forum. View: Everyone (public) Post: Admin	   	
	Dogs and Puppies View: Everyone (public) Post: Members	 	
	*Dogs and Puppies This forum is divided into two sub-forums. One is for the discussion of adult dogs and the other for the discussion of puppies. You must be a registered member to post to this forum. View: Everyone (public) Post: Members	  	
	General Information View: Everyone (public) Post: Members	 	
	General Information This forum is for general information about Cuddle Care and using this forum. This forum is a read only forum View: Everyone (public) Post: Admin	  	

2. In the next screen locate the **Order** column, which is to the right of the forum description. Key in **2** next to **Cats** and a **1** next to **Kittens** as shown in the screenshot on the next page.

3. Select the **Update sub-forums** button. Make sure not to select the **Create Sub-forums** button or your changes will **not** be saved.

sub-forums

ID	Name	Description	Order	Delete
32	Kittens	This forum is for the discussion of kittens. You must be registered member to post to this forum	1	
31	Cats	This forum is for the discussion of adult cats. You must be registered member to post to this forum	2	

Update sub-forums

Forum Options

- Forums Front Page
- Create Parents
- Create Forums
- Forum Order
- Preferences
- Prune
- Ranks
- Forum Rules
- Reported Posts
- Moderators
- Tools

ID	Name	Description	Order	

Create sub-forums

You can now check to make sure that the order has changed by going to the **Forums Front Page** and clicking on the ***Cats and Kittens** title/hyperlink.

Setting Forum Preferences

How you set forum preferences will largely depend upon the type of site you are operating, server loads, and other factors. For most of the things, you will not have to make any changes from the default settings; however, I want to cover all the preference settings so that you know what they are, what they do, and how to set them up. Remember that you can always find information on all the functions at <http://wiki.e107.org> and help in the forums at <http://www.e107.org>.

You can set the forum preferences by selecting the **Preferences** option from the **Forum Options** menu. A **Forum Options** page will appear; make changes to the settings as follows:

1. **Enclose tables** Tick this to render the forum within theme table: Select the checkbox.
2. Skip down to the **Enable file / image attachments** setting. To use this setting you also need to check 'Enable image posting' on the images page.

- When you select the set max file size link — **click here** under the **Enable file / image attachments** you will be taken to a configuration screen as shown in the screenshot below. Let's change the settings to:
 - **Uploads enabled?** Choose the **Yes** option.
 - **Storage type:** Select the **Flatfile** option.
 - **Maximum file size:** Set this field to 100kb.
 - **Allowed file types:** Select **Members** from the drop-down menu. Finish the configuration by selecting the **Submit** button.

Uploads					
ID	Date	Poster	Name	Filetype	Actions
There are no unmoderated public uploads.					
Options					
Uploads Enabled? No public uploads will be permitted if disabled				☒ Yes ☐ No	
Storage type Choose how to store uploaded files, either as normal files on server or as binary info in database Note binary is only suitable for smaller files under approximately 500kb				☒ Flatfile ☐ Binary	
Maximum file size Maximum upload size in bytes - leave blank to conform to php.ini setting (php.ini setting is 2M)				50kb	
Allowed file types For security reasons allowed file types has been moved out of the database into a flatfile located in your admin directory. To use, rename the file e107_admin/filetypes_.php to e107_admin/filetypes.php and add a comma delimited list of file type extensions to it. You should not allow the upload of .html, .txt, etc., as an attacker may upload a file of this type which includes malicious javascript. You should also, of course, not allow the upload of .php files or any other type of executable script.				zip, gz, jpg, png, gif, jpeg	
Permission Select to allow only certain users to upload				Members	
Submit					

- Next we need to configure the Images Settings. To do this first locate **Plugins** in the top-left menu and select **Forum** from the **Plugins** drop-down menu. Select **Preferences** from the **Forum Options** menu to the right. In the **Enable file / image attachments** field click on the **images** link and do the following:
 - **Enable image posting:** This will display images, this will apply site-wide (comments, chatbox, etc.). We will select the checkbox.
 - **Image posting class:** When this is enabled it will restrict users who can post images. We will set it to **Members Only**.
 - **Disabled image method:** We will set this to the **Show image URL** option.
 - **Resize method:** This method is used to resize images, either GD1/2 library, or ImageMagick. This setting will depend upon what your web hosting provider has installed. Usually you are safe with the default setting of **gd2**.

- **Path to ImageMagick (if selected):** Leave the default setting unless your hosts uses ImageMagick. If they do, ask them to provide you with the absolute path.
- **Enable Sleight:** We will select the checkbox.
- Select the **Update Image Settings** button.

Image Settings	
Enable image posting Display images, this will apply sitewide (comments, chatbox etc)	☒
Image posting class Restrict users who can post images (if enabled above)	Members only ▾
Disabled image method What to do with posted images if image posting is disabled	Show image URL ▾
Resize method Method used to resize images, either GD1/2 library, or ImageMagick	gd2 ▾
Path to ImageMagick (if selected) Full path to ImageMagick Convert utility	/usr/X11R6/bin/convert
Enable Sleight Fixes transparent PNG-24's with alpha transparency in IE 5 / 6 (Applies Sitewide)	☒
Show uploaded avatars	Click here
Validate avatar size and access	Click here
Update Image Settings	

- Now locate the **Plugins** menu from the top-left menu and select the **Forum** from the **Plugins** drop-down menu.
- **Forum Title:** This is the title displayed in the caption if **Enclose tables** is selected. We will select the checkbox.
- **Enable email notification:** Select the checkbox to allow your users to have the option of receiving an email when somebody replies to their post.
- **Email notification ON by default:** Select the checkbox to make the email notification checkbox on by default.
- **Enable polls:** Select this checkbox to allow your users to set polls in the forums the Polls plugin must be installed to use this feature.
- **Maximum width of uploaded image:** Set this to 120.

- **Create link to full size image:** Enabling this will resize larger images and also create a link to the original full size image. If this is disabled, original image will be discarded. Select the checkbox.
- **Enable tracking:** Select the checkbox to allow your users to track threads and get emails when there is a reply on the thread.
- **Enable Redirect:** Select the checkbox to make the browser redirect to the forum page after replying.
- **User Custom Title:** Check this to allow users to change their Custom Title. We will leave this setting blank.
- **Reported Posts:** Select the checkbox to email admin when someone reports a forum post.
- **Show Tooltips:** Select the checkbox to show a tooltip containing the first post of the thread when the mouse cursor hovers over the thread name.
- **Length of tooltip:** This will determine the number of characters to display in the tooltip. We will set it to 250.
- **Email prefix:** The text you enter will prefix the subject on any emails sent through the forum. Leave the default setting.
- **Popular thread threshold:** This is the number of posts made to a thread before it is marked as popular. We will keep the default setting.
- **Posts per page:** This is the number of posts displayed per page. Leave the default setting.
- **Emphasize Sticky Threads:** Select the checkbox to give extra emphasis to sticky threads (separate thread sections and headers).

Your screen should look as shown in the screenshot below. Click the **Update Options** button at the bottom of the screen to finalize your settings. If later you decide that you want or need to change the settings come back, make the changes, and finish by clicking on the **Update Options** button.

Options Saved		Forum Options
		Forums Front Page
		Create Parents
		Create Forums
		Forum Order
		Preferences
		Prune
		Ranks
		Forum Rules
		Reported Posts
		Moderators
		Tools
Forum Options		
Enclose tables Tick this to render the forum within theme table	☒	
Forum Title Title displayed in caption if enclose tables is ticked	Cuddle Care Fan	
Enable email notification Tick this to allow your users to have the option of receiving an email when somebody replies to their post	☒	
email notification ON by default Tick this to allow make the email notification checkbox be on by default	☒	
Enable polls Tick this to allow your users to set polls in the forums - the Polls plugin must be installed to use this feature	☒	
Enable file / image attachments Allow users to upload file or image with their forum post, click here to set max file size, allowed types etc	☒	
Maximum width of uploaded image Leave blank to disable auto-resizing of images	120	
Create link to full size image Enabling this will resize larger images and also create a link to the original full size image. If disabled, original image will be discarded	☒	
Enable tracking Tick this to allow your users to track threads and be emailed when the thread is replied to	☒	
Enable Redirect Tick this to make browser redirect to forum page after replying	☐	
User Custom Title Tick this to allow users to change their Custom Title	☐	
Reported Posts Click here to email admin when someone reports a forum post	☒	
Show Tooltips Tick here to show a tooltip containing the first post of the thread when mouse hovers over thread name.	☒	
Length of tooltip This will determine the number of characters to display in the tooltip.	250	
Email prefix The text you enter will prefix the subject on any emails sent through the forum	[forum]	
Popular thread threshold Number of posts made to a thread before it is marked as popular	10	
Posts per page Number of posts displayed per page	10	
Emphasize Sticky Threads Give extra emphasis to sticky threads (separate thread sections and headers)	☒	
Update Options		

Prune

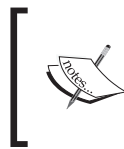
In time, your forums will grow in size. As this happens, fewer people will look at the original posts as the most current information will be at the top of the forum. Additionally, certain information becomes obsolete after a specific time. Pruning (removing) obsolete information will improve server response time and decrease storage requirements.

To solve this problem the forum comes with a tool to prune the information. This is a fantastic timesaver but you have the ability to delete huge amounts of data so it is necessary to exercise extreme caution.

With prune, we can select from any or all of the available forums to:

- Prune topics that have not had a response within a set number of days
- Delete posts completely
- Make posts inactive

The forum prune function is accessed by selecting **Prune** from the **Forum Options** menu. When you access the prune function you will see a screen that has well documented choices.



Exercise extreme care when using the prune function. Before selecting the **Carry Out Prune** button cross-check the updates you are making to make sure you didn't make any mistake.

Ranks

While we are not going to use ranks with the Cuddle Care forum you should be aware that you have the ability to assign "ranks" to users. Ranks are a means of acknowledging that certain users are more active in the forum through posts than others. When you installed the forums plugin it came preconfigured with a ranks point system. To access this screen select **Ranks** from the **Forum Options** menu. The screen will look as shown in the screenshot below:

Ranks			Forum Options
Rank Name	Threshold	Rank Image	
	number of points before level change	upload images to e107_themes/Your_Theme/forum/	» Forums Front Page
Main Site Admin		English_main_admin.png	» Create Parents
Site Admin		English_admin.png	» Create Forums
Forum Moderator		English_moderator.png	» Forum Order
	20	lev1.png	» Preferences
	100	lev2.png	» Prune
	250	lev3.png	» Ranks
	410	lev4.png	» Forum Rules
	580	lev5.png	» Reported Posts
	760	lev6.png	» Moderators
	950	lev7.png	» Tools
	1150	lev8.png	
	1370	lev9.png	
	1600	lev10.png	
Set Ranks			

You have the versatility to name these ranks to match the subject matter of your forum. Say for instance that you are making a military site you might assign the ranks of Colonel down to Private. You can assign up to 10 levels and the number of posts (points) a member must make before they advance to the next level. This encourages participation and in many cases, you will find that users who participate frequently often provide excellent responses to less frequent users. This will save you or your appointed forum administrator much time. You may also change the points and the graphics.

Forum Rules

You can create forum rules for guests, members, and administrators. In most cases everyone uses the same set of rules; however, the option is available should you desire to make distinctions. We are not going to add forum rules into our forum to save time. To create forum rules select **Forum Rules** from the **Forums Options** menu. We would then have the option of adding them in one of two manners:

- Use the built-in WYSIWYG editor and enter the information.
- Use a word processor to create the forum rules, check for spelling, and then cut and paste into the blocks for guests, members, and/or administrators as applicable.

To activate forum rules make sure to check the **Activation** box under the **Rules for Guest**, **Rules for Members**, and **Rules for Administrators**. Click the **Submit** button.

If you are uncertain as to what forum rules are, you can open your internet browser and do a search on forum rules. Most forum rules are similar.

Reported Posts

When someone reports a post, it is flagged and appears in a list under reported posts. This enables the forum administrator to view the post and take appropriate action. When we set our forum preferences we checked the block for the administrator to automatically receive an email when someone reports a post.

Moderators

The moderators menu is a fantastic tool especially if you have a large number of forums. It allows the assignment of individual moderators to a forum versus having one moderator for all forums. A good example of this in action is at the <http://www.e107.org> forums. If you view the individual forums and scroll down to the bottom of the page, you will see the moderator(s) of that forum. Moderators are forum administrators. For example they can block, move, or close threads.

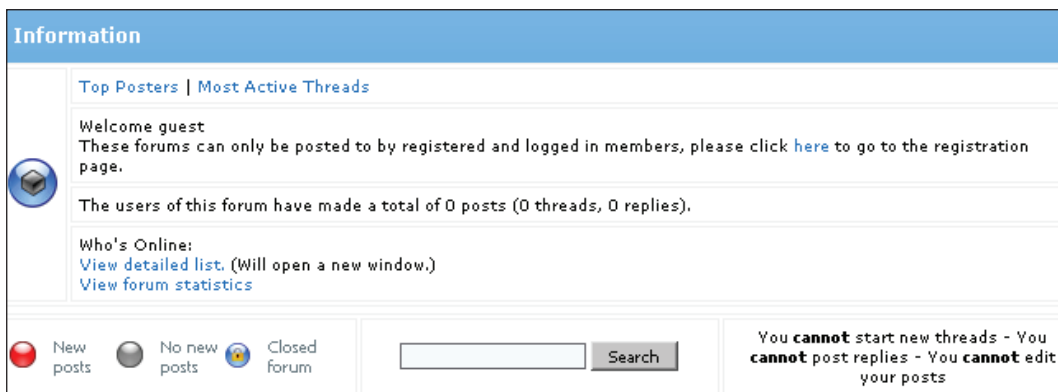
Forum Moderators are assigned by selecting **Moderators** from the **Forums Options** menu. When the moderators screen appears you will be able to assign moderator levels for each forum. In this case, the default is **Admin**, which we assigned when we created the forums at the beginning of this chapter.

Tools

The **Tools** option comes in handy for large busy forums. Select the **Tools** option from the **Forum Options** menu. Its use is primarily to instruct e107 forums to recalculate forum last post information, number of posts/replies, and forum counts. You have the option to check all of these or any number of these items as well as select the forums on which you wish the operation performed.

You are now finished installing and configuring the forum plugin. There are just a couple more things to cover, but before we do, let's take a moment to examine the differences that you can see when the forums are viewed from the end-user point of view at the various levels. To save space I am just going to show you the bottom part of the forum window. By default, you can access the forums by the main menu at the top of the screen in any mode.

- Visitors to our site can only view the forums. They do not have the ability to make posts or participate in any way without first registering. If you look at the screenshot below, just to the right of the **Search** button you will see that the forums provide this information to the viewer.



- Registered users or members logging in would see a similar screen except the permissions statement to the right of the **Search** button has changed as shown below:

The screenshot shows a forum information page for a member. At the top is a blue header with the word "Information". Below it is a navigation bar with links: [Top Posters](#) | [Most Active Threads](#) | [My Posts](#) | [My Settings](#) | [My Profile](#) | [My Uploads](#). The main content area has a welcome message: "Welcome member", "There are no new posts since your last visit.", "You last visited at Wednesday 03 January 2007 - 21:43:00", and "It is now Thursday 04 January 2007 - 21:39:39". Below this is a status bar with three icons: a red circle with "New posts", a grey circle with "No new posts", and a blue circle with "Closed forum". To the right of these icons is a search bar with a "Search" button. On the far right, a permissions box states: "You **can** start new threads - You **can** post replies - You **can** edit your posts".

- Administrators, having more responsibilities, also have more options available to them although you won't notice that from the screenshot below.

The screenshot shows a forum information page for an administrator. The layout is identical to the member page, but the welcome message says: "Welcome Administrator", "There are no new posts since your last visit.", "You last visited at Thursday 04 January 2007 - 16:41:08", and "It is now Thursday 04 January 2007 - 21:26:31". The status bar and search bar are the same. The permissions box on the right states: "You **can** start new threads - You **can** post replies - You **can** edit your posts".

You will notice the difference in the forums itself. To show you what I mean, log in as a registered user and do the following:

- Select **Forums** from the main menu.
- Select the **Miscellaneous Pet Topics** forum.
- Select the **new thread** button.
- In the **Subject** field enter **Test**.
- In the **Post** enter **Can I make this a sticky?**

- We have not yet installed we plugin so the polls will skip this for now. We will install the poll plugin in the section that follows after this.
- We have no need to upload a file so we can skip this section.
- Select **Preview** and double-check your spelling as a courtesy to those who are trying to read your post.
- Make any necessary corrections and then press the **Submit new thread** button.

Now log out as registered user, log back in as administrator and do the following:

- Select **Forum** from the top menu.
- Select **Miscellaneous Pet Topics**.
- Next to the **Test** thread you will see four colored administrator function icons as in the screenshot below. They are from left to right:
 - Delete thread: This deletes the thread.
 - Sticky thread: This makes the thread appear at the top of the forum.
 - Lock thread: This sometimes used when a thread has useful information but the responses have run their course. To keep more responses from being added the thread can be locked.
 - Move thread: This is used to move a thread from one forum to another.

Thread	Starter	Replies	Views	Latest Post
 Test    	member Thu Jan 04 2007, 09:51PM	None	4	-

Jump to forum: [Back to top](#)

This forum is moderated by: Administrator

1 user is browsing this forum at the moment (1 member, 0 guests)

 New posts
  No new posts
  Sticky
  Announcement

 New posts [popular]
  No new posts [popular]
  Sticky/Closed
  Closed thread

You **can** start new threads - You **can** post replies - You **can** edit your posts

 RSS 1
  RSS 2
  RDF

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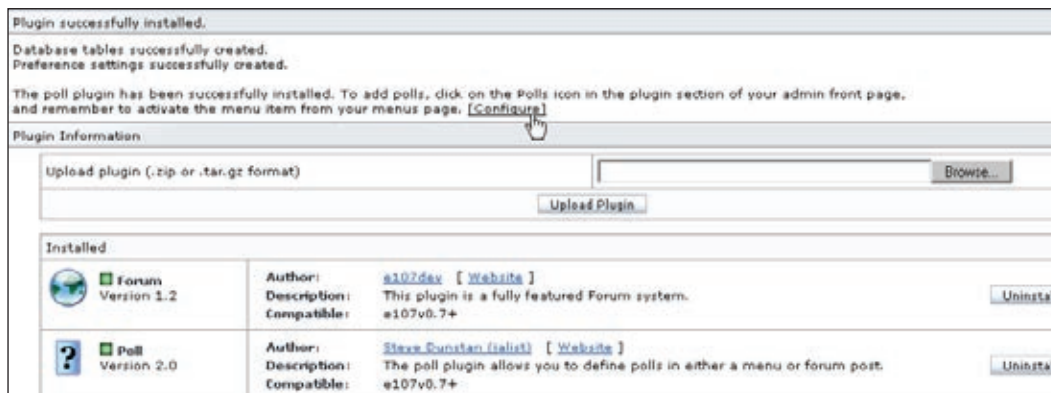
Go ahead and select the **sticky** icon. Once you click on the icon the screen refreshes and the word **[Sticky]** appears above **Test**. If you want to remove this property from the item select the **sticky** icon again and the thread will revert to a regular thread.

This is not all inclusive regarding the forum plugin but it should be enough of a primer so that you will be able to get started. For more information on the forum plugin make sure to check out both the forums at <http://www.e107.org> and the e107 Wiki at <http://wiki.e107.org>.

