Table of Contents

Document Statistics and Readability

Documentation for Version:	Version S4 Build 0.3
Number of Pages:	22
Words:	3,538
Characters (no spaces):	21,564
Characters (with spaces):	24,792
Paragraphs:	601
Lines:	817
Passive Sentences:	16%
Flesch Reading Ease:	48.0
Flesch-Kincaid Grade Level:	10.9

What is Cerberus?

In Greek mythology, Cerberus is the gargantuan 3-headed beast that guards the entrance of Hades so that no living man may enter and no dead man may leave. In Boolean and Binary, 1 is on (or alive) and 0 is off (or dead).

What is Cerberus Content Management System?

Cerberus Content Management System is a modular, organized, quickly executing, minimal resource using Content Management System that is written in the PHP programming language; its G.U.I. (Graphical User Interface) and sub-Programs are fully customizable; the process of implementation and addition of Themes, sub-Programs, background-Programs, Web Pages, Documents and files of any kind is greatly **simplified** for the **user(s)** and **administrator(s)** of the system.

Cerberus Content Management System is written in a way to be forward and backward compatible with several PHP versions and is 100% PHP (utilizing any SQL engine) code with 100% HTML output and 0% JavaScript.

File Transfer Protocol

Requirements:

1.) Cerberus Content Management System
2.) File Transfer Protocol Program

If running the Windows ® Operating System you can download, for free, an FTP program by the name of SmartFTP which can be found @ http://www.SmartFTP.com or FlashFXP which can be found @ http://www.FlashFXP.com or you can use the FTP that is built into the Windows ® Operating System by opening your web browser and typing FTP://YOURWEBSITEHERE.COM/ORG/NET/ETC. If running a Linux Distribution, you can use the FTP Program that is built-in-to your Operating System.

Steps:

1.) Upload the contents of Cerberus Content Management System located in the root of the Cerberus Content Management System directory (folder) into a directory (folder) on your web server.
2.) Point your web browser to the 'install.php' file located in the root of the Cerberus Content Management System directory (folder) on your web server.
3.) Input the required information.
(If your web server is configured to disallow the direct injection of SQL tables into your desired database, then you may want to generate the SQL tables and prefix by executing the SQL generator script – the link to the SQL generator script can be found at the bottom of the installation page, the link to the SQL generator script connects to:
root->System->Default->MySQL->index.php – Generate the SQL tables and prefix, copy them all, paste them into your SQL manager/editor and inject them into your database.**)**
4.) Input your desired Username and Password. A password consisting of 8 characters alphanumeric is recommended as your password will be hashed using the MD5 encryption algorithm and then double hashed for later comparison in the authentication system.
5.) Once you have executed the Install Administrator step you will be redirected to the login page: ?app=Login (Module: root->Module->User->Login). Input your previously injected User information to login.

First Setup

Once you have been successfully authenticated, you will be redirected to the Member cPanel (Control Panel) by default. Proceed to the Administration cPanel (Control Panel) by clicking on the cPanel link which can be found within the Block entitled: "Administration". The Administration cPanel (Control Panel) controls all aspects of Cerberus Content Management System and thus your web site or web portal. Click on the icon that says, "Settings" to begin customizing your web site or web portal.

This section will explain, in detail, each of the Administration Modules (19 of them) and their functions.

Here is a list of all Administration Modules:

Administrators, Applications, Backup, Banish, Blocks, Bot_Monitor, Categories, cPanel, Forum, Modify, Polls, Publish, Ranks, Referrers, Settings, SQL_Query, Submissions, Web_Pages, phpinfo.

While each Modules name may self-explain its corresponding function(s), there is, following this paragraph, a detailed explanation of each Module and its function(s).

[Administrators]

Overview

The Administrators Module (root->Module->Administration->Administrators) allows the administrator to control the access and details of each member as well as send System Messages to each member.