The Poll Plugin

The **Poll** plugin is another core plugin. It is not only a fun way to garner participation on our site but a valuable tool in collecting information. You will see in this chapter and in Chapter 7 that it can be integrated into other plugins like the Forums Plugin and Content Management. Since this is a core plugin, which was loaded as part of the e107 upload, the installation is easy.

1. Log in as administrator.
2. Select the **Plugin Manager** from the main menu (top left) or by the **Plugin Manager** icon.
3. Scroll down to **Poll** and select **Install**.
4. Select **Configure** as shown below:



Now we can configure our first poll. When you have clicked **Configure** a screen as shown in the screenshot on the next page appears.

- **Poll Question:** This field allows you to enter the poll question. We will enter, **What Type of Pet Do You Own?**
- In the **Options** field enter the following:
 - **Dog**
 - **Cat**
 - **Bird**
 - **Reptile**
 - **Other**
- **Allow multiple choices:** This field will enable you to add multiple choices since some people might have different kinds of pets. We will select the **Yes** option.
- **Show results:** This field will enable you to display results when you want. We will select the **after voting** option.
- **Allowed to vote in poll:** This field enables you to control who can vote. We will set this to **Members**.
- **Vote storage method:** We will use the last option **User ID** since only our members will be voting. If we were allowing anyone who comes to the website to vote then we would use the cookie method. A small cookie is placed in the user's browser when they place their first vote. This cookie will prevent them from repeatedly voting (or stacking the vote).
- **Allow people to post comments to poll?:** This field enables you to allow people to post comments to the poll. We will select the **yes** option.
- Select the **Preview** button.

- At the top of the screen you will see how your poll will look. If there are any mistakes, scroll down, and correct them. If there are no changes, select the **Create Poll** button at the bottom of the screen.

Create Poll

What Type of Pet Do You Own?

☐ Dog

☐ Cat

☐ Bird

☐ Reptile

☐ Other

[Submit]

Posted by Administrator
Votes: 0 [Comments: 0](#)

Existing polls

No polls yet.

Create / edit polls

Poll question:	What Type of Pet Do You Own?
Options :	Dog Cat Bird Reptile Other Add another option
Allow multiple choices?	☒ yes ☐ no
Show results	☒ after voting ☐ by clicking view results link - comments must be turned on to use this option
Allow to vote on this poll	Members
Vote storage method	☒ cookie ☐ IP address ☐ User ID (only members can vote)
Allow comments to be posted to this poll?:	☒ yes ☐ no

Preview again

Create Poll

Now that the poll is created we need to make it visible. To do this we do the following:

- Select **Content** then **Menus** from the main menu at the top left or the **Menus** icon from the administrative interface.
- In **Area 2** to the right, **deactivate** the **blogcalendar** and the **clock** menu items.

- Under the **Inactive Menus** locate **poll** and activate it in **Area 2**.
- Select **Home** from the site menu (top right part of the screen).

Your front page in the administrator's view should look as shown in the screenshot below. It will also appear similarly in the other views but the menu item will change appropriately. Just a little note before we move on to the next section: if you, or a member wanted to start a forum thread with a poll, they would now be able to check the box and create their forum poll.

Cuddle Care Animal Hospital

Professional Care with that Cuddle Care Touch

[Upload](#)
[Home](#)
[Downloads](#)
[Members](#)
[Submit News](#)
[Contact Us](#)
[Forum](#)

Welcome!

At Cuddle Care Animal Hospital, we strive to meet or exceed client expectations for animal health care, offering high quality medical choices for clients.

We provide excellent patient care, promote and foster the human-animal bond, and provide public education on health issues.

At Cuddle Care we truly provide the Cuddle Care Touch.



Welcome Administrator

» [Admin Area](#)
 » [Settings](#)
 » [Profile](#)
 » [Logout](#)

Pet of the Month



Poll

What Type of Pet Do You Own?

☐ Dog

☐ Cat

☐ Bird

☐ Reptile

☐ Other

Posted by [Administrator](#)
 Votes: 0 Comments: 0
[Previous polls](#)

Changing Themes for a More Professional Business Appearance

But now that we have begun expanding our site with plugins the front page is starting to look a bit lopsided. This is because the **Kubrick** template was designed for minimalist blog sites, and not small business applications like we are getting into. So before we go any further, we are going to change the site theme. Before we proceed I want to apologize as this will seem rather autocratic with all the steps we are going to undertake but I want to get you through this quickly so we can move on with our plugins. By now you should be getting proficient at moving around the site. Let's change some of the graphics to the **lamb** theme.

1. Select **Tools** from the top menu.
2. Select **Themes** from the drop-down menu.
3. Locate the **lamb** theme and click on the **Set As Site Theme** button.



4. Open your FTP client and connect to your site.
5. On your computer locate the file called `lamb/logo.png` from the unzipped folder that can be downloaded from the code downloads for this chapter.
6. On the server locate the directory `/public_html/e107_themes/lamb/images/` and rename the `logo.png` to `logo_bk.png`.
7. Upload the new `logo.png` file to the server.
8. Refresh your browser and you should now see the **Cuddle Care** logo in the upper-left corner of the site in place of the **e107 website** logo as shown in the screenshot below:



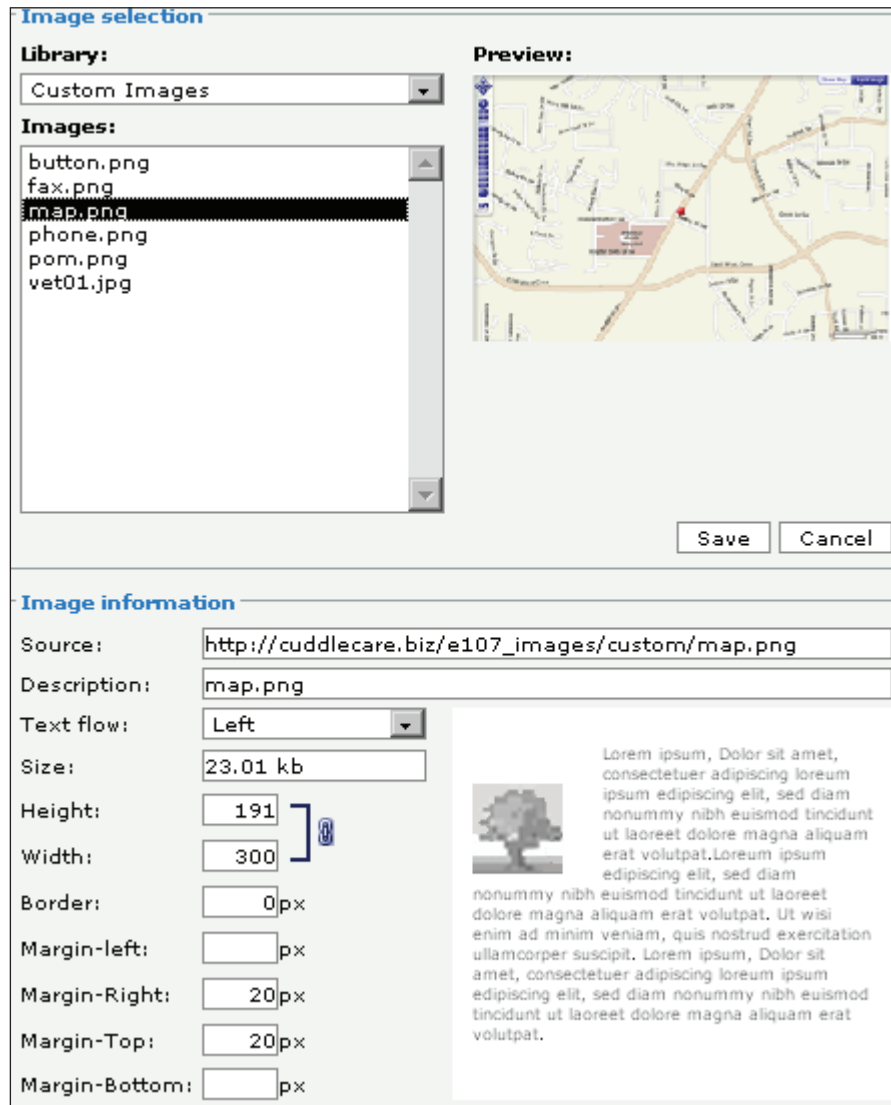
You will also notice that both the **Main Menu** and the **Welcome Administrator** menu have moved to the left side of the screen while the **Pet of the Month** and the **Poll** have stayed on the right side of the screen. This is because **Area 1** has moved to the left side while **Area 2** is on the right side. Let's make a couple of quick cosmetic changes before installing more plugins:

1. Select **Menus** from the administrative interface.
2. Move **Pet of the Month** down below **Poll**.
3. Select **Content | Customer Menus/Pages** from the main menu at the top left.
4. Select the **Edit** icon available under the **Options** column for the title **Pet of the Month**.
5. Left-click on the picture of the dog and align it to the center position.
6. Select **Update Menu**.

We will now move further to update the information in the welcome message. Additionally we will also insert some images in the message. Let's do the following:

1. Select **Content | Welcome Message**.
2. Select the **Edit** icon for the **Cuddle Care Welcome Message**.
3. Select the existing text and set the font size to **4(14 pt)**.
4. Move the cursor to the right of the last text entry and click on your *Enter* key five times.
5. Open your FTP client and upload the `map.png`, `phone.png`, and `fax.png` files from the downloaded graphics file to `/public_html/e107_images/custom/`.
6. Insert the `map.png` and modify the setting **Text flow** to **Left**.
7. Set **Margin Right** to **20 px**.

8. Set **Margin Top** to **20 px** and click the **Save** button. (See the screenshot below.)



9. Now to the top-right corner of the **map.png** image select the **text align right icon** from the WYSIWYG editor.
10. Enter below the image the text **Address: 3878 Austell Road, Austell GA** [map] and press *Enter*.
11. Next insert the **phone.png** graphic, setting only the **Margin Right** to **10 px** and **Save**.

12. Enter below the image the text **Phone: 770-434-0311** and click *Enter* twice.
13. Insert the **fax.png** graphic, setting only the **Margin Right** to **10 px** and **Save**.
14. Enter below the image the text **Fax: 770-434-0312**, click *Enter* twice, and enter the following information:

Our Hours

Monday, Tuesday, Thursday and Friday from 8am to 3pm

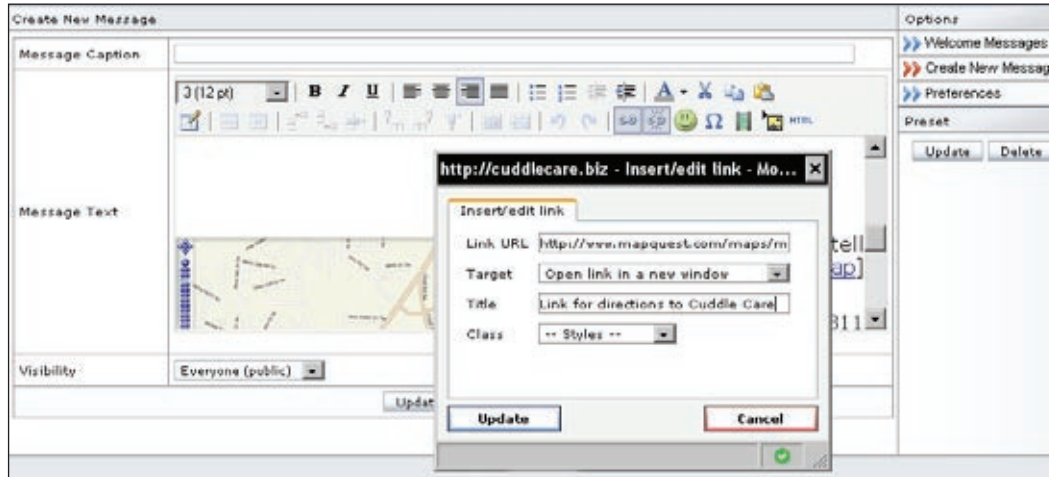
Saturdays 8am to 12pm

Closed Wednesdays and Sundays

15. Select **Text Align Center** and enter: **We gladly accept walk-ins as well as appointments and always welcome new patients!**

Now insert a map in the following manner:

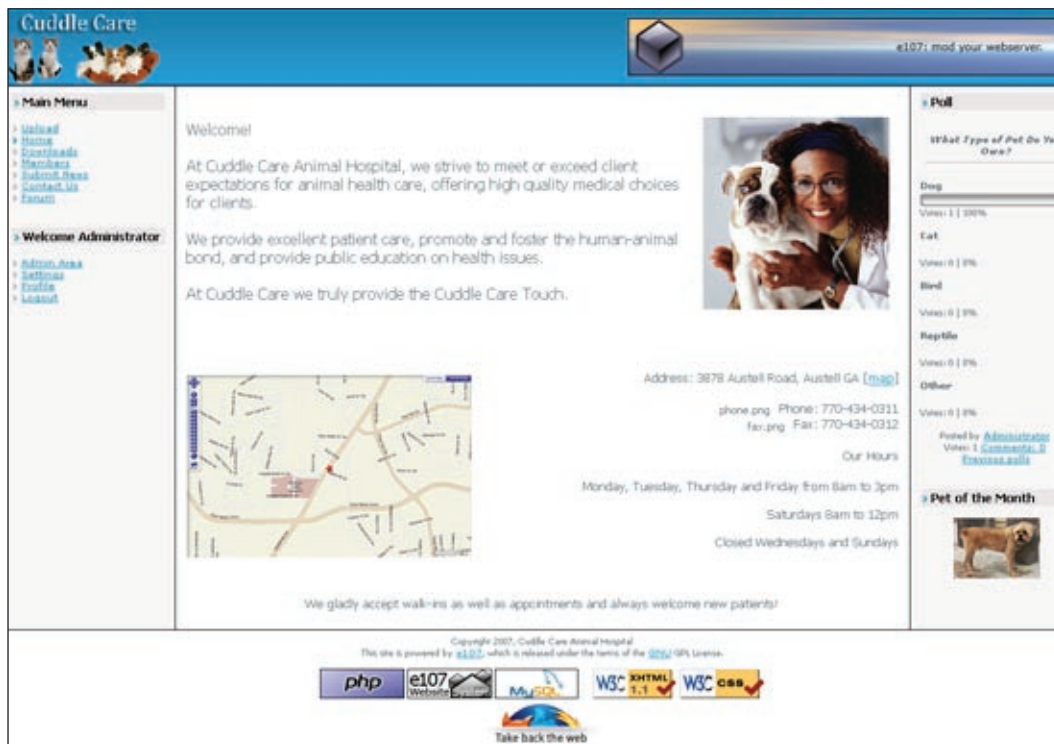
1. Move to the **Address** section and select the word **map**.
2. Open up a browser tab or window and go to <http://www.mapquest.com> and enter the information in the street address, city, and state fields for Cuddle Care.
3. When the map appears, copy the URL (Browser address) from the address bar.



4. Now switch back to the browser window showing our website that has the word **map** highlighted. From the WYSIWYG editor select the **link** icon. It looks like a chain link. (See the screenshot above.)
5. Paste the URL you copied from **Mapquest** in the **Link URL** field.

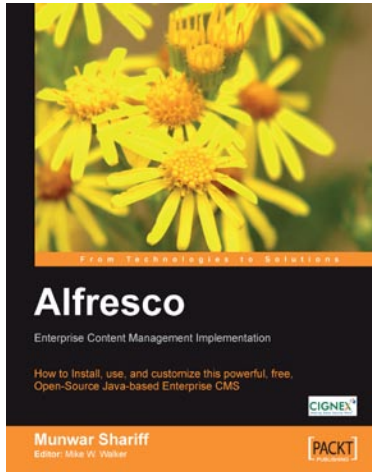
6. For **Target** select the **Open Link in a New Window** option from the drop-down menu.
7. For **Title** enter **Link for directions to Cuddle Care**.
8. Select the **Update** button.

When you select **Home** from the main menu your screen should look as shown below:



Summary

In this chapter we learned about user classes, what they are, how to assign them, and how to use them. We also learned how to set up forums using the forum plugin giving you a basic understanding of how information is entered, stored, organized, and presented. We learned how to configure the poll plugin so we can conduct polls not only to garner interest and participation in our site but also to gain valuable information that may help us market our products and services better. As our site began to grow with more business features we learned that we needed to adapt our theme to better accommodate all the new features and learned how to change default graphics with our own graphics.

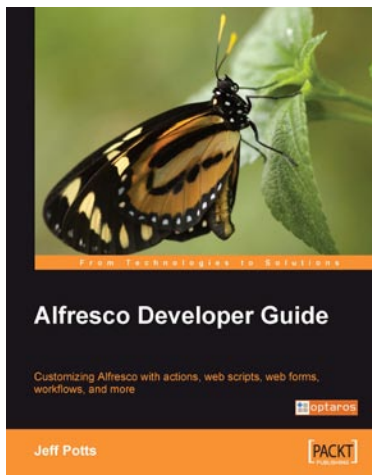


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7

Adding Content to e107

One of the things that all content management systems have in common is the ability to store, organize, and present large amounts of information. The factor that makes e107 unique is its ability to do this in a number of ways. However, since I conducted a little poll of my own, we have decided to concentrate our efforts on using a core e107 plugin called Content Management. In this chapter we also cover another core plugin called links.

Content Management Plugin

The Content Management plugin is a core plugin and is a very powerful and versatile plugin. Before we get started let's clear up a question that always seems to come up. Why does a content management system need a content management plugin? The plugin is simply named content management. It could have been called content organizer, site content manger, or any number of other names. The plugin is a module of programming code that stores and organizes content. The plugin does not have to be installed for e107 to manage content but, as you will see, this plugin is a very powerful system that makes managing content very easy.

In the following parts of the chapter we are going to learn briefly the key features of the Content Management Plugin. In some parts the link to the corresponding section of the WIKI <http://wiki.e107.org> is provided for reference purposes. There is also additional information to be found in the e107 Forums at <http://www.e107.org>. The powerful, versatile, and incomprehensible number of configurations available would take more pages than this entire book, so we will cover only a cursory use of the plugin and leave you to explore its versatility.

Key Features

Built-in Template System for Content Pages

The built-in template system allows an administrator to use an unlimited series of templates. It also allows an administrator to code any article to their liking. Since the templates are saved easily, they can also be referred to again using a drop-down menu in the fill-in area. More information regarding the template system can be found at http://wiki.e107.org/?title=Content_Management_Templates.

Preset and Custom Tag Capabilities

The automation of certain elements of your content is made possible by preset and custom tags. You already learned a little about preset tags when you viewed the **Menus** option under the administrative interface. Some of the examples of preset tags are { site info }, { area 1 }, { area 2 }, { main menu }, and { footer }. The Custom tags can be assigned a value and are great for storing values that are repeated throughout content. For more information and a list of available tags see: http://wiki.e107.org/?title=Content_Management_PresetCustomTags.

Menu System

When you install the CM plugin it incorporates **Custom Menus/Pages** into it so you are able to create menus linked to categories while controlling the different kinds of output. The menus have the capability of dynamically incorporating information on recent additions and too many other functions to cover in this limited space.

For more advanced users who need a greater degree of individualization, the menu system creates a PHP file, which can be modified. More information about the menu system can be found at http://wiki.e107.org/?title=Content_Management_Options.

Advanced Sorting System

Another great feature of CM is the advanced sorting system. What makes it so great is that you can sort one category one way, a second category a different way, and just about any other combination you can think of. No longer are you stuck with just one way of sorting. More information on this can be found at http://wiki.e107.org/?title=Content_Management_Order.

Personal Content Manager

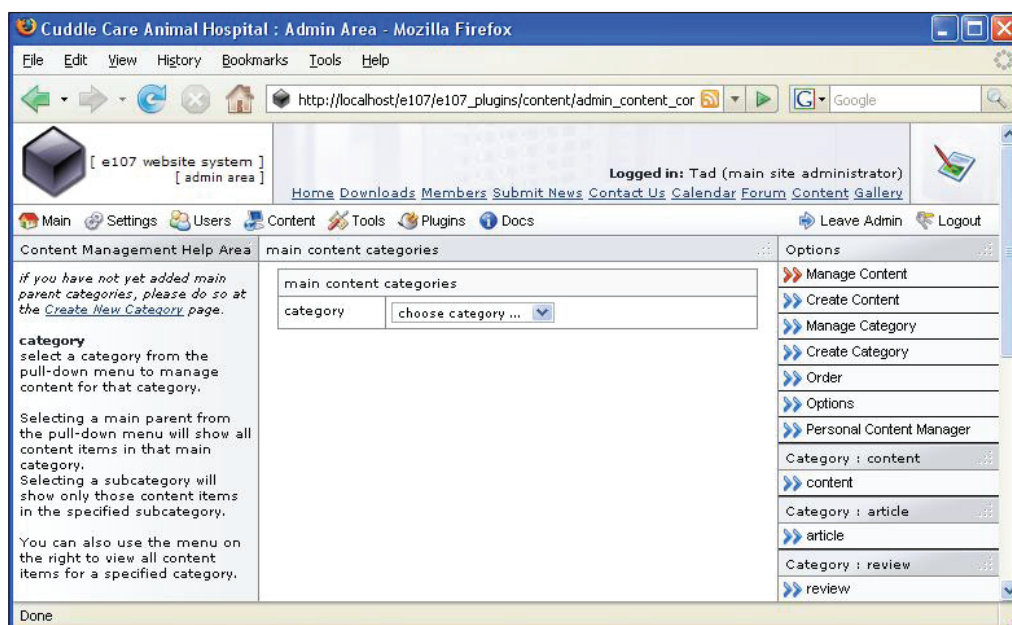
Through assignment of user classes, which we learned about in Chapter 6, the Personal Content Manger feature allows all approved users to access, create, or edit content without the need for them to become system administrators. For more information on this feature see http://wiki.e107.org/?title=Content_Management_Personal_Content_Manager.

Options

There are so many options available under the options section that you may feel overwhelmed, strike that, you will feel overwhelmed. At this point even the WIKI has limited information but what it does have could fill up this chapter, so for more information go to http://wiki.e107.org/?title=Content_Management_Options.

Installation and Configuration

As the Content Management plugin is a core plugin, it is already available for activation. Log in as administrator, select either the **Plugins Manager** icon or from the top-left menu select **Plugins | Plugin Manager**, locate **Content Management** and click on the **Install** button. You will see a **Plugin successfully installed** message once the plugin is successfully installed. Click on the **Configure** link and you will then be presented with the Content Management configuration screen that looks as shown in the screenshot below:



You will notice that the screen is divided into three sections:

- The left side provides a brief explanation of the screen being shown. This corresponds with the selection of the menu item on the right side of the screen.
- In the center of this screen, you will see a drop-down menu with the following choices:
 - **content**
 - **article**
 - **review**
- On the right side there is a menu that contains the various configuration templates.

Before we go any further, let's stop for a moment. If you have a small site and will have only a few articles like we will have at Cuddle Care the layout is pretty simple. We can use the same categories and sub-categories that we used for the forums in the previous chapter. Cuddle Care has no need for various authors or administrators so the setup is very easy.

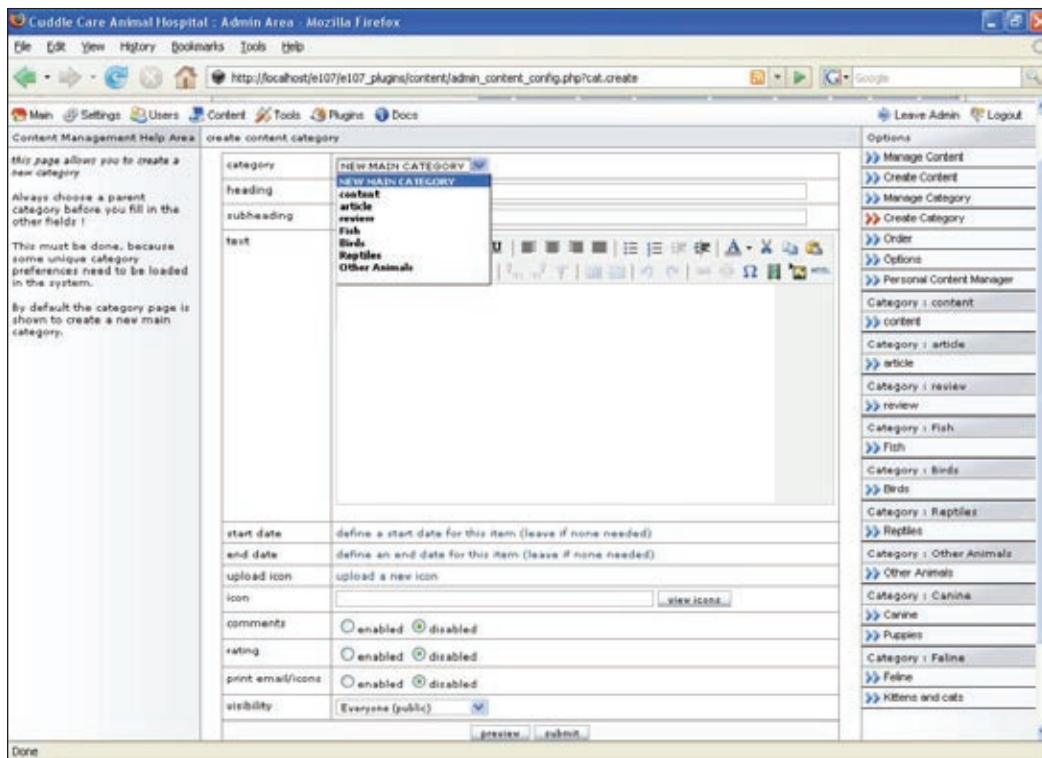
But say for instance, our publisher wanted to use the content management plugin, we would need to sit down and plan out the various categories, sub-categories, who has access, who can edit, who can approve, and who can delete. For very small organizations this might be done on a piece of paper but for a large organization or an organization where there will be lots of content, a program such as Microsoft's Visio might be preferable. There is a great primer at http://wiki.e107.org/?title=HOWTO:Get_Started_With_the_Content_Management_Plugin on this subject that I will defer to as we can only touch briefly on this plugin.

Creating a New Category

If we are going to use the same categories and sub-categories as we did for our forum, then we first need to create our categories. The only difference between Content Management and forums is that we do not need to create an empty container first, except for **Dogs and Puppies** which we will name **Canines**, and **Cats and Kittens** which we will name **Feline**. So let's create our main categories first:

- Select **Create Category** from the **Options** menu on the right side of the screen.
- **heading:** This will allow you to enter the heading for the category. We will enter **Birds**.

- **subheading:** This will allow you to enter the sub-heading for the category. We will enter **Information about Birds**.
- Skip down to **icon** and select the **view icons** button. Select the icon with the name `ledlightgreen.png`.
- **comments:** This when enabled will allow you to display comments. We will select the **enabled** option.
- **rating:** This when enabled will allow you to display rating. We will select the **enabled** option.
- **print email/icons:** This when enabled will allow you to print email or icons. We will select the **enabled** option.
- **visibility:** We will leave this set to **Everyone (public)**.
- Select the **submit** button.
- Repeat the above procedure for the following:
 - **Fish**
 - **Reptiles**
 - **Other Animals**
- Now we have to create containers for both the **Canines** and the **Feline** categories.
 - **heading:** We will enter **Canines**.
 - **subheading:** We will enter **Information about Dogs and Puppies**.
 - Skip down to **icon** and select the **view icons** button. Select the second icon, which is the red icon `ledred.png`.
 - **comments:** We will select the **disabled** option.
 - **rating:** We will select the **disabled** option.
 - **print email/icons:** We will select the **disabled** option.
 - **visibility:** We will leave this setting to **Everyone (public)**.



- Now we create our sub-categories for **Dogs** and **Puppies** by doing the following from the **Create Category**:
 - **Category**: From the drop-down menu select **Canines** as shown in the screenshot in the next page. A new screen will appear enter information as follows:
 - **heading**: We will enter **Puppies**.
 - **subheading**: We will enter **Information about puppies**.
 - Skip down to **icon** and select the **view icons** button. Select the first icon which is the `ledlightgreen.png`.
 - **comments**: We will select the **enabled** option.
 - **rating**: We will select the **enabled** option.
 - **print email/icons**: We will select the **enabled** option.
 - **visibility**: We will leave this setting to **Everyone (public)**.
 - Select the **submit** button.

The screenshot shows a web application interface for creating a content category. The main form has the following fields and values:

- category:** Canines (selected from a drop-down menu)
- heading:** Puppies
- subheading:** Information about Puppies
- text:** A large text area with a rich text editor toolbar.
- start date:** define a start date for this item (leave if none needed)
- end date:** define an end date for this item (leave if none needed)
- upload icon:** upload a new icon
- icon:** A button labeled "view icons"
- comments:** enabled (radio button selected)
- rating:** enabled (radio button selected)
- print email/icons:** enabled (radio button selected)
- visibility:** Everyone (public) (selected from a drop-down menu)

At the bottom of the form are "preview" and "submit" buttons. On the left, there is a "Content Management Help Area" with instructions. On the right, there is a sidebar with a tree view of categories, including "Canines", "Puppies", "Feline", "Kittens and cats", etc.

- **category:** Select **Canines** from the drop-down menu.
- **heading:** We will enter **Dogs**.
- **sub-Heading:** We will enter **Information about dogs**.
- Skip down to **icon** and select the **view icons** button. Select the first icon, which is `ledlightgreen.png`.
- **comments:** We will select the **enabled** option.
- **rating:** We will select the **enabled** option.
- **print email/icons:** We will select the **enabled** option.
- **visibility:** We will leave this set to **Everyone (public)**.
- Select the **submit** button.
- Repeat the above procedure creating the main category for **Feline** and then the sub-categories for **Kittens** and **Cats**.

When you are done, select **Manage Category** from the options menu and your screen should show your categories and sub-categories as shown below. You may also notice that these categories and sub-categories are also shown on the right side in the **Options** menu column.

content categories					Options
id	icon	author	content category	options	
1		Administrator	content	 	 Manage Content
2		Administrator	article	 	 Create Content
3		Administrator	review	 	 Manage Category
7		Administrator	Birds [Information about Birds]	 	 Create Category
8		Administrator	Fish [Information about Fish]	 	 Order
9		Administrator	Reptiles [Information about Reptiles]	 	 Options
10		Administrator	Other Animals [Information about animals without categories]	 	 Personal Content Manager
					Category : content
					 content
					Category : article
					 article
					Category : review
					 review
					Category : Fish
					 Fish
					Category : Birds
					 Birds
					Category : Reptiles
					 Reptiles
					Category : Other Animals
					 Other Animals
					Category : Canines
					 Canines
					 Puppies
					Category : Feline
					 Feline

Changing the Order of Categories

We have created our categories and sub-categories but we would like to present them in a different order than the one in which we entered them. Not a problem! From the options menu select **Order** and a screen as shown below appears:

new order for content items is saved							Options
							>> Manage Content
							>> Create Content
order categories							>> Manage Category
							>> Create Category
							>> Order
							>> Options
							>> Personal Content Manager
							Category : content
							>> content
							Category : article
							>> article
							Category : review
							>> review
							Category : Birds
							>> Birds
							Category : Fish
							>> Fish
							Category : Reptiles
							>> Reptiles
							Category : Other Animals
							>> Other Animals
							Category : Canines
							>> Canines
							>> Dogs
							>> Puppies
							Category : Feline
							>> Feline
							>> Kittens
							>> Cats

id	icon	author	content category	items	move	order
1		Administrator	content (0 items)		↓	1
2		Administrator	article (0 items)		↑ ↓	2
3		Administrator	review (0 items)		↑ ↓	3
7		Administrator	Birds [Information about Birds] (1 item)		↑ ↓	4
8		Administrator	Fish [Information about Fish] (1 item)		↑ ↓	5
9		Administrator	Reptiles [Information about Reptiles] (0 items)		↑ ↓	6
10		Administrator	Other Animals [Information about animals without categories] (0 items)		↑ ↓	6

11		 Administrator	 Canines [Information about Dogs and Puppies] (0 items)		7
22		 Administrator	 _Dogs [Information About Dogs] (0 items)		1
21		 Administrator	 _Puppies [Information About Puppies] (0 items)		2
14		 Administrator	 Feline [Information about Felines] (0 items)		8
15		 Administrator	 _Kittens [Information about kittens] (0 items)		1
16		 Administrator	 _Cats [Information about cats] (0 items)		1

We are going to move the original three categories to the bottom of the list and change the order of our categories to alphabetical. This is done by changing the numbers in the drop-down list in the order column. For our purposes, the order we assign from top to bottom is: 7, 8, 9, 1, 4, 5, 6, 2, 1, 1, 3, 1, and 1. When you have made these changes, select the **update order** button and your screen will look as shown opposite:

order categories							Options
id	icon	author	content category	items	move	order	Manage Content Create Content Manage Category Create Category Order Options Personal Content Manager
1		Administrator	content (0 items)		↓	7	Category : content content
2		Administrator	article (0 items)		↑ ↓	8	Category : article article
3		Administrator	review (0 items)		↑ ↓	9	Category : review review
7		Administrator	Birds [Information about Birds] (1 item)		↑ ↓	1	Category : Birds Birds
8		Administrator	Fish [Information about Fish] (1 item)		↑ ↓	4	Category : Fish Fish
9		Administrator	Reptiles [Information about Reptiles] (0 items)		↑ ↓	5	Category : Reptiles Reptiles
							Category : Other Animals Other Animals
10		Administrator	Other Animals [Information about animals without categories] (0 items)		↑ ↓	6	Category : Canines Canines Dogs Puppies
							Category : Feline Feline Kittens Cats

11		Administrator	 Canines [Information about Dogs and Puppies] (0 items)	 	2
22		Administrator	 _Dogs [Information About Dogs] (0 items)		1
21		Administrator	 _Puppies [Information About Puppies] (0 items)		1
14		Administrator	 Feline [Information about Felines] (0 items)	 	3
15		Administrator	 _Kittens [Information about kittens] (0 items)		1
16		Administrator	 _Cats [Information about cats] (0 items)		1



For those of you who haven't thought of it when you were creating the categories. If you haven't see the possibilities just yet, you could have a site with content for the customers, suppliers, sales and management simply by creating user groups and assigning user groups to particular categories and sub-categories.

Managing Categories

From time to time you will need to delete or edit your categories. If we didn't have the ability to do this then it would not be much of a content manager. These are very simple operations.

Deleting a Category

Deleting a category is a simple procedure. You can select **Manage Category** from the **Options** menu, locate the category you wish to delete, and click on the **delete** icon. A warning will pop up on your screen alerting you to the fact that only empty categories can be deleted. If the category was empty, you would click the **OK** button. If the category contained content, the content would either have to be moved to a different category or deleted before proceeding.

Editing a Category

To edit a category, select **Manage Categories** from the **Options** menu, locate the category you wish to edit, and click on the **edit** icon. The edit screen will appear. Make any necessary changes and finish by selecting the **update** button.

Creating Content

Creating content is very similar to creating categories. We are going to create some test articles so you can see how this works. Select the **Create Content** option from the **Options** menu. When the content screen appears do the following:

- **category:** Select **Puppies** from the drop-down menu and wait for the screen to refresh.
- **heading:** We will enter **Test**.
- **subheading:** We will enter **Test**.
- **summary:** We will enter **Test**.
- **text:** We will enter **Test**.
- **author details:** Leave as default (but if you are reprinting an article you would change this to the appropriate information).
- **start date:** If you want the content to appear right away skip over this option. Optionally you can prepare your content in advance and specify a start date, which comes in handy for holiday information, special sales, or information that is only applicable during a certain time of the year.
- **end date:** If you want the content to appear indefinitely, skip over this option. If the content is valid for a limited time you can specify an end date.
- **comments:** If you want people to be able to comment about the content you would enable this option. It is disabled by default.
- **rating:** If this is enabled, the plugin will rate the content based on the number of times it is accessed. This option is disabled by default.

- **print email/ icons:** If this is enabled, the print and email icons will appear with the article enabling a person to print or email the content. This option is disabled by default.
- **visibility:** By default this is set to **Everyone (public)**. To change who can view the content select the appropriate user group from the drop-down menu.
- **score:** You can assign an initial score of 1 to 100. When users view the content they will be able to rate the content with the drop-down menu.

When you have completed all of the fields, your screen should look as shown in the screenshot below:

create content item	
category	Puppies
heading	Test
subheading	Test
summary	Test
text	Font size .. B I U List Link Image Table Code Undo Redo Fullscreen Smiley Omega HTML Test
author details	(leave if item written by you) name Administrator email admin@cuddlecare.biz
start date	define a start date for this item (leave if none needed)
end date	define an end date for this item (leave if none needed)
comments	☐ enabled ☒ disabled
rating	☐ enabled ☒ disabled
print email/icons	☐ enabled ☒ disabled
visibility	Everyone (public)
score	select a score ...
preview create content item	

Now select the **preview** button and check your entries. (It is always a good practice to use this button before actually creating content.) Make any necessary changes and when you are satisfied that the information is correct, select the **create content item** button.

Now create some random content and don't be afraid to experiment with the different options. You can enter as much information as is necessary to satisfy your curiosity about different features.

Managing Content

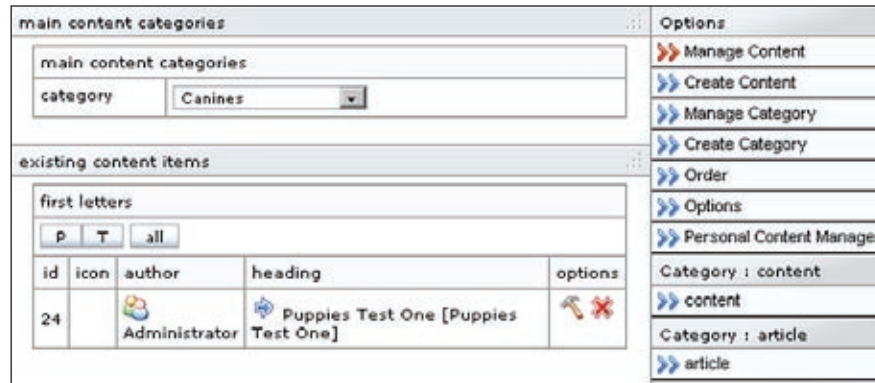
I created two test pieces of content under **Puppies** and I want to edit the title of one of the articles. There are two ways we can access the screen to manage our content.

- The quickest way is to look down the **Options** menu and click on **Puppies**.
- The second way is to select the **Manage Content** option from the **Options** menu and select **Puppies** from the drop-down menu.

You will then be taken to a list of existing content articles. You will notice some buttons right under the word **first letters** (locate the cursor in the screenshot below). These letters correspond to the first letter of the content heading.