Member Settings

To modify the access or details of a member, first select the Member Name from the drop down menu and click select. A form with the Member Name, Member Access (Member or Administrator), Member Banishment Status (Off or On), Member E-Mail Address, Member Experience, Member First Name, Member Last Name, Member Number of Post(s), Member Password (not shown) and Member Rank. You can edit the previous fields as necessary and click Update to update the database.

System Message

To send a System Message to a Member, select the Member Name from the drop down menu and type a message to be sent to the Member, after you have written the message click Send to send the message.

[Applications]

Overview

The Applications Module (root->Module->Administration->Applications) allows the administrator to Install an Application, Delete an Application, Modify an Application and Upload an Application.

[Backup]

Overview

The Backup Module (root->Module->Administrator->Backup) allows the administrator to backup files, delete backup archives and download backup archives.

Backup Files

To backup files, input the filename(s) (separated by a comma), directory or an asterisk (* to backup all files) and click Backup. The system will compress the filename(s), directories or all (*) to a downloadable .zip archive.

[Banish]

Overview

The Banish Module (root->Module->Administrator->Banish) allows the administrator to ban a specific or range of IP addresses. This module was implemented to assist administrators control the flow of their web site or web portal in case of a spammer, DDOS (Dynamic Denial of Service) or e-bomb attack on the web site or web portal. The system will recognize the IP address of the machine connected to the web site and automatically redirect the user to an extremely low bandwidth web page within the Theme directory (<1kb) so that very little bandwidth is transferred to the spammer, DDOS or e-bomb attacker.

Banish an IP Address

To banish an IP address you must know the IP address of the machine, you can find the IP address of the machine by looking at the Referrer Module (See: Referrer Module Section) and find the IP address of the spammer, DDOS or e-bomb attacker. You can also banish an entire range of IP addresses by inputting the IP minus the last set of digits.

[Blocks]

Overview

The Blocks Module (root->Module->Administrator->Blocks) allows the administrator to Install a Block, Modify a Block, Delete a Block, Upload a Block and Move a Block Up or Down. The blocks are the square or vertical rectangles on the left and right side of the web site or web portal whereas the Module is situated in the center or middle section. Blocks are useful tools for displaying texts, links, images, audio, video, advertisements or anything that could be helpful or useful for the user or administrator.

[Spam-'Bot Monitor]

Overview

The Spam-'Bot Monitor ('Bot, short for robot) (root->Module->Administration->Bot_Monitor) allows the administrator to monitor and delete potential Spam-'Bot accounts. In the unlikely event that the 'bot is able to register an account (Register Module should prevent this), this Module will allow you to delete it.

[File Categories]

Overview

The File Category Module (root->Module->Administration->Categories) allows the administrator to Install a File Category, Modify a File Category and Delete a File Category. This Module is used for managing File Categories for use with the File View/Upload/Download System.

[Forum]

Overview

The Forum Module (root->Module->Administration->Forum) allows the administrator to Install a Forum, Modify a Forum, Delete a Forum, Install a Topic, Modify a Topic, Delete a Topic, Post a Message, Modify a Message and Delete a Message. This Module is used for discussing topics within a forum.

[Publish]

Overview

The Publish Module (root->Module->Administration->Publish) allows administrator to Publish News, Publish Articles and Send Mass E-Mail to Registered Members.

[Ranks]

Overview

The Ranks Module (root->Module->Administration->Ranks) allows the administrator to change the name of each rank. Rank is given to each member. When a member acquires more posts and experience by posting messages and creating activity in the web site or web portal the member is given a higher rank. However, rank can also decline if the member is given bad ratings by other members.

[Referrers]

Overview

The Referrers Module (root->Module->Administration->Referrers) allows the administrator to view all activity on the web site or web portal. The administrator can examine the Visitor (Member Name), Visitor's Page Views, Time Visited, IP Address of Visitor and the Browser type the Visitor is using.