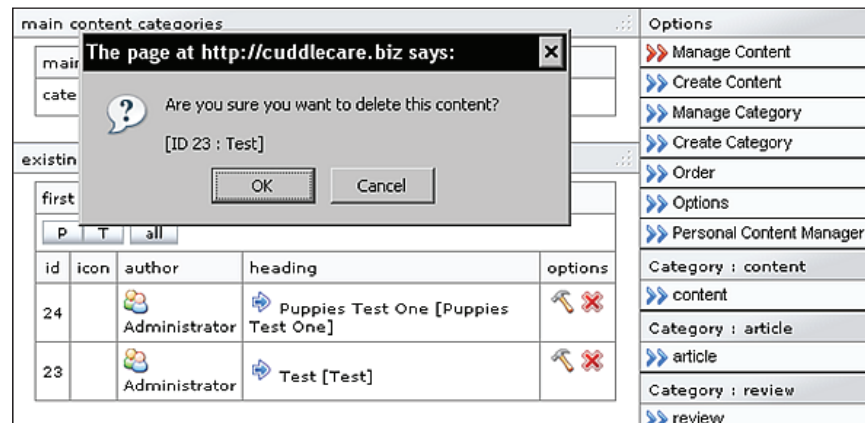
main content categories					Options
main content categories					>> Manage Content
category	Canines				>> Create Content
					>> Manage Category
					>> Create Category
existing content items					>> Order
first letters					>> Options
P T all					>> Personal Content Manager
id	icon	author	heading	options	Category : content
24		Administrator	Puppies Test One [Puppies Test One]	 	>> content
23		Administrator	Test [Test]	 	Category : article
					>> article
					Category : review
					>> review

If you select the letter **P** button the screen would filter the articles and display only the ones that start with the letter **P** as shown below. To view all of the content again you would select the **all** button.



Deleting Content

Deleting content is a simple procedure. Select the **Manage Content** option from the **Options** menu, locate the content you wish to delete, and click on the **delete** icon. A warning will pop up on your screen confirming the delete process as shown in the screenshot below. Select **OK**.



Editing Content

To edit a content item, select the **Manage Content** option from the **Options** menu, locate the content you wish to edit, and click on the **edit** icon. The edit screen will appear. Make any necessary changes and finish by selecting the **update content item** button.

Let's take a moment to see how all these changes have affected the front end of our site. Open up a new browser window and select the **Content option** from the main menu. Your screen will appear as shown below. The number of content items will vary depending upon how many test items you created but you can see the differences.

The screenshot displays the 'Cuddle Care' website's content management interface. The header features the site logo, a banner with a cat and the text 'PETS 911 CAN HELP!', and a 'Pets911' logo. The main content area is divided into three columns:

- Main Menu:** Contains links for Upload, Home, Downloads, Members, Submit News, Contact Us, Forum, Calendar, Content, List, Site Stats, Online Store, Classifieds, FAQ, and Gallery. Below this is a 'Welcome Administrator' section with a message about the maintenance flag and links to Admin Area, Settings, Profile, and Logout. A 'Newsletter' section for 'Dog Fancy Monthly' includes a subscribe button. An 'RSS Feeds' section shows links for RSS 1, RSS 2, and RDF.
- content types:** A table listing various content categories with their respective counts and links to manage them.

Category	Count	Links
Birds	1 item	[categories] [authors] [archive] [top rated] [top score] [recent]
Canines	2 items	[categories] [authors] [archive] [top rated] [top score] [recent]
Feline	0 items	[categories] [authors] [archive] [top rated] [top score] [recent]
Fish	1 item	[categories] [authors] [archive] [top rated] [top score] [recent]
Reptiles	0 items	[categories] [authors] [archive] [top rated] [top score] [recent]
Other Animals	0 items	[categories] [authors] [archive] [top rated] [top score] [recent]
content	0 items	[categories] [authors] [archive] [top rated] [top score] [recent]
article	0 items	[categories] [authors] [archive] [top rated] [top score] [recent]
review	0 items	[categories] [authors] [archive] [top rated] [top score] [recent]

 Below the table is a 'personal content manager' link and a button to 'click here to manage your personal content.'
- Poll:** A poll titled 'What Type of Pet Do You Own?' with options for Dog, Cat, Bird, Reptile, and Other. The results show 1 vote for Dog (50%) and 1 vote for Cat (50%). Below the poll is a 'Pet of the Month' section featuring a photo of a dog.

The footer contains copyright information for 2007, a notice about the e107 GPL license, and logos for php, e107 Website System, MySQL, W3C XHTML 1.1, and W3C CSS. A 'Take back the web' logo is also present.

We haven't even begun to show you the real power of this plugin. This is only the most basic function. The true power of this plugin is in its templating system. Take some time and get to know e107, getting familiar with its various functions, and when you feel like spreading your wings make your first stop by searching the **How To: Get Started With the Content Management Plugin** topic at <http://wiki.e107.org>.

PDF Creation Plugin

The PDF (Portable Document Format) creation plugin allows your users to save articles and pages of your website in PDF Format. In the simplest terms, a PDF document is saved or printed exactly as it appears on your screen. If you would like to learn more about PDF documents you can go to http://en.wikipedia.org/wiki/Portable_Document_Format. To use the PDF plugin we need to do the following:

- From the administrative interface select **Plugin Manager**.
- Locate the **PDF** plugin and select the **Install** button.
- Click on the **Configure** link under the successfully installed message.
- Select the settings that you desire. Usually the default settings are what you will want to use (see the screenshot below).
- Select the **update** button.

PDF preferences	
page margin left	25
page margin right	15
page margin top	15
font family	arial 
font size default	8
font size sitename	14
font size page url	8
font size page number	8
show logo on pdf?	☒ enabled ☐ disabled
show sitename on pdf?	☐ enabled ☒ disabled
show creator page url on pdf?	☒ enabled ☐ disabled
show page numbers on pdf?	☒ enabled ☐ disabled
error reporting	☒ enabled ☐ disabled
update	

Now that the plugin has been installed, open up another browser window to the front end of our site and select one of the content articles that we just created. You will now notice the **PDF icon** next to the email and print icons as shown in the screenshot below:



The Coppermine Plugin

They say a picture is worth a thousand words and that is definitely true when it comes to animals. Our website will include ample of pictures of animals, and to accommodate them we require a powerful gallery plugin. A quick trip to <http://www.e107coders.org> and you can see there are several plugins from which to choose. If you are going to have a large number of photographs, I definitely recommend the Coppermine Image-Gallery plugin, which is a non-core plugin adapted from another open-source program called Coppermine Photo Gallery <http://coppermine-gallery.net/>.

Installing the Coppermine Plugin

If you have not done so yet, download the most recent Coppermine plugin from the <http://www.e107coders.org> site and unzip the plugin. Locate the folder called docs and you will see a README.html and a PDF file called manual. The readme document contains a brief overview on installation, setup, and known security issues. The manual is in Portable Document Format so you will need to have a program like Adobe Acrobat Reader (<http://www.adobe.com/products/reader/>) to view the file. I strongly suggest that you view it.

Like all plugins you have the option of using the plugin upload method from the **Plugins Manager** or expanding the files on your computer and then uploading the folder called coppermine_menu to the /public_html/e107_plugins/ directory.

From the administrator toolbar select **Plugin | Plugin Manager** or from the administrative interface select the **Plugin Manager** icon. Browse the list of uninstalled plugins until you see **Coppermine**. Click on the **Install** button. When completed you will see a screen that looks like the screenshot below:

Plugin successfully installed.
Database tables successfully created. Preference settings successfully created. Coppermine is now installed. It should have created a link called 'Gallery' in your main menu. As an admin, when you go to a coppermine page it will automatically make sure you have the correct permissions set in your directories. Please go to the coppermine admin 'config' area and fix any errors that are seen. Also: * Edit your coppermine 'groups' area as needed, * Make sure that you create at least one album or you won't be able to do anything :) * Give users ('visitors') appropriate permission to upload to albums. [Configure]



IMPORTANT – Make sure you follow these steps!

Down at the bottom of the screen you will see the following notice:

Please go to the coppermine admin 'config' area and fix any errors that are seen.

Also:

- * Edit your coppermine 'groups' area as needed,
- * Make sure that you create at least one album or you won't be able to do anything :)
- * Give users ('visitors') appropriate permission to upload to albums.

I can tell you from looking at the support requests that failure to following those steps will cause you many hours of frustration trying to figure out why things will not work.

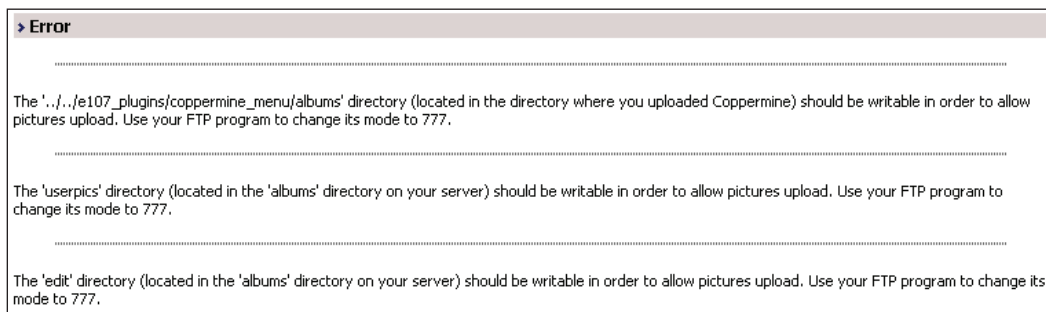
Click on the **Configure** link.

Coppermine Configuration

The first thing you need to do is to select the **Coppermine Config** option from the **CPG Config** menu on the right side of your screen. Upon selection, you will see an error page but don't panic! It is alerting you that in order to use the plugin, you will have to change the permissions (CHMOD) on some folders contained within the plugin, just as we did in back in Chapter 2.

Always change the folders as per the instructions that are show on your installation screen. It will look similar to the screen below, which is showing version **1.35C**, the latest version at the time of publication. Make the following changes:

- The `../../e107_plugins/coppermine_menu/albums` directory (located in the directory where you uploaded Coppermine) should be writable in order to allow uploading pictures. Use your FTP client to change its permissions to 777.
- The `../../e107_plugins/coppermine_menu/albums/userpics` directory (the `userpics` folder is located in the `albums` directory on your server) should be writable in order to allow uploading pictures. Use your FTP client to change its mode to 777.
- The `../../e107_plugins/coppermine_menu/albums/edit` directory (the `edit` folder is located in the `albums` directory on your server) should be writable in order to allow uploading pictures. Use your FTP client to change its mode to 777.



Once you have changed the folder permissions, return to your browser, and refresh it. Your screen will now show the actual configuration screen below.

The screenshot shows the 'Cuddle Care Animal Hospital Photo Gallery - Your online photo album' configuration interface. At the top, there are navigation buttons: 'Album list', 'My gallery', 'User mode', 'Upload file', 'Last uploads', 'Last comments', 'Most viewed', 'Top rated', 'My Favorites', and 'Search'. Below this is the 'Admin Menu' section with buttons for 'Upload approval', 'Config', 'Albums', 'Categories', 'Users', 'Groups', 'Ban Users', 'Display Ecards', 'Review Comments', 'Batch add files', and 'Admin Tools'. The 'Admin Tools' button is highlighted. The main configuration area is titled 'Configuration - Coppermine Photo Gallery 1.3.5' and contains a 'General settings' section with the following fields: 'Gallery name' (Cuddle Care Animal Hospital Photo Gallery), 'Gallery description' (Your online photo album), 'Gallery administrator email' (admin@cuddlecare.biz), and 'Target address for the 'See more pictures' link in e-cards' (http://www.cuddlecare.biz/e107_plugins/coppermine_menu).

- Under the section called **Admin Menu** select, the **Admin Tools** button.
- Scroll all the way to the bottom of the page and select the **Update Database (1)** link.
- On the next screen, you will be presented with a list of the tables that were checked and updated. If you see any error messages and do not understand them, go to the forums at <http://www.e107coders.org> and search on the error message. If everything is OK you will see a status message at the bottom of the page intimating to you that the Coppermine is updated and ready to roll.

Coppermine Photo Gallery	
Performing Database Updates	
CREATE TABLE IF NOT EXISTS e107_CPG_filetypes (extension char(7) NOT NULL default "", mime char(30) default NULL, content char(15) default NULL, KEY extension (extension)) TYPE=MyISAM COMMENT='Used to store the file extensions'	OK
ALTER TABLE `e107_CPG_filetypes` DROP INDEX `EXTENSION`, ADD PRIMARY KEY (`extension`)	Already Done
INSERT INTO e107_CPG_filetypes VALUES ('jpg', 'image/jpg', 'image')	Already Done
INSERT INTO e107_CPG_filetypes VALUES ('jpeg', 'image/jpeg', 'image')	Already Done
INSERT INTO e107_CPG_filetypes VALUES ('jpe', 'image/jpe', 'image')	Already Done
INSERT INTO e107_CPG_filetypes VALUES ('gif', 'image/gif', 'image')	Already Done
INSERT INTO e107_CPG_filetypes VALUES ('png', 'image/png', 'image')	Already Done
INSERT INTO e107_CPG_filetypes VALUES ('psd', 'image/psd', 'image')	Already Done
INSERT INTO e107_CPG_filetypes VALUES ('bmp', 'image/bmp', 'image')	Already Done
INSERT INTO e107_CPG_filetypes VALUES ('jpc', 'image/jpc', 'image')	Already Done
INSERT INTO e107_CPG_filetypes VALUES ('jp2', 'image/jp2', 'image')	Already Done
INSERT INTO e107_CPG_filetypes VALUES ('ipx', 'image/ipx', 'image')	Already Done

- Now that we have checked the database and tables, click on the **Let's continue!** link and continue setting up. When the next screen appears, select the **Config** button under the **Admin Menu** section. When the next screen appears you will notice that the screen comes preconfigured. For most of the options, you will not need to change these settings but let's cover them.

General Settings

Upload approval	Config	Albums	Categories	Users	Groups	Ban Users	Display Ecards	Review Comments
Batch add files	Admin Tools							
Configuration - Coppermine Photo Gallery 1.3.5								
General settings								
Gallery name	Cuddle Care Animal Hospital Photo Gallery							
Gallery description	Your online photo album							
Gallery administrator email	admin@cuddlecare.biz							
Target address for the 'See more pictures' link in e-cards	http://www.cuddlecare.biz/e107_plugins/coppermine_menu							
Gallery is offline	☐ Yes ☒ No							
Log ecards	☒ Yes ☐ No							
Allow ZIP-download of favorites	☒ Yes ☐ No							

The first four entries are automatically configured from information contained in the e107 database. Let's enter the following settings:

- **Gallery name:** This will allow us to enter the name of our gallery. We will leave this setting as **Cuddle Care Animal Hospital Gallery**.
- **Gallery description:** You can provide a brief description of the images contained in the gallery. Change **Your online photo album** to **Images of our clients and special events**.
- **Gallery administrator email:** Enter the email address for the gallery administrator. Leave this set to **admin@cuddlecare.biz**.
- **Target address for the "See more pictures" link in e-cards:** When someone sends an e-card, it also sends a link for the recipient to come to our website and view more pictures. This is the default location where these images are located. It only needs to be changed if you change the location where images are stored. We will leave the default path.
- **Gallery is offline:** If you set this option to **Yes**, the gallery will be taken offline and not viewable. You would use this function when performing maintenance. Leave this option set to **No**.
- **Log ecards:** This function gathers statistics on e-card usage. Set this option to **Yes**.
- **Allow ZIP-download of favorites:** If downloads are allowed then having this option set to **Yes** will allow the users to download their favorites in a ZIP file instead of individually. Using ZIP files saves time and bandwidth. Leave this option set to **Yes**.

Language, Themes & Charset Settings

With the exception of a couple of settings, this section is self-explanatory.

Language, Themes & Charset settings	
Language	English
Theme	E107
Display language list	☒ Yes ☐ No
Display language flags	☒ No ☐ Yes:item ☐ Yes:label+item
Display "reset" in language selection	☒ Yes ☐ No
Display theme list	☐ Yes ☒ No
Display "reset" in theme selection	☒ Yes ☐ No
Display FAQ	☒ Yes ☐ No
Display bbcode help	☒ Yes ☐ No
Character encoding	Default (language file)

- **Language:** You can change the language for the gallery as with e107 by setting the default language. You must have the language files already installed in e107 for this option to function. If you have UTF-8 (Unicode encoded) language files installed and a user views your site, the script will auto detect the language from the browser and display it automatically. Leave the default setting of **English**.
- **Theme:** Allows you to change themes. Usually you will want your gallery to look like the rest of your site so leave this set to **E107**.
- **Display language list:** This allows the languages to be displayed in the drop-down list that the user will see. Set this to **Yes**.
- **Display language flags:** If available this will allow the display of language icons. Leave this set to **No**.
- **Display "reset" in language selection:** This allows users to reset back to their own **language** if they should accidentally select a different language. Leave this set to **Yes**.
- **Display theme list:** If you have installed optional Coppermine themes and wish your users to be able to select them then you would set this to **yes**. Leave this set to **No**.
- **Display FAQ:** This shows a FAQ link in the user's Coppermine menu bar that will display a list of frequently asked questions on how to use Coppermine. The default setting is **No**; we will change this to **Yes**.

- **Display BBCode Help:** Leave this option set to **Yes**. If this option is enabled a list of bb codes will be displayed that can be used in description fields. These are:
 - `[b]Bold[/b]` => Bold
 - `[i]Italic[/i]` => Italic
 - `[url=http://yoursite.com/]Url Text[/url]` => Url Text
 - `[email]user@domain.com[/email]` => user@domain.com
 - `[color=red]some text[/color]` => some text
 - `[img]http://coppermine.sf.net/demo/images/red.gif[/img]` => 
- **Character Encoding:** This normally should be set to the **Default (language file)** or if using an alternate language, it is best to use **utf-8**.

Album List View

In this section we can configure how our albums are viewed.

Album list view	
Width of the main table (pixels or %)	100%
Number of levels of categories to display	2
Number of albums to display	12
Number of columns for the album list	2
Size of thumbnails in pixels	50
The content of the main page	breadcrumb/catlist/alblast/random,2/lastup,2
Show first level album thumbnails in categories	☒ Yes ☐ No

The settings are:

- **Width of the main table (pixels or %):** As the name implies, this controls the width of the main table that is displayed within your e107 theme. You can set this as an absolute number of pixels in width or a percentage of the main window. For our purposes we will set it to **100%**.
- **Number of levels of categories to display:** This controls the number of category levels displayed. The default is 2 which would be the main category level plus one sub-category. Leave the default level of **2**.

- **Number of albums to display:** This controls the number albums that are displayed on a page. If the number of albums in a category exceeds the number that can be displayed on a page, they will carry over onto the next page. Leave the default setting of **12**.
- **Number of columns for the album list:** Leave the default setting of **2**.
- **Size of thumbnails in pixels:** This sets the size of the thumbnails to be displayed for each album, the default is **50**. This means the thumbnails will be 50 pixels high by 50 pixels wide.
- **The content of the main page:** This allows you to change the content displayed on the main page. The default is **breadcrumb/catlist/alblast/random,2/lastup,2**. The variables that can be changed are the category list (catlist) and album list (alblast). It is recommended that you do not change this unless you know what you are doing. Leave the default setting.
- **Show first level album thumbnails in categories:** This setting allows you to choose whether to display thumbnails from the first album of the categories listed on the default gallery entry page. Set to **Yes**.

Thumbnail View

As the name implies, this controls how thumbnail views are displayed.

Thumbnail view	
Number of columns on thumbnail page	4
Number of rows on thumbnail page	3
Maximum number of tabs to display	12
Display file caption (in addition to title) below the thumbnail	☒ Yes ☐ No
Display number of views below the thumbnail	☒ Yes ☐ No
Display number of comments below the thumbnail	☐ Yes ☒ No
Display uploader name below the thumbnail	☐ Yes ☒ No
Default sort order for files	Name ascending
Minimum number of votes for a file to appear in the 'top-rated' list	1

Let's make the following settings:

- **Number of columns on thumbnail page:** This is the number of thumbnails that will display in each row. The default is 4 columns (four across). Leave the default setting.

- **Number of rows on thumbnail page:** This controls how many thumbnails are displayed from top to bottom (rows). The default is **3**. Leave this setting.
- **Maximum number of tabs to display:** Tabs are displayed at the bottom of the page when the number of thumbnails is spread across numerous pages. The value sets how many tabs are displayed. The default is **12** but you can use the drop-down menu to select values from 5 to 25. Leave the default setting.
- **Display file caption (in addition to tile) below the thumbnail:** Controls the display of the file caption below each thumbnail while the user is in (user) view. The default is Yes. Leave the default setting.
- **Display number of views below the thumbnail:** When this is set to **Yes**, the program will display the number of times the thumbnail has been selected. Leave the default setting of **Yes**.
- **Display number of comments below the thumbnail:** Shows the number of comments displayed for each thumbnail. Set to **No**.
- **Display uploader name below the thumbnail:** This displays the username of the person who uploaded the file. Set to **No**.
- **Default sort order for files:** This setting controls how files are sorted. From the drop-down menu you can select:
 - **Title Ascending**
 - **Title Descending**
 - **Name Ascending**
 - **Date Ascending**
 - **Date Descending**

Leave the default setting **Name Ascending**.

- **Minimum number of votes for a file to appear in the "top rated" list:** Used to determine how many votes a file must receive before appearing as a "top-rated file". A file must receive a value equal or greater to the setting to be displayed. Leave the default setting of **1**.

Image View & Comment Settings

This controls the image view and comment settings.

Image view & Comment settings	
Width of the table for file display (pixels or %)	600
File information is visible by default	☐ Yes ☒ No
Filter bad words in comments	☒ Yes ☐ No
Allow smiles in comments	☒ Yes ☐ No
Allow several consecutive comments on one file from the same user (disable flood protection)	☐ Yes ☒ No
Max length for an image description	512
Max number of characters in a word	38
Max number of lines in a comment	10
Maximum length of a comment	512
Show film strip	☒ Yes ☐ No
Number of items in film strip	5
Notify admin of comments by email	☒ Yes ☐ No
Slideshow interval in milliseconds (1 second = 1000 milliseconds)	5000

Let's make the following settings:

- **Width of the table for file display (pixels or %):** This sets the width for the table that will display the intermediate picture. If you set the width in pixels and the picture is larger than the table width you specified, it will automatically expand the set limits. Leave this set to **600**.
- **File information is visible by default:** With this setting you can allow/disallow the file information block that appears below the intermediate image. Leave the default setting of **No**.
- **Filter bad words in comments:** This is self explanatory. The default setting is **No**; set this to **Yes**.
- **Allow smiles in comments:** If set to the default setting of **Yes** our users will be able to add emoticons in comments.
- **Allow several consecutive comments on one file from the same user (disable flood protection):** The default setting is **No**. If you set it to **Yes**, you will disable the flood protection, which could allow abuse of your album.
- **Max length for an image description:** This is the maximum number of characters that can be entered to describe an image. The default is **512**. Leave this setting.

- **Max number of characters in a word:** This setting prevents someone from breaking the layout of your gallery by posting lengthy comments without using spaces between words. Any characters over the number specified will automatically be censored. Leave this with default setting **38**.
- **Max number of lines in a comment:** This will keep users from entering too many new line entries <enter key> in the comments. Leave the default setting of **10**.
- **Show film strip:** Displays a filmstrip simulation showing previous and following thumbnails from the presently selected image. The default is set to **Yes**.
- **Number of items in filmstrip:** Set the number of thumbnails you wish displayed in the film strip. Leave the default setting of **5**.
- **Notify admin of comments by email:** This allows the admin to receive an email each time a comment is posted. The default setting is **No**. Change to **Yes**.
- **Slideshow interval in milliseconds (1 second = 1000 milliseconds):** This controls the length of time between images when viewing using the slideshow option. Decreasing the value shortens the interval and increasing it lengthens it. Leave the default value of **5000**.



You would be wise to filter for bad words and limit consecutive posts by the same user, with the program sending you notification whenever you let someone upload to your website.

File and Thumbnail Settings

As the name implies, this is where file and thumbnail settings are done.

Files and thumbnails settings	
Quality for JPEG files	80
Max dimension of a thumbnail **	100
Use dimension (width or height or Max aspect for thumbnail) **	Max Aspect
Create intermediate pictures	☒ Yes ☐ No
Max width or height of an intermediate picture/video **	400
Max size for uploaded files (KB)	1024
Max width or height for uploaded pictures/videos (pixels)	2048

Let's make the following settings:

- **Quality for JPEG files:** This is the value that controls compression when a utility makes a thumbnail. The default value is **80**. Do not change this value unless you really know what you are doing.
- **Max dimension of a thumbnail**:** This specifies the maximum number of pixels based on **Use Dimension** (below). The default setting is **100**. Leave this setting.
- **Use dimension (width or height or Max aspect for thumbnail) **:** Based on your entry in **Max Dimension** above, set if the thumbnail is created by height or width. With **Max Aspect** the program will decide based upon the type of image which way to create the thumbnail. Leave this set to **Max Aspect**.
- **Create intermediate pictures:** When this is set to **Yes**, whenever you upload a file, the script creates both a thumbnail of the file (file name using "**thumb_**" as its prefix) and an intermediate version of the file (file name using "**normal_**" as its prefix). Leave the default setting of **Yes**.
- **Max width or height of an intermediate picture/video**:** When someone clicks on a thumbnail the intermediate picture will display the specified size window. The default is **400** pixels. This means the display window would be 400 x 400 pixels.
- **Maximum size of uploaded files (KB):** This specifies the maximum number of kilobytes that a file size can be. Leave the default setting **1024**.
- **Max width or height for uploaded pictures/videos (pixels):** This sets the maximum number of pixels with which a picture can be displayed. The default is **2048** pixels.



(**) When changing this setting, only the files that are added from that point on are affected, so it is advisable that this setting should not be changed if there are already files in the gallery. You can, however, apply the changes to the existing files with the admin tools (resize pictures) utility from the admin menu.

Files and Thumbnails Advanced Settings

Files and thumbnails advanced settings	
Show private album Icon to unlogged user	☐ Yes ☒ No
Characters forbidden in filenames	\$\:*?\
Allowed image types	ALL
Allowed movie types	ALL
Allowed audio types	ALL
Allowed document types	NONE
Method for resizing images	GD version 2.x
Path to ImageMagick 'convert' utility (example /usr/bin/X11/)	
Command line options for ImageMagick	-antialias
Read EXIF data in JPEG files	☒ Yes ☐ No
Read IPTC data in JPEG files	☐ Yes ☒ No
The album directory *	albums/
The directory for user files *	userpics/
The prefix for intermediate pictures *	normal_
The prefix for thumbnails *	thumb_
Default mode for directories	0777
Default mode for files	0666

This section requires you to know a little about the utilities that are available with your hosting account package:

- **Show private album Icon to unlogged user:** By default this is set to **No**, which means when a visitor views the gallery, private albums are completely hidden. If you set this to **Yes**, the album name, description, and statistics are shown, but not the thumbnails or any of the contained files.
- **Characters forbidden in filenames:** The program will replace with an underscore any of the characters specified here that is found in the name of an uploaded file. Don't change unless you know what you are doing. The default is `$\:*?\"/>`

- **Allowed image types:** Allows image file types that your installed image library (GD or ImageMagick) is capable of handling and will be allowed as uploads and content in your gallery. You can restrict this to certain file types by entering a slash-separated list of extensions (e.g. `jpg/bmp/tif`). Leave the setting as **ALL**.
- **Allowed movie types:** Allows movie file types to be uploaded. If you want to restrict the allowable file types to certain extensions you would enter a slash-separated list of extensions (e.g. `wmv/avi/mov/asf`). It is important to note that being able to display these files requires that the person downloading the movie have the necessary programs and codecs installed on their computers (e.g. if you allow the file type `asf`, the user who wishes to view the file needs to have a program like Windows Media Player that has the necessary codec to allow viewing. Leave the default setting of **ALL**.
- **Allowed audio types:** Allows audio files to be uploaded, If you want to restrict the allowable file types to certain extension you would enter a slash-separated list of extensions (e.g. `wma/wav/mp3`). It is important to note that being able to listen to these files requires that the person downloading the files have the necessary program with installed codecs on their computer. Leave the default setting of **ALL**.
- **Allowed document types:** Allow document types to be uploaded. If you want to restrict files types to certain extensions, you would enter a slash-separated list of extension (e.g. `pdf/txt`). It is important to note that being able to view document types will depend upon the viewer having the necessary program installed to view the document. **SECURITY RISK!** – Allowing file types that can contain code is a major security risk. The default setting is **ALL** – Set this to **NONE**.

- **Method for resizing images:** Here you are presented with a drop-down menu of image resizing programs. GD2 is recommended. To find out which type is available with your hosting account scroll up to the top of the configuration screen and right click on the **Admin Tools** button and open another window. Scroll down towards the bottom and click on the **Display phpinfo(1)** link.

GD	
GD Support	enabled
GD Version	bundled (2.0.28 compatible)
FreeType Support	enabled
FreeType Linkage	with freetype
GIF Read Support	enabled
GIF Create Support	enabled
JPG Support	enabled
PNG Support	enabled
WBMP Support	enabled
XBM Support	enabled

Our PHP information file tells us that we have GD Version 2 installed. If you examine the drop-down list you will notice that **GD2** is set by default (leave this setting) as this is the preferred utility; however, you can also select from:

- **GD1**
- **ImageMagick**
- **Path to ImageMagick 'convert' utility (example /usr/bin/X11/):** If your web host is using ImageMagick then you will need to specify the path to the utility. If you are not using ImageMagick then leave this blank.
- **Command line options for ImageMagick:** If you are using ImageMagick then you need to specify the option to perform. The default is **-antialias**.

- **Read EXIF data in JPEG files:** Turned on, the script will read the EXIF (Exchangeable Image File Format) data stored by digicams in JPEG files. Leave **Yes**, which is the default setting.
- **Read IPTC data in JPEG files:** Turned on, the script will read IPTC (International Press Telecommunications Council) data stored in digicams and picture files. Leave the default set to **No**.
- **The album directory*:** This is the base directory where images are stored. The path is relative to the main directory of the script. If you want to change the path where files are stored, they must be in the visible web-server directory and use the format `../` to move-up one level in the directory tree. Absolute paths (`/var/my_images/`) will not work. Do not change this setting if your database already contains files, otherwise all references to your existing files will break. Leave the default setting of **/albums**.
- **The Directory for user files*:** A subdirectory of the base directory, this is the directory where files are stored using the web interface (URL/URI). It's recommended that you leave this setting as it is. If you decide to change it, keep in mind that the folder must exist within the album's folder and the path should be relative to it. When you upload files by FTP, store them in a subdirectory (folder) of the "album directory" and not inside the "directory for user files". Do not change this setting if your database already contains files, otherwise all references to your existing files will break. Leave the default setting of **userpics/**.
- **The prefix for intermediate pictures*:** This is a prefix assigned to all intermediate pictures. The default is **normal_**. If you want to change this you need to do it before any pictures are loaded into the database.
- **The prefix for thumbnails*:** This is a prefix assigned to all thumbnail pictures. The default is **thumb_**. If you want to change this you need to do it before any pictures are uploaded.
- **Default mode for directories:** The default is **0777**. Do not change this setting. If you are having problems, refer to the Coppermine documentation.
- **Default mode for files:** the default is **0666**. This is the permissions level the program assigns to an uploaded file. It should not be changed.

User Settings

This controls the user settings for the users accessing the site.

User settings	
Allow new user registrations	☒ Yes ☐ No
User registration requires email verification	☒ Yes ☐ No
Notify admin of user registration by email	☒ Yes ☐ No
Allow two users to have the same email address	☐ Yes ☒ No
Users can have private albums (Note: if you switch from 'yes' to 'no' any current private albums will become public)	☒ Yes ☐ No
Notify admin of user upload awaiting approval	☐ Yes ☒ No
Allow logged in users to view memberlist	☐ Yes ☒ No

Let's make the following settings:

- **Allow new user registrations:** Set this to **Yes** to allow users to register and upload files.
- **User registration requires email verification:** When this is set to **Yes**, the user is sent an email with a coded link to complete the registration process.
- **Notify admin of user registration by email:** When this is set to **Yes**, an email is sent the administrator alerting them to the new user registration.
- **Allow two users to have the same email address:** Prevents two usernames from sharing the same email address. When set to **No**. To prevent abuse you should not change this setting.
- **Notify admin of user upload awaiting approval:** When set to **Yes** sends an email to the administrator letting them know there is a file waiting to be approved. The default is **No**; change this to **Yes**.
- **Allow logged in users to view member list:** If set to **Yes**, allows logged in users to view a list of other registered users. Leave the default setting of **No**.

Custom Fields, Cookies, and Miscellaneous Settings

Custom fields for image description (leave blank if unused)	
Field 1 name	
Field 2 name	
Field 3 name	
Field 4 name	
Cookies settings	
Name of the cookie used by the script (when using bbs integration, make sure it differs from the bbs's cookie name)	cpg133
Path of the cookie used by the script	/
Miscellaneous settings	
Enable debug mode	☒ No ☐ Yes:Everyone ☐ Yes:Admin only
Display notices in debug mode	☐ Yes ☒ No

Let's make the following settings:

- **Custom fields for image description (leave blank if unused):** These fields will only be visible in the picture display area if you give them a name. Default is blank.
- **Cookies settings:**
 - **Name of the cookie used by the script (when using bbs integration, make sure it differs from the bbs's cookie name):** The default is **cpg133**. Do not change unless you are familiar with cookies and how they work.
 - **Path of cookie used by script:** This tells the script where to find the cookie. By default this is set to **/**.
- **Miscellaneous Settings:**
 - **Enable Debug Mode:** This allows Coppermine to show error messages that are usually suppressed and is helpful in trying to find the source of a problem. Leave the default setting of **No**.
 - **Displays notices in Debug mode:** This function is used to help with installation problems and will probably only be helpful if you know PHP. Leave the default setting of **No**.

Image Watermarking

Image watermarking	
Watermark Image on upload	☐ Yes ☒ No
Where to place the watermark	Bottom right ▼
which files to watermark	Both ▼
Which file to use for watermark	

Image watermarking allows you to place a watermark (identifying mark or logo) on photos uploaded to your galleries. Its primary purpose is to thwart individuals from stealing your images. Due to the nature of the web browsers, this will only stop only the most inexperienced user. We will keep the default settings above.

If you wish to use this plugin, go to the folder on your computer where you expanded the downloaded Coppermine plugin. In the root directory there is a `Readme.txt` file and associated MySQL tables. Just follow the instruction in the `Readme.txt`, set your settings (see the above image), and you are set to go.



If your images are of your business and you want to use e107 with the Coppermine plugin then you can consider trackable digital watermarking through a company such as Digimarc <http://www.digimarc.com/tech/>.

Saving Configuration

The last thing we need to do is to save all the configurations that we made above. Just under the watermark section you will see a couple of warning notices At this point you are given two options:

- **Save new configuration:** Select this button to commit the changes. We will be selecting this button.

- **Restore factory defaults:** If you make configuration changes and then want to discard them and start from the beginning you can click on the **Restore factory defaults** button.

(*) This settings mustn't be changed if you already have files in your database.
 (**) When changing this setting, only the files that are added from that point on are affected, so it is advisable that this setting must not be changed if there are already files in the gallery. You can, however, apply the changes to the existing files with the "[admin tools](#) (resize pictures)" utility from the admin menu.

Save new configuration Restore factory defaults

Admin Mode and User Mode

While you are logged in as an admin in e107 and access the Coppermine photo gallery, you have access to two modes of operation: user mode and admin mode. This is very convenient since you can operate as either the end user or administrator without having to open multiple browsers. Switch to user mode and then switch back to admin mode so you can see the difference. The following screenshot shows the difference in how the screen would look if you logged out of e107 as administrator and then selected the **Gallery** as a visitor. In the top half of the screenshot you see the two menus whereas in the bottom of the figure you see the menu as an end user only.

► Cuddle Care Animal Hospital Gallery - Images of our clients and special events

Album list My gallery FAQ User mode Upload file
 Last uploads Last comments Most viewed Top rated My Favorites Search

► Admin Menu

Upload approval Config Albums Categories Users Groups Ban Users Display Ecards Review Comments
 Batch add files Admin Tools

► Cuddle Care Animal Hospital Gallery - Images of our clients and special events

Album list FAQ Register
 Last uploads Last comments Most viewed Top rated Search

Random files

The Group Control Panel

You can access the Group Control Panel by clicking on **Groups** in the **Admin Menu**. This is where you control permissions for Coppermine. For the purposes of Cuddle Care please set the controls as follows:

- Administrators: 0, YES, YES, YES, YES, YES, YES, YES
- Registered: 0, NO, YES, YES, YES, NO, YES, NO (note: Later when we allow users to upload the 0 will automatically change to 1024)
- Anonymous: 0, NO, NO, NO, NO, NO, NO, NO
- Banned: 0, NO, NO, NO, NO, NO, NO, NO
- LAN_MYUSERCLASS: 0, NO, YES, YES, YES, NO, YES, NO

Make sure to select the **Apply modifications** button at the bottom of the screen.

If you are curious about what each of these functions does, I suggest that you read the Coppermine manual, located at <http://www.yoursite.com/docs/manual.pdf> (assuming your e107 installation is in the root directory).

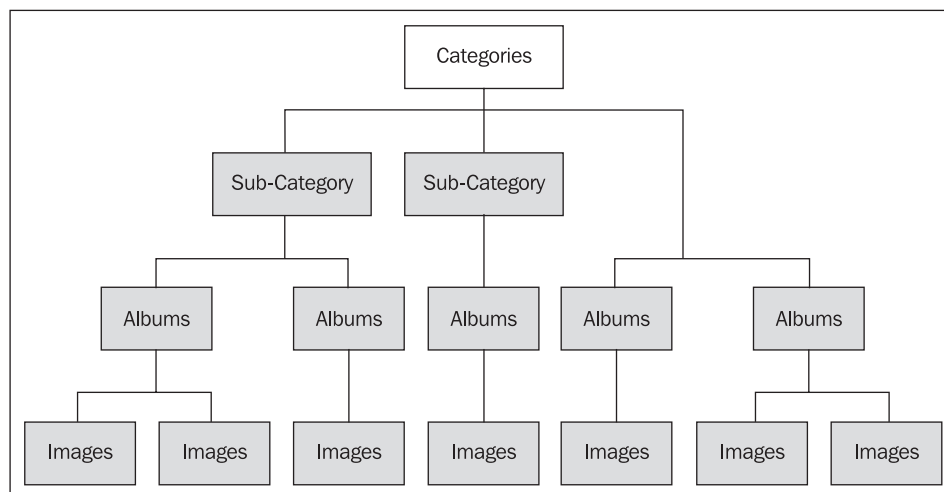
Categories, Albums, and Pictures

Right now, I know we are walking through the samples in the book together, but when you strike out on your own, you will take some time to plan how you wish to categorize the photo galleries. Remember the five P's: prior planning prevents poor performance.

Things will go smoothly if you remember the following:

- Categories are the main container for information.
- Categories can optionally be broken into sub-categories (also called nested categories).
- Albums are organized and stored in categories or sub-categories if present.
- Images are stored in albums.