[Settings]

Overview

The Settings Module (root->Module->Administration->Settings) allows the administrator to change the core settings of the web site or web portal. The settings which can be changed are: Safe-HTML program directory (this is the script that contains all of the allowed tags which can be used in posts, such as [b][/b] for bold [i][/i] for italic, etcetera. See: System Section for more information), Safe-HTML Program Status (Off or On), Amount of Time to Stay Logged-In (In Seconds), GZIP Compression (Off or On), Image Extension (For Theme: bmp, png, jpg, jpeg, gif, etcetera.), Default Language Directory (You can download additional language packs.), Offline Mode (Off or On, generally used for updating the web site or web portal without it being tampered with), Web Site Title, Smiley-Face(s) Directory (You can download additional Smiley-Face(s) Packs), Sound Extension (mp3, wav, midi, etcetera which is used by the Theme (if enabled)), Theme Directory and Upload Size Limit Public and Private (In bytes).

[SQL Query]

Overview

The SQL Query Module (root->Module->Administration->SQL_Query) allows the administrator to inject SQL code into the database being used by Cerberus Content Management System.

[Submissions]

Overview

The Submissions Module (root->Module->Administration->Submissions) allows the administrator to check and publish any text submitted by registered members. This module is especially useful if you are using Cerberus Content Management System for news and or articles.

[Web Pages]

Overview

The Web Pages Module (root->Module->Administration->Web_Pages) allows the administrator to Install Links, Delete Links, Modify Links, Install Web Pages, Delete Web Pages and Modify Web Pages. You can insert text and html into any of the text fields.

Public and Member Modules

This section will explain, in detail, each of the Public and Member Modules (34 of them) and their functions.

Here is a list of all Public and Member Modules:

All_News, All_Shouts, Articles, Change_Password, Comment, Contact_Admin, cPanel, Documentation, Edit_Profile, Email, Files, Forum, Friend, Legal, Links, List, Login, Members, Members_Online, News, Polls, Private_Files, Private_Message, Profile, Referrers, Register, Reset_Password, Search, Send_Friend, Statistics, Submit_News, System_Message, Upload, Webspace.

While each Modules name may self-explain its corresponding function(s), there is, following this paragraph, a detailed explanation of each Module and its function(s).

Module			All News
Location	**Default Permission**	**SQL**	
Root->Module->User->All_News	*ALL*	Retrieve	
Function			
View and Print All News.			

Module			All Shouts
Location	**Default Permission**	**SQL**	
Root->Module->User->All_Shouts	*ALL*	Insert, Modify, Retrieve, Delete	
Function			
Post, Modify, View and Delete Messages.			

Module			Articles
Location	**Default Permission**	**SQL**	
Root->Module->User->Articles	*ALL*	Retrieve	
Function			
View All Articles.			

Module			Change_Password
Location	**Default Permission**	**SQL**	
Root->Module->User->Change_Password	Member, Administrator	Retrieve, Update	
Function			
Change Password			

Module			Comment
Location	**Default Permission**	**SQL**	
Root->Module->User->Comment	Member, Administrator	Insert, Modify, Retrieve, Delete	
Function			
Post, Modify and Delete Messages			

Module			Contact_Admin
Location	**Default Permission**	**SQL**	
Root->Module->User->Contact_Admin	Member, Administrator	None	
Function			
Allows a Member to Contact the Administrator @ Provided E-Mail Address.			

Module			cPanel
Location	**Default Permission**	**SQL**	
Root->Module->User->cPanel	Member, Administrator	None	
Function			
Displays Links to all Registered Member Functions (6 of them).			

Module			Documentation
Location	**Default Permission**	**SQL**	
Root->Module->User->Documentation	*ALL*	None	
Function			
Displays Links to Documentation for Cerberus Content Management System hosted on Source Forge.			

Module			Edit_Profile
Location	**Default Permission**	**SQL**	
Root->Module->User->Edit_Profile	Member, Administrator	Insert, Retrieve, Update	
Function			
Allows the Member to Edit Profile.			

Module			Email
Location	**Default Permission**	**SQL**	
Root->Module->User->	Member, Administrator	Retrieve	
Function			
Allows the Member to E-Mail other Members without revealing the E-Mail Address.			