You can view a visual representation of this below:



Creating Categories

Now that we know how everything works, we will create our categories. Select **Categories** from the **Admin Menu**. You will see the **User galleries** category; Coppermine created this category automatically when we selected to allow user-submitted photos during the configuration phase above. We want to create our parent categories so do the following:

- Scroll down to the **Update Create/Category** block.
- In the **Category Title** box enter **Our Clients**.
- For **Description** enter **Images of our clientele**.
- Select the **Update/Create category** button at the bottom.

Repeating the steps above create categories for the following and for now just use the category title name as the description:

- **Special Events**
- **Missing**
- **Adoption**

Creating Sub-Categories

We need to create a couple of sub-categories. This is similar to creating a category with one exception.

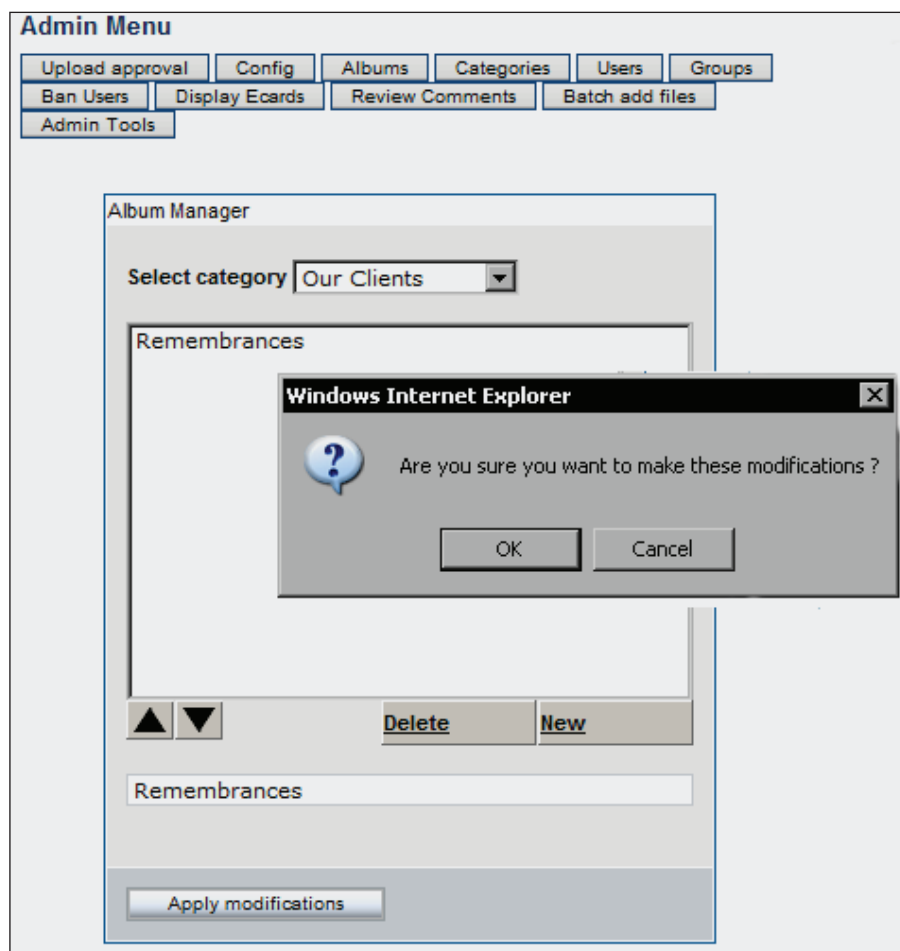
- Scroll down to the **Update/Create Category** block.
- Using the scroll bar, select the Parent Category **Our Clients**.
- In the **Category Title** box enter the following sub-category title:
Adult Clients.
- For **Description** enter **Images of our Adult Clients**.
- Select the **Update/Create Category** button at the bottom.
- Repeat the step above in the same **Parent Category** and create the sub-category **Newborns**.
- For **Description** enter **Images of our Newborns**.
- Select the **Update/Create Category** button at the bottom.

Creating Albums

Now that we have set up our categories and sub-categories, we will create the albums, which will contain our images. Creating albums is different from creating categories. To create an album, do the following:

- Select **Albums** from the **Admin Menu**.
- From the drop-down menu select **Our Clients**.
- Click on the **New** button. You will see **New album** appear in the main block. You will also notice that **New album** is also in the box just under the **New** and **Delete** buttons.
- In that input area at the bottom, replace **New Album** with, **Remembrances**.
- Click on the **Apply modifications** button.
- A pop-up confirmation window will appear asking, **Are you sure you wish to make these modifications?** Select **OK**.
- You will then see a box on the screen (see screenshot opposite) confirming that **Album Manager** is creating the album **Remembrances**. Select **CONTINUE**.
- Using the same procedures as above, create albums under each of the following categories using the category title as the name of the album
 - **Special Events**
 - **Missing**
 - **Adoption**

- Using the same procedures as above, create albums for the sub-categories as follows:
 - **Adult Clients**
 - **Dogs**
 - **Cats**
 - **Miscellaneous**
 - **Newborns**
 - **Puppies**
 - **Kittens**
 - **Miscellaneous**



The only thing left to do is to upload your photos. This you can accomplish by using the file upload feature. We upload the files to a general area and once uploaded we place them into their respective albums. The process is self-explanatory.

Block (Menu) Configuration

Block (menu) configuration is for placing information on the main page of your template. Cuddle Care would like to display a random image and a drop-down photo category menu. Before we can activate the block, we have to configure it to display our information. To do this we need to follow these steps:

- From the main **Coppermine Menu** select **Block (menu) Config**.
- Adjust the entries to mirror those in the screenshot below:

Coppermine Block Config		CPG Config
Categories to show in dropdown Seperate with coma(s) ('all' = Show all categories)		Block(menu) Config
Albums to show in dropdown Seperate with coma(s) ('all' = Show all albums)		Coppermine Config
Restrict to categories Seperate with coma(s) (empty = show any)		CUSTOMPAGES
Restrict to albums Seperate with coma(s) (empty = show any)		Readme
Number of images to display in block	2	Original Readme
Caption Title of the block	Random Pics	Changes
Caption 2 Title on the bottom of the block		
'click to show' text Static text message displayed under image(s)		
Open images in new window (Yes or No)	No	
Image alignment Horizontal or Vertical	Vertical	
Save Settings		
To add the coppermine block(menu) to your display, click on menus in the main e107 admin section, then choose coppermine and activate it in area of your choice.		

- Select the **Save Settings** button.

Now that we have configured the **Block Menu**, we need to make it visible. Click on **Main** in the top administrator menu bar. Select **Menus** and follow these steps:

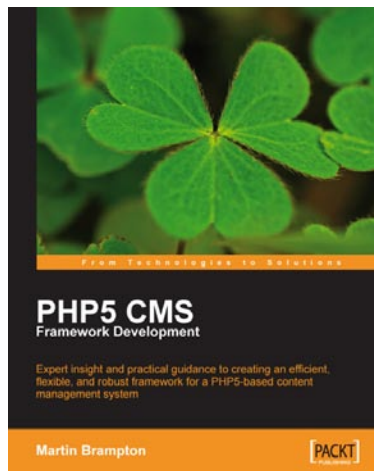
- On the right side of your screen, deactivate all of the block menus except for **banners** in **Area 4**.
- Move the **banner** block menu to **Area 5**.
- Find and select the **Coppermine Block Menu** under the **Inactive Menus** and assign it to **Area 4**.

You have now activated the Coppermine Block Menu, which now displays a random image from your files.

Congratulations, you are done with Coppermine configuration!

Summary

In this chapter we have covered how to install and configure the Content Management plugin and provided a brief overview of this highly flexible and powerful tool. We also installed the PDF (Portable Documents Format) plugin to enable our users to download copies of our articles, etc. and maintain their original formatting. And last, we covered how to install and configure the non-core Coppermine Photo Gallery Plugin and learned to create our first gallery and album.

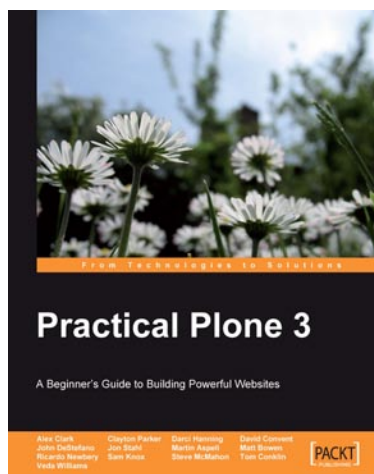


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8

Information Dissemination

In this chapter we will look at disseminating information using different methods such as newsletters, calendars, and RSS feeds. We will also learn a little bit about search engines and various methods we can use to get our e107 site noticed.

The Newsletter Plugin

Newsletters are a great way to communicate information about you and your business or topics of interest. From a marketing standpoint, newsletters provide you with a rich database of individuals and/or companies that have expressed an interest to the topic of your newsletter.

Installation

To use this fantastic feature you need not look any further than your core plugins. Log in as administrator and select **Plugins | Plugin Manager** from the administrator toolbar or select the **Plugin Manager** icon from the administrative interface. Next locate the **Newsletter** plugin and click on the **Install** button. When the plugin is installed, click on the **Configure** link and your screen will look as shown below. On the right side of your screen you will see the **Newsletter Options** menu.

Site Info	Existing Newsletters	Newsletter Options
Site Cuddle Care Animal Hospital Head Admin Administrator e107	No newsletters defined yet	 Newsletter Front Page
	Existing Issues	 Create Newsletter
	No newsletter issues yet	 Create mailing

Configuration

We will select the **Create Newsletter** option from the **Newsletter Options** menu to create a newsletter. This will bring you to the **Create Newsletter** screen. Actually this screen can be a little misleading to the uninitiated. The best way to explain what we are going to do is imagine this screen as bucket called **Dog Fancy Monthly**. In creating this newsletter we assign the title and provide a description of the newsletter that people will actually be able to read, so make it a good description. And we have a place for a header and a footer that will be common to all of our future issues. You will see what I'm talking about in a minute but for now let's put the following information into our waiting screen:

- **Title:** We will enter the title of the newsletter as **Dog Fancy Monthly**.
- **Description:** We will enter the description for the newsletter as: **Each month is packed full of information on living, playing, and sharing life with your man's best friend.**
- **Header:** We will enter the header of the newsletter as **Dog Fancy Monthly.**
- **Footer:** We will enter the footer of the newsletter as **Copyright 2007, Cuddle Care Animal Hospital.**

Your screen should now look as shown below:

Create Newsletter		Newsletter Options
Title	Dog Fancy Monthly	Newsletter Front Page
Description	Each month is packed full of information on living, playing and sharing life with your mans best friend.	Create Newsletter
Header	Dog Fancy Monthly.	Create mailing
Footer	Copyright 2007, Cuddle Care Animal Hospital	
Create Newsletter		

Now click on the **Create Newsletter** button and you have created your newsletter. Next, click on **Newsletter Front Page** from the **Newsletter Options** menu. You will see your first newsletter listed under the heading **Existing Newsletters**.

Creating Our First Mailing

Now that we have created the newsletter, it is time to create our first edition. Continuing the analogy that we started above, we are now going to create our water drops (newsletter editions), which will then be contained within the bucket. So let's quickly do this together. Click on the **Create mailing** option from the **Newsletter Options** menu and fill in the following:

- **Newsletter:** We will choose the **Dog Fancy Monthly** option from the drop-down menu.
- **Subject/Title:** We will enter the subject as **Tough Love**.
- **Issue Number:** We will enter the issue number as **Jan 2007**.
- **Text:** We will enter the text as: **This is the first edition of my newsletter.**

Your screen should look as shown below:

Create Newsletter Issue		Newsletter Options
Newsletter	Dog Fancy Monthly ▾	➤➤ Newsletter Front Page
Subject / Title	Tough Love	➤➤ Create Newsletter
Issue Number	Jan 2007	➤➤ Create mailing
Text	This is the first edition of my newsletter.	
Create Mailing		

Now click on the **Create Mailing** button. This will bring you to the newsletter front page as shown in the screenshot below, which will now show the **Jan 2007** issue under the newsletter. You will also notice that there is a status message to the right of the **Subject/Title**. It is alerting you to the fact that you have not yet mailed the newsletter. To send out the mail you can click on the **Not sent out click to send** button. But wait! How and where does someone subscribe to the newsletter?

Newsletter issue saved in database - to send out, click the 'Release Issue' button in the Options menu.					Newsletter Options
					Newsletter Front Page
					Create Newsletter
					Create mailing
Existing Newsletters					
ID	Name	Subscribers		Options	
2	Dog Fancy Monthly	0		 	
Existing Issues					
ID	Issue	[Parent ID]	Subject/Title	Mailed?	Options
3	Jan 2007	[2]	Tough Love	Not sent out - click to send	 

How to Subscribe to the Newsletter

We have to create the ability for our subscribers to sign up for our newsletter. To do this we need to click on **Content | Menus** or from the administrative screen click on the **Menus** icon and do the following:

- Scroll down the list of **Inactive Menus** and locate **Newsletters** and select it.
- Next click on the **Activate in Area 1** button as shown below:



[SiteLinks]

Area 1

>

login

Function ...

> Inactive Menus

Choose the menu(s) to activate... ...and where to activate them.

counter

lastseen

link

list_new

list_recent

newforumposts

newsletter

next_event

online_extended

online

other_news2

other_news

powered_by

rss

search

sitebutton

subs

Activate in Area 1

Activate in Area 2

Hold down CTRL to select multiple menus.

Area 2

>

poll

Function ...

>

Pet of the Month

Function ...

You will then see the Newsletter menu appear in **Area 1** under the login menu. Now open up a new browser window and select **Home** from the main menu on the top right. It will look as shown in the screenshot below. Now people will be able to see the subscription button and subscribe to your newsletter.



Event Calendar Plugin

Another way to disseminate information is via the use of the Event Calendar plugin. This is another core plugin that is easily installed. Cuddle Care is going to use the events calendar to show days when the office will be closed.

Installation

Go to the **Plugins** section in the administrative interface and select the **Plugin Manager** icon or select **Plugin | Plugin Manager** from the administrator toolbar. Locate the **Event Calendar** plugin and select the **Install** button.

Once the plugin is installed, click on the **readme.pdf** link, which shows important information about the plugin. If you have any questions, problems, or suggestions for e107 functions and core plugins, go to <http://e107.org>.

Configuring Calendar Settings

The Calendar can be configured by clicking the **Configure link** under the **Plugin Successfully Installed** message. You can also configure it by selecting from the **Plugins** section in the administrative interface. As you can see in the screenshot on the next page, the configuration screen is pretty much self explanatory. This is a simple configuration so let's complete the **Calendar Settings** together quickly:

- **Events can be added by:** This field will enable the control of adding events. We will select **Admin** from the drop-down menu.
- **Calendar Administrator Class:** This field will allow you to enter the calendar administrator class. We will select **Admin** from the drop-down menu.
- **Level of logging to main admin log:** This field will allow you to set the level of logging to main admin log. We will select **None** from the drop-down menu.
- **Calendar menu header links to:** We will select **Calendar** from the drop-down menu.
- **Show number of events for this month in Calendar Menu:** This checkbox is set to display the number of events for a particular month in the calendar menu. We will leave this checkbox unchecked.
- **Show link to 'more information' with events:** We will leave this checkbox unchecked.
- **Flag recently added/updated events:** This field will allow you to set the time (in hrs) to flag the recently added / updated fields. We keep the default setting, which is **72**.
- **Week starts with:** This field will allow you to choose the start day of the week. We will select **Sunday** from the drop-down menu.
- **Length of daynames (characters):** This field will allow you to set the length of the day names. We will select **1** from the drop-down menu.
- **Date format in calendar header:** This field will allow you to set the date format in the calendar header. We will choose **month/year** from the drop-down menu.
- **Date format for event entry:** This field will allow you to set the date format for the event entry. We will choose **mm-dd-yyyy** from the drop-down menu.
- **Event start/end times on 5-minute boundaries:** We will leave this checkbox unchecked.
- **Calendar time reference:** This field will allow you to set the calendar time reference. We will select the **Site** option from the drop-down menu.
- **Calendar time format:** This field determines time display format throughout event calendar. We will select **12-hour** from the drop-down menu.
- **Date display in Event List:** This field determines date display format for event listings. We will select **dayofweek day month yyyy** from the drop-down menu.

- **Date display in Forthcoming Events:** This field determines date display format for forthcoming events menu. We will set it to **dd month** from the drop-down menu.
- **Enable manual subscriptions:** Disabling this field removes the subscriptions button and overrides the **category manual subscription** setting. We will leave this checkbox unchecked.
- We are going to fill the next four entries appropriate information, since later we may decide to include special events:
 - **Email from (name):** Cuddle Care Animal Hospital
 - **Email Subject:** Events Calendar
 - **Email from email address:** calendar@cuddlecare.biz
 - **Logging of Emails:** Summary

Your screen should now look as shown in the screenshot below:

Calendar Settings		Calendar
		Configuration
		Categories
		Forthcoming Events
		Maintenance
Calendar Settings		
Events can be added by:	Admin	
Calendar Administrator Class	Admin	
Level of logging to main admin log:	Edit/delete	Can cover additions, updates to and deletions from the event list
Calendar menu header links to:	Calendar	
Show number of events for this month in Calendar Menu	☒	
Show link to 'more information' with events	☒	
Flag recently added/updated events	72	Value is time from update in hours; zero to disable
Week starts with:	Sunday	
Length of daynames (characters)	1	
Date format in calendar header:	month/year	
Date format for event entry:	mm-dd-yyyy	
Event start/end times on 5-minute boundaries	☒	(Reduces number of entries in drop-down list)
Calendar time reference	Site	Current server time: 10:12 PM Current site time: 05:12 PM Current user time: 10:12 PM "Site Time" uses the offset defined in preferences
Calendar time format	12-hour	%H%M Custom time uses the format in the box on the right
Date display in Event List:	dayofweek day month yyyy	%A %d %B %Y Custom date uses the format in the box on the right
Date display in Forthcoming Events:	dd month	%d %B Custom date uses the format in the box on the right
Enable manual subscriptions	☒	Disabling this removes the subscriptions button and overrides the category manual subscription setting.
Email from (name)	Cuddle Care Animal Hospital	
Email Subject	Events Calendar	
Email from email address	calendar@cuddlecare.biz	
Logging of Emails	Summary	
Update Settings		

Now select the **Update Settings** button.

Categories

Now select categories from the options menu. In order for us to add events we must first specify categories. Cuddle Care would like to display in its events calendar the days of the week that it is closed. In order for us to do this we need to create a category called Closed. To do this first select the **Categories** option from the **Calendar** menu on the right side of the screen and do the following:

- In the **Action** block select: **New**.
- Select the **Proceed** button.
- On the next screen enter the following:
 - **Category name:** This field allows you to enter name of the category. We will enter **Closed**.
 - **Category Description:** This field allows you to enter description of the category. We will enter **Closed for Business**.
 - **Visible to:** This field will allow you to set the visibility of the calendar events. We will select **Everyone (public)** from the drop-down menu
 - **Add new event class:** We will select the **Admin** option from the drop-down menu.
 - **Icon:** Choose any icon of your choice.

At this point your screen should look as shown in the screenshot below. We can select the **Update Settings** button as for this particular category we would not have a need for sending out emails. But let's cover the rest of the screen for when you configure your own events calendar.

		Calendar
		Configuration
Administer Categories		Categories
		Forthcoming Events
		Maintenance

Edit category	
Category name	Closed
Category Description	Closed for Business
Visible to	Everyone (public)
Add new event class	Admin
Icon:	Choose
Allow subscription	☐
Send email	None
Forced notification class	No One (inactive)
Days ahead to notify of event	0
Advanced message	
Message on the day or the previous day	
Update Settings	

- **Allow subscription:** This field enables you to allow subscription to its use. We will leave the checkbox unchecked.
- **Send email:** We will choose **None** from the drop-down menu.
- **Forced notification class:** We will choose **No one (inactive)** from the drop-down menu.
- **Days ahead to notify of event:** This is a handy feature that will send out notifications in advance of the event. You specify the number of days in advance of the event.
- **Advanced message:** This field enables you to enter the message for advanced notification. We will leave this field blank.
- **Message on the day or the previous day:** We will leave this field blank.

Of course you would then complete the process by selecting the Update Settings button.

Forthcoming Events

In this screen we set our configurations for upcoming events. It is pretty self-explanatory but let us briefly cover it.

- **Menu Heading:** We will keep the default heading **Forthcoming Events**.
- **Days to look forward:** We will keep the default **30** but this can be set to the desired number of days.
- **Number of events to display:** We will keep the default **3** but this can be changed.
- **Include recurring events:** We will keep this checkbox checked.
- **Event name is link to:** This can be linked to either the Calendar Event or the URL of the Source Information. We will keep the default **Calendar Event**.
- **Title is link to events list:** We will keep this checkbox unchecked. If the box is checked the event title will become a hyperlink to the event list.
- **Show category icon in menu:** We will keep this checkbox unchecked. If you check this box then the category icon that you selected previously will display in the menu.
- **Categories to display:** All of the categories that you created will be displayed by keeping this checkbox checked.

		Calendar
		Configuration
Forthcoming Events		Categories
		Forthcoming Events
		Maintenance
Forthcoming Events		
Menu Heading	Forthcoming Events	
Days to look forward:	30	
Number of events to display:	3	
Include recurring events: <i>Will not work reliably if looking forward more than 59 days</i>	☒	
Event name is link to:	Calendar Event	
Title is link to events list:	☐	
Show category icon in menu	☐	
Categories to display	☒ Closed	
Update Settings		

Your screen should look as shown above. Now select the **Update Settings** button to save your settings.

Maintenance

The event calendar maintenance screen has two functions to help your calendar run efficiently. They are:

- **Remove past events ending more than x months ago:** You can select from the drop-down menu the number of months (1 through 12) after which past events are to be removed, timed from beginning of current month.
- **Cache Management:** This function works only if caching is turn on. Clicking on the **Empty Calendar Cache** button will initiate this action.

If you have caching turned on it will vastly improve speed on your site and minimize the number of calls to the SQL database. To activate caching, select **Settings | Cache** from the administrative toolbar or the **Cache** icon from the administrative interface. Now select the **Cache data saved to disk file** option and then select the **Set cache status** button.

Event Calendar Front End

Now that we have configured our event calendar, let's take a look at the front end of our website. Select **Home** from the main menu at the top of the administrative interface. Select **Calendar** from the menu and your screen should now look as shown in the screenshot below:

Cuddle Care

VetCentric From Your Veterinarian To Your Home
Home Delivery You Can Trust

Main Menu

- Home
- Calendar
- Members
- Calendar News
- Calendar List
- Calendar
- Calendar
- Calendar
- Calendar
- Calendar
- Calendar

Welcome

Username:

Password:

☒ Remember me

Calendar View

January 2007

December << >> February

2006 << >> 2008 << >>

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

All View Events List

S	M	T	W	T	F	S
	1	2	3	4	5	6
7 Closed	8	9	10	11	12	13
14	15	16 (Wed)	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Poll

What Type of Pet Do You Own?

Dog

Cat

Bird

Reptile

Other

This poll is restricted to members only.

Votes: 1 Comments: 0 Previous polls

Pet of the Month



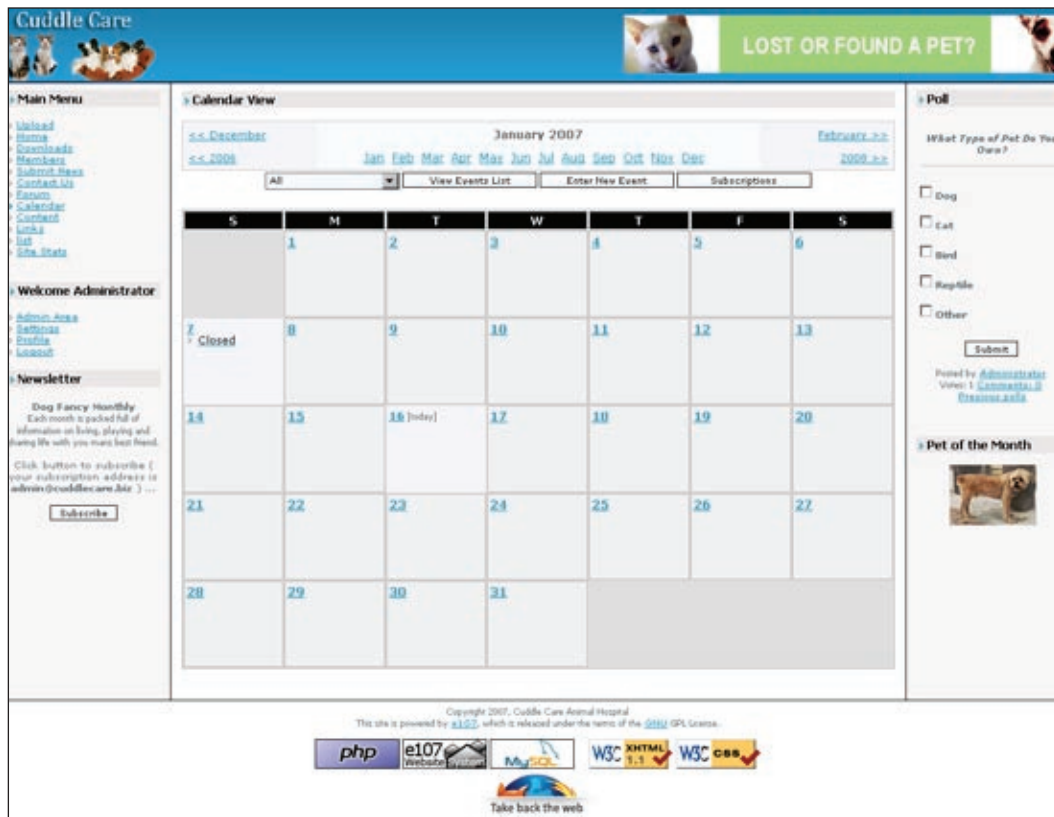
Copyright 2007, Cuddle Care Animal Hospital

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Now log back in as administrator and you will see that we now have the ability to select a specific event category, view the events list, add an event, and view subscriptions.



Entering Information into our Calendar

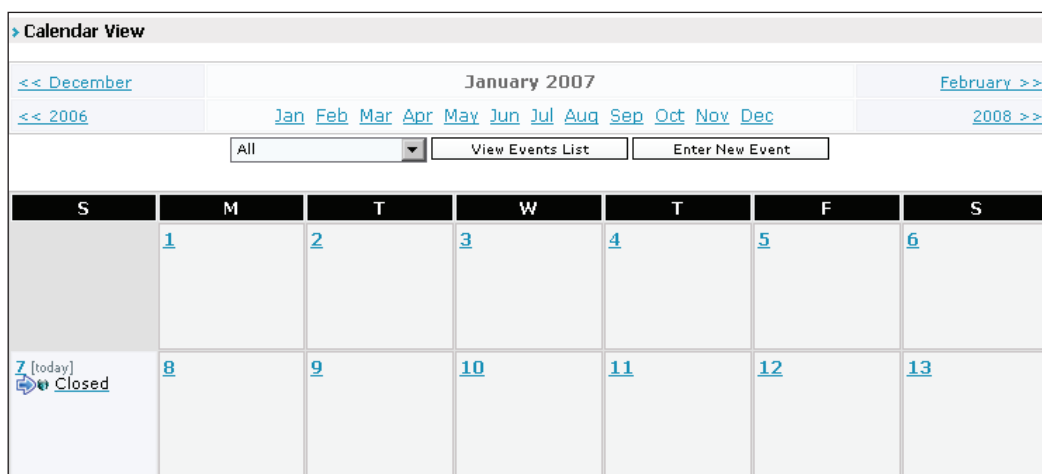
Let's enter some information together:

- At the top of the calendar just below the listing of the months select the **Enter New Event** button.
- Enter the following information:
 - **Event Date:** You can click on the **calendar** icon and select the **Start** and **End** date.
 - **Event Time:** You can select the **Start** and **End** time of the event.
 - **Recurring:** We will select this checkbox.

- **Event Title:** We will enter the event title as **Closed**.
- **Event Category:** We will enter the event category as **Closed**.
- **Location:** We will leave this field blank.
- **Event:** We will enter **Closed**.
- **Contact email:** We will leave the default setting (or you can change it if you wish).
- Make sure your information looks like the screenshot below then select the **Enter New Event** button.

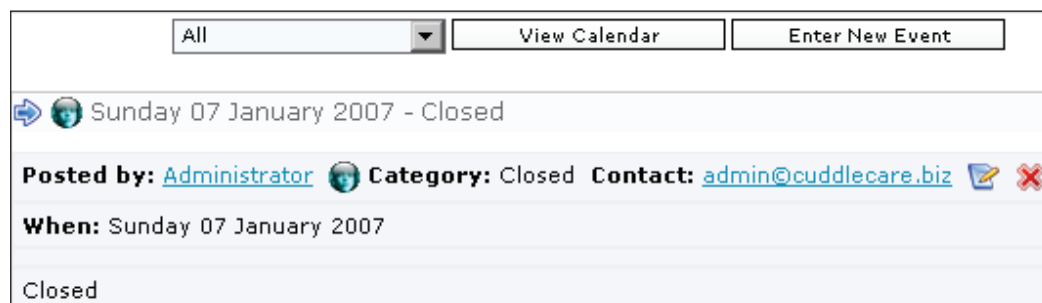
Enter New Event	
Event Date:	Start: 01-07-2007  End: 01-07-2007 
Event Time:	Start: 00  00  End: 00  00  ☒ Check for an all-day event
Recurring:	☐ Check this if event happens on same day every year, e.g. birthday
Event Title: *	Closed
Event Category:	Closed 
Location:	
Recurring:	☐ Check this if event happens on same day every year, e.g. birthday
Event Title: *	Closed
Event Category:	Closed 
Location:	
Event: *	Closed
Contact email:	admin@cuddlecare.biz
* Required Field	
Enter New Event	

Now select **Jan** from the calendar menu and you will see the entry you just made as shown in the screenshot below:



Editing or Deleting a Calendar Event

We all know that nothing is ever certain except for death and taxes so how do we change an event that has already been saved to the calendar? If you look at the screenshot above, you will see there is a hyperlink under the event name **Closed**. Click on it and you will see an edit option screen as shown below:



On this screen you have two options:

- Click on the **Edit** icon to edit the event or;
- Click on the **Delete** icon to delete the entry

Click on the **Edit** icon and you will be taken back to the event configuration screen named **Edit Event**. Make any necessary changes and then select the **Update Event** button.

This plugin is very versatile and with a little imagination can be a valuable and powerful business tool. As with all of the e107 program and core plugins, you can find additional information in the forums at <http://www.e107.org> or in the WIKI at <http://wiki.e107.org>.

RSS Plugin

RSS is an abbreviation for **Really Simple Syndication**. Its basic function is to distribute frequently updated digital content. This information is disseminated via a feed, which can then be subscribed and viewed by means of a program called an **aggregator**. Over the years since RSS was first introduced, it has become increasingly popular. So much so that many of the newer web browsers have the aggregator built into them. You can find additional information about RSS at [http://en.wikipedia.org/wiki/RSS\(file_format\)](http://en.wikipedia.org/wiki/RSS(file_format)).

Now some of you may have remembered when we first installed e107 and viewed our front page that the RSS menu was active and we deactivated it. We are going to go back and reactivate that menu item in a minute but first we want to install the RSS plugin from our core plugins.

Installation

Select **Plugins | Plugin Manager** from the administrator toolbar or the **Plugin Manager** icon from the administrative interface. Now install the RSS plugin. Select configure and you will see a screen as shown below:

Existing RSS feeds							RSS Options
<u>Id</u>	<u>Name</u>	<u>Path</u>	<u>Url</u>	Topic id	<u>Limit</u>	<u>Options</u>	 Listing
1	News	news	news		9	 	 Create
2	Downloads	download	download		9	 	 Import
3	Comments	comments	comments		9	 	 Options
Update							

Existing RSS Feeds

You notice there are existing feeds. These are already active, when installing the plugin, as a default set. If we clicked on the **edit** icon for news and entered **1** under the **Topic id** and selected the **Update** button then the screen will now look as shown below:

Successfully updated						
Existing RSS feeds						
Id	Name	Path	Url	Topic id	Limit	Options
1	News	news	news	1	9	 
2	Downloads	download	download		9	 
3	Comments	comments	comments		9	 
Update						

Import

We are not limited to these existing topics. We can select **Import** from the **RSS Options** menu to import additional feed items. Let's select a couple of feed items. Click on the **Import** option.

- Select the checkboxes with following names in the **Name** field:
 - **Calendar**
 - **Canines > Puppies**
 - **Canines > Dogs**
 - **Feline > Kittens**
 - **Feline > Cats**

rss feed import feeds				
Tick links to mark them for import ...				
import?	Path	Name	Url	Topic id
☐	news	News The rss feed of the news	news	
☒	calendar_menu	Calendar this is the rss feed for the calendar entries	calendar	
☐	content	content this is the rss feed for content category : content	content	1
☐	content	article this is the rss feed for content category : article	content	2
☐	content	review this is the rss feed for content category : review	content	3
☐	content	Birds this is the rss feed for content category : Birds	content	7
☐	content	Fish this is the rss feed for content category : Fish	content	8
☐	content	Reptiles this is the rss feed for content category : Reptiles	content	9
☐	content	Other Animals this is the rss feed for content category : Other Animals	content	10
☐	content	Canines this is the rss feed for content category : Canines	content	11
☒	content	Canines > Puppies this is the rss feed for content category : Canines > Puppies	content	12
☒	content	Canines > Dogs this is the rss feed for content category : Canines > Dogs	content	13
☐	content	Feline this is the rss feed for content category : Feline	content	14
☒	content	Feline > Kittens this is the rss feed for content category : Feline > Kittens	content	15
☒	content	Feline > Cats this is the rss feed for content category : Feline > Cats	content	16

Your screen after selecting the checkboxes will look as shown above. Select the **import ticked links** button, which will navigate you to the **Listing** screen automatically. You will notice that there are hyperlinks for **Id**, **Name**, **Path**, **Url**, and **Limit**. By clicking on these hyperlinks you can change the order of display. For example, if you click on the **Name** link the listing will be sorted by name, etc.

If you click on any of the items under the **Url** category you will be taken to the **RSS Feeds** screen as shown below:

RSS Feeds	
Name	Feed Links
Calendar this is the rss feed for the calendar entries	   
Canines > Dogs this is the rss feed for content category : Canines > Dogs	   
Canines > Puppies this is the rss feed for content category : Canines > Puppies	   
Comments The rss feed of the comments	   
Downloads The rss feed of the downloads	   
Feline > Cats this is the rss feed for content category : Feline > Cats	   
Feline > Kittens this is the rss feed for content category : Feline > Kittens	   
News The rss feed of the news	   

The buttons in the **Feed Links** column to the right represent various RSS aggregator formats. If for instance, you are using the Mozilla Firefox browser and selected the **RSS 1** button next to **Calendar** you will see a screen as shown below. To subscribe to the feed you can select the **Subscribe Now** button.


 Subscribe to this feed using


 Live Bookmarks

☒ Always use Live Bookmarks to subscribe to feeds

Subscribe Now

Cuddle Care Animal Hospital : Calendar
 Cuddle Care provides loving professional medical, surgical, and dental care services for your pet.

Activating RSS on the Front End

Now that we have finished configuring our feeds, we need to make it possible for our users to subscribe to the feeds. This is accomplished by activating the RSS Menu. From the administrative screen select the **Menus** icon or from the administrator toolbar select **Content** | **Menus** and do the following:

- Locate **rss** from the inactive menus list and select it.
- Select the **Activate in Area 1** button.

Now open up a new browser window and view our front page. It will now show the RSS menu in the lower-left side of the screen as shown below:



Search Engines

In the past to rate their site high in the search engines, site owners used a combination of the site description and meta tag keywords. However, some site owners used keywords that had nothing to do with their site's content to draw traffic to their sites. Consequently, for all practical purpose description and meta tags are no longer worth wasting your time. Today, search engine optimization techniques determine one's placement in search engines along with paid for placement. Some small older search engines still use keywords and description so it never hurts to add these to your site. However there are some useful features of this old system that we can use to help us get listed using SEO.

Meta Tags

Select **Settings** | **Meta Tags** from the administrator toolbar or from the administrative screen select the **Meta Tags** icon. Enter the following information to complete the form:

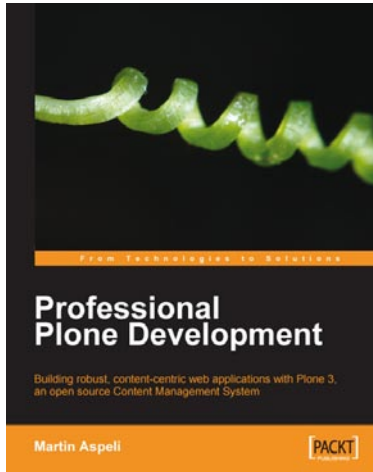
- **Description:** We will enter **Cuddle Care Animal Hospital, Austell, Georgia offers professional veterinary care with the cuddle care touch.**
- **Keywords:** We will enter **veterinary,medicine,vet,Austell,Cobb County,GA,animal** (do not leave space after the coma).
- **Copyright:** We will enter **Copyright 2007, Cuddle Care Animal Hospital.**
- **Author:** You can insert your name or your company name here.
- **Enter Additional Meta Tags:** We will enter `<meta name='author' content='your name and site url' />`.

Meta tags offer us a foot in the door to get our site listed into the search engines. While not as useful as they once were, you should always take advantage of any tool at your disposal to help you promote your website. For a list of the various meta tags and an explanation of their function you can go to <http://www.submitcorner.com/Guide/Meta/>.

Most of you are familiar with myspace.com, yahoo profiles, msn profiles, etc. One of the quickest ways to get into these search engines is to have a link from these profiles. There are many tricks that you will learn over time. Don't forget to submit your site to the search engines and various directories. If you are unfamiliar with how to do this I would recommend you to visit <http://www.selfpromotion.com>. This is a free service that you can use and if you are pleased with the service donations are always accepted. Save your money and don't pay someone bucks for submitting your site to 8000 plus search engines. There are really only a handful of search engines that the majority of people use.

Summary

In this chapter we have learned how to install and configure the newsletter plugin. We learned how to create our first newsletter and how to activate subscriptions. We also learned how to install and configure the Events Calendar and how it can be used to send out advanced notice of upcoming events. In addition we learned a little about RSS feeds and how we can configure them so people can be updated automatically on subscription events. And last we briefly covered search engines and meta tags and provided a couple of useful sites to assist you with site promotion.