Module			Files
Location	**Default Permission**	**SQL**	
Root->Module->User->Files	Member, Administrator	Retrieve	
Function			
Displays File Categories and their Contained Files.			

Module			Forum
Location	**Default Permission**	**SQL**	
Root->Module->User->Forum	Member, Administrator	Insert, Retrieve, Update, Delete	
Function			
Allows the Member to Post, Delete and Update Messages.			

Module			Friend
Location	**Default Permission**	**SQL**	
Root->Module->User->Friend	Member, Administrator	None	
Function			
Allows the Member to Add and Delete Member Names to their Friend List.			

Module			Legal
Location	**Default Permission**	**SQL**	
Root->Module->User->Legal	*ALL*	None	
Function			
Displays Copyrights.			

Module			Links
Location	**Default Permission**	**SQL**	
Root->Module->User->Links	*ALL*	Retrieve, Insert	
Function			
Allows the Member to View and Post Links along with a Description of Posted Link.			

Module			List
Location	**Default Permission**	**SQL**	
Root->Module->User->List	*ALL*, Member, Administrator	Retrieve	
Function			
Displays a List of * Avatars, Smiley-Face(s), Member Files, Ranks and Safe-HTML Code.			

Module			Login
Location	**Default Permission**	**SQL**	
Root->Module->User->Login	*ALL*	Retrieve	
Function			
Allows the Member to Authenticate.			

Module			Members
Location	**Default Permission**	**SQL**	
Root->Module->User->Members	Member, Administrator	Retrieve	
Function			
Allows the Member to View a List of other Members and Administrators.			

Module			Members_Online
Location	**Default Permission**	**SQL**	
Root->Module->User->Members_Online	Member, Administrator	Retrieve	
Function			
Allows the Member to View a List of all online Members.			

Module			News
Location	**Default Permission**	**SQL**	
Root->Module->User->News	*ALL*	Retrieve	
Function			
Allows anyone to view the most recent News item.			

Module			Polls
Location	**Default Permission**	**SQL**	
Root->Module->User->Polls	Member, Administrator	Insert, Retrieve	
Function			
Allows the Member to View and Participate in Polls.			

Module			Private_Files
Location	**Default Permission**	**SQL**	
Root->Module->User->Private_Files	Member, Administrator	None	
Function			
Allows the Member to Upload and Delete Files to their Personal Web Space.			

Module			Profile
Location	**Default Permission**	**SQL**	
Root->Module->User->Profile	*ALL*	Retrieve	
Function			
Allows anyone to view a Member Profile.			

Module			Referrers
Location	**Default Permission**	**SQL**	
Root->Module->User->Referrers	Member, Administrator	None	
Function			
Allows the Member to view a list of Referrers.			

Module			Register
Location	**Default Permission**	**SQL**	
Root->Module->User->Register	*ALL*	Insert, Retrieve	
Function			
Allows anyone to Register an Account.			

Module			Reset_Password
Location	**Default Permission**		**SQL**
Root->Module->User->Reset_Password	*ALL*		Retrieve, Insert
Function			
Allows the Member to Reset the Account Password.			

Module			Search
Location	**Default Permission**		**SQL**
Root->Module->User->Search	*ALL*		Retrieve
Function			
Allows anyone to Search a Query.			

Module			Send_Friend
Location	**Default Permission**		**SQL**
Root->Module->User->Send_Friend	Member, Administrator		None
Function			
Allows the Member to Send a Link to an E-Mail Address.			

Module			Statistics
Location	**Default Permission**		**SQL**
Root->Module->User->Statistics	*ALL*		Retrieve
Function			
Allows anyone to view the web site or web portals Statistics.			

Module			Submit_News
Location	**Default Permission**		**SQL**
Root->Module->User->Submit_News	Member, Administrator		Insert
Function			
Allows the Member to Submit Texts.			

Module			System_Message
Location	**Default Permission**		**SQL**
Root->Module->User->System_Message	Member, Administrator		Retrieve
Function			
Allows the Member to View Messages sent by an Administrator.			

Module			Upload
Location