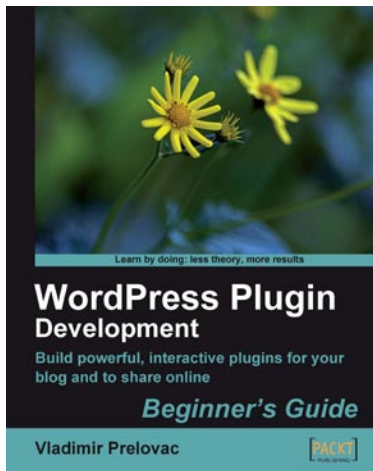


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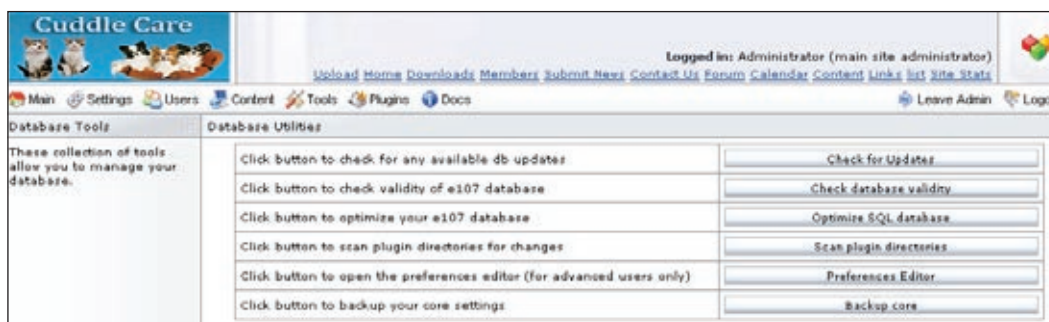
9

Maintenance, Optimization, and Security

We have learned so far how to create, manipulate, and delete data from our e107 site. All that information that we have coded into individual pages is now contained in tables within a database. In this chapter we will look at how to keep e107 running and how to maintain and optimize our database as well as measures we can take to toughen our e107 site against security threats.

Database Utilities

The heart of our e107 website is our database. We can select themes, create and present content, and communicate with the World Wide Web, but if the database does not function properly or efficiently, all our hard work will go in vain. As you can see in the screenshot below, e107 has some fantastic database utilities built right into it. To access the database utilities log in as administrator and either select the **Database** icon from the administrative interface or select **Tools** | **Database** from the toolbar.



Scan Plugin Directories

The Scan Plugin Directories utility checks all installed plugins for any hooked (attached to the main database) parameters and the availability of any custom bbbcodes (bulletin board codes) and shortcodes. It also scans the `plugin.php` file of each plugin for any changes. To run a scan of the plugin directories select **Scan plugin directories** from the **Database** menu. A new screen will appear as shown below:

Plugin: View and Scan			
Scan Completed			
Back			
Plugins			
Name	Directory	Included add-ons	Installed
Alternate Authentication	alt_auth		
Event Calendar	calendar_menu	e_rss e_notify e_list e_search calendar_sql	Installed
Chatbox	chatbox_menu	e_rss e_notify e_list e_status e_search chatbox_sql	
Content Management	content	e_rss e_notify e_list e_meta e_emailprint e_frontpage e_latest e_status e_search e_comment content_sql	Installed
Feature Box	featurebox	e_rss	Installed
Forum	forum	e_rss e_linkgen e_list e_emailprint e_frontpage e_latest e_status e_search forum_sql	Installed
Google Sitemap	gsitemap	gsitemap_sql	
Integrity Check	integrity_check		
Links Page	links_page	e_rss e_notify e_list e_frontpage e_latest e_status e_search e_comment links_page_sql	Installed
Linkwords	linkwords	linkwords_sql	
List	list_new		Installed
Statistic Logging	log	e_meta log_sql	Installed
New Forum Posts	newforumposts_main	newforumposts.sc	Installed
Newsfeeds	newsfeed	e_frontpage	
Newsletter	newsletter		Installed
PDF	pdf	pdf.sc	Installed
Private Messenger	pm	sendpm.sc pm_sql	
Poll	poll	poll_sql	Installed
RSS	rss_menu	e_meta rss_sql	Installed
Trackback	trackback	e_meta	



Always make a complete database backup before working on a database or upgrading e107. In the event that things don't go as smoothly as they should, the only time you will lose is what it takes to restore the database. Most web-hosting companies that offer MySQL will also have phpMyAdmin installed. While you can make backups from MySQL or phpMyAdmin, most inexperienced users will find the later more user friendly. I would also recommend the book *Mastering phpMyAdmin 2.8 for Effective MySQL Management* by Marc Delisle published by Packt Publishing. If you are unsure how to make a backup, please consult your web-hosting technical support about making a complete database backup.

Maintenance Flag

When you are going to perform maintenance on your e107 site, it is always best, to temporarily take it off line. We do this so that information is not lost. For instance if a customer was placing an order through the store while database maintenance was being performed the customer could receive a message stating that the order was completed yet the information might not be updated in the database, which might make the customer unhappy.

To take your site offline select **Tools | Maintenance** from the toolbar or the **Maintenance** icon from the administrative interface. On the **Maintenance Setting** screen, you will see two entry fields. Before we take the site offline, we need to place a message that people will see. Let's add the following text in the **Text to display when site down** field to display information to users when we are performing our maintenance:

Cuddle Care Animal Hospital is temporarily offline for maintenance.

We are located at 3979 Austell Rd in Austell near the intersection of Mulkey Rd. and Austell Rd.

Our hours of operation are Monday, Tuesday Thursday 7 AM to 3 PM, Fridays from 7am to 6pm, and Saturdays 9am to 12pm. We are closed on Wednesdays and Sundays.

Our Phone Number is 770-434-0311.

Select all of the text and click on the **Center Align** button in the WYSWIG editor.

The next step is to check the checkbox next to **Activate Maintenance Flag**. When the maintenance flag is enabled, the site will only be accessible by those with

administrative privileges logging in via the http://www.yoursite.com/e107_admin/admin.php address. Visitors arriving at the main <http://www.yoursite.com> URL will be redirected to <http://yoursite.com/sitedown.php>, which will show the message you just wrote. Next select the **Update Maintenance Setting** button to save our message.

If you open up a new window and select **Home** you will now see our site maintenance message as shown below:



If you want to turn the Maintenance flag off, you will have to uncheck the checkbox. To do so if you have logged off as administrator, you will need to enter via the administrator logon screen at http://www.yoursite.com/e107_admin/admin.php, select **Maintenance** from the administrative interface, uncheck the **Activate maintenance flag** checkbox and then select the **Update Maintenance Setting** button.

Check for Available Database Updates

E107 provides the utility to check for available database updates, which will quickly alert you to any database updates that you may need. This utility is accessed by clicking the **Check for Updates** button. This will take you to a report screen that will look as shown below:

.617 to .7 Update Continued	
Update	Action
Update from .617 forums to .7 forums	Not Needed
Update from .617 content to .7 content	Not Needed
Available Updates	
Update	Action
Update from .70x to .706	Not Needed
Update from .617 to .7	Not Needed
Update from .616 to .617	Not Needed
Update from .615 to .616	Not Needed
Update from .614 to .615	Not Needed
Update from .611 to .612	Not Needed
Update from .603 to .604	Not Needed

Check Database Validity

If you begin to experience problems one of the first things you should do is to check the validity of the database. This MySQL verification can easily be done using the **Check database validity** option available in the **Database Utilities**. For instance, say you received a report that your forum posts were behaving erratically.

Let's perform the following steps to check the database validity of the forum tables:

1. You will first select the **Check database validity** option.
2. An **SQL Verification** screen appears, select the **forum** checkbox.
3. Click on the **Start Verify** button to initiate the check.

The resultant screen will appear as shown below:

Table	Field	Status	Notes
forum	forum_id	OK	
forum	forum_name	OK	
forum	forum_description	OK	
forum	forum_parent	OK	
forum	forum_sub	OK	
forum	forum_datestamp	OK	
forum	forum_moderators	OK	
forum	forum_threads	OK	
forum	forum_replies	OK	
forum	forum_lastpost_user	OK	
forum	forum_lastpost_info	OK	
forum	forum_class	OK	
forum	forum_order	OK	
forum	forum_postclass	OK	
forum	PRIMARY KEY (forum_id)	OK	
forum_t	thread_id	OK	
forum_t	thread_name	OK	
forum_t	thread_thread	OK	
forum_t	thread_forum_id	OK	
forum_t	thread_datestamp	OK	
forum_t	thread_parent	OK	
forum_t	thread_user	OK	
forum_t	thread_views	OK	
forum_t	thread_active	OK	
forum_t	thread_lastpost	OK	
forum_t	thread_s	OK	
forum_t	thread_edit_datestamp	OK	
forum_t	thread_lastuser	OK	
forum_t	thread_total_replies	OK	
forum_t	PRIMARY KEY (thread_id)	OK	
forum_t	KEY thread_parent	OK	
forum_t	KEY thread_datestamp	OK	
forum_t	KEY thread_forum_id	OK	

[Back](#)

Optimize SQL Database

This function is used to clean up your database and make it perform more efficiently. Instances where optimization would be used would be if you have installed a plugin and then uninstalled it or you have pruned your forum by moving or deleting data.

Select the **Optimize SQL database** button from the **Database Utilities**. This will initiate the optimization process and provide you with a completion message when it has finished.

Backup Core

Before installing any plugins that have hooks into the core database, it is best to back up your core database files. This way, if the plugin doesn't perform properly and you corrupt your core data while uninstalling the plugin, it can easily be restored. To run this utility you simply select the **Backup core** option from the **Database Utilities**.



The Backup Core function is not the same as making a complete database backup.

Security

There is a remarkable amount of security coded into e107. For the beginner, the default file settings should be sufficient. If you are really paranoid about security, you can rename the directories; however, I would not recommend this unless you are comfortable editing PHP files. One of the things you can do is to make sure that the **register_globals** directive is set to **On** in your PHP installation. To verify this:

Select **Tools | PHP Info** from the toolbar or the **PHP Info** icon from the administrative interface. After selecting the **PHP info** option, if you see a blank screen then your web-hosting service might have disabled this function from executing. If this happens you can ask your web-hosting support for the information. If the register globals are there and you have your own server then set them to **On**.

File Uploads

File uploads are controlled through the `filetypes.php` file located in the directory `/public_html/e107_admin/ e107_admin/`. By default, the file types included are:

zip, gz, jpg, png, gif

If you attempt to upload a file with an extension that is not contained in the `filetypes.php` file you will get an error message saying:

The filetype application/pdf is not allowed and has been deleted.

To correct this to the following:

- Download the `filetypes.php` file from the `/public_html/e107_admin/e107_admin/` directory.
- Open the downloaded file in Notepad or a similar text editor. Place a comma after the last file name, leave one space, and then enter the file type. Note that you don't have to include a period at the start of the file type. For instance if you wanted to add the file type **swf** to the file types, your list would look like the following: **zip, gz, jpg, png, gif, swf**
- When you have finished, save the `filetypes.php` file and upload it back to the `/public_html/e107_admin/ e107_admin/` directory overwriting the existing file.



Never allow `.htm`, `.html`, `.xhtml`, `.shtml`, `.xml`, `.php`, `.doc`, `text`, or similar files as they may be embedded with JavaScript or other malicious code or executable script.

Passwords

One of the best ways to keep your sites secure is to change your passwords frequently and use sufficiently complex passwords to make the task of cracking/hacking difficult. One way is to use a combination of upper and lower case letters with numbers. Passwords should no be less than six alphanumeric characters but nine are recommended.

You should not include your name, names of members of your family, your date of birth, their date of birth, anniversaries, or combinations of this information. These are the first things that a skilled hacker will use. For the curious, open your web browser and do a search on "Common Methods to Hack Websites". You will find a wealth of information about how passwords are hacked easily.

For a quick way to generate a password, go to <http://www.techzoom.net/security-password.asp> or do a search on password generation for similar sites. Just remember that as admin, you will need to change the password to your MySQL server password as well or you will receive an error message that you are unable to connect with the database due to an invalid password.

Security & Protection Preferences

To set security and protection preferences for the site, log in, go to the administrative interface, select the **Preferences** option, and then click on **Security & Protection**. Now change the settings as shown in the screenshot below except select the **Filter profanities?** checkbox to filter profanities and then provide a list of words in the **Filter Words** field.

Site Preferences	
Security & Protection	
Enable SSL Only enable SSL if you are sure you know what you are doing!	☐ On ☒ Off
Enable Image-code verification during signup.:	☒ On ☐ Off
Enable Image-code verification during login.:	☐ On ☒ Off
Enable Image-code verification during forgotten password.:	☐ On ☒ Off
Secure signup verification -- hide password in email?:	☒ On ☐ Off
Disallow multiple logins: Activating this will prevent more than one person logging in with the same username/password (login detail sharing)	☐ On ☒ Off
User Tracking method:	☒ Cookies ☐ Sessions Cookie name (if cookies selected): a107cookie
Filter profanities? if checked swearing will be replaced with string below	☐ On ☒ Off
Replace string:	[censored]
Filter words:	 words to censor, separate with a comma
Enable flood protection?:	☒ On ☐ Off
Flood timeout:	10 Time required in seconds between 2 posts for areas where users can post (chatbox, forums...). if a user post too fast, he will be redirected to the homepage
Auto Ban If someone is attacking your site by multiple requests to your server, his IP will be automatically banned ! Don't replace a correct server config !!!	Flood & Failed Login
Use reverse DNS to allow host banning Turning this option on will allow you to ban users by hostname, rather than just IP or email address. NOTE: This may affect pageload times on some hosts	☐ On ☒ Off
Display warning when main administrator password hasn't changed for at least 30 days:	☒ On ☐ Off
Save Changes	

For more information on the settings for maintaining security as shown in the screenshot above you can refer to Chapter 3.

Summary

In this chapter, we examined setting the maintenance flag, checking for database updates, checking database validity, optimizing your SQL database, scanning plugin directories, and making a backup of your core files. We also discussed file uploads, password complexity, and setting security and protection preferences.



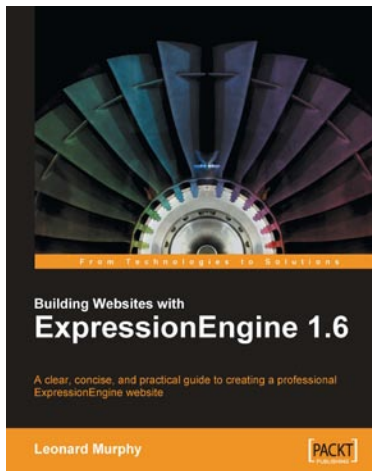
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A Resources

e107 Resources

You only need to do a search in your search engine of choice to find resources. Below are just a few of the many resources available that will be of use to you. Of course, do not forget that one of your best sources for learning is Packt Publishing, which has a continually growing list of titles.

Official Sites

- <http://www.e107.org>: This is the official e107 Content Management Site. Here you will find the latest versions, updates, bug tracking and documentation, and forums.
- <http://wiki.e107.org>: The official WIKI for e107. Here you will find additional information not covered in this book, animated tutorials, and more advanced e107 features.
- <http://www.e107coders.org>: This site is dedicated to the discussion and creation of plugins for the e107. Here you will find common specifications for plugin creation, can request free/fee plugins, and can upload or download existing plugins.
- <http://www.e107themes.com>: This site is the official non-commercial themes site for e107. Here you will find additional themes for your e107 site.
- <http://www.e107faq.org>: This site contains information on frequently asked questions and also has a valuable code snippet library for code writers.
- <http://www.e107tutorials.org>: This site offers step-by-step visual tutorials to help e107 users to install and configure various plugins.

Other Sites

- <http://e107hacks.org>: This site offers work-around solutions commonly referred to as **hacks** that are not available as a feature of plugins or core programs.
- <http://e107.connetek.com>: The author's website offers e107 web hosting, FAQs, and downloads to accompany this book.

World Sites

- **e107 France**: <http://e107france.org>
- **e107 UK**: <http://e107uk.co.uk>
- **e107 Hungary**: <http://e107hungary.org>
- **e107 Netherlands**: <http://e107.nl>
- **e107 Denmark**: <http://e107.dk>
- **e107 Germany**: <http://www.cms-myway.com>
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- **e107 Sweden**: <http://www.e107.se>
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Resources for Running e107 on a Windows OS

The following is a partial list of sites that offer a combination of Apache, PHP, and MySQL as a package for installation on computers running the Windows operating system. These installations will allow you to install the necessary tools to run e107 on your windows machine without having to install and debug each program individually.

- **XAMPP:** <http://www.apachefriends.org/en/index.html>
- **Easy PHP:** <http://easyphp.org>
- **WAMPSEVER:** <http://www.en.wampserver.com>

Apache Resources

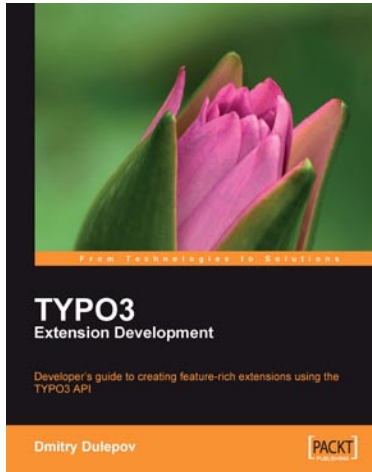
- <http://www.apache.org>: The Apache Software Foundation provides support for the Apache community of open-source software projects.

PHP Resources

- **PHP Net:** The <http://www.php.net> website is the official site for PHP.
- **PHP Freaks:** The <http://www.phpfreaks.com> website provides you with information to use while learning or developing PHP and MySQL. Additionally, it offers help for Apache, MySQL, Javascript, CSS, XML, and much more.
- **PHP Builder:** The <http://www.phpbuilder.com> website is a resource for PHP tutorials, templates, PHP manuals, and content management.

MySQL Resources

- **MySQL:** The <http://www.mysql.com> website is the official site of MySQL, the world's most popular database application.



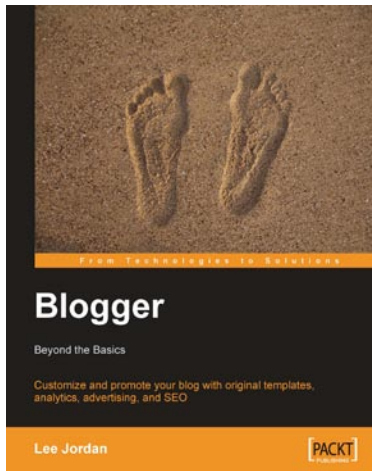
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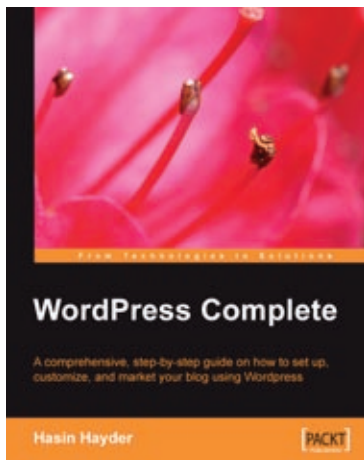
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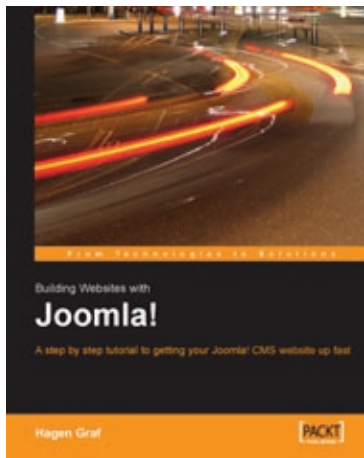
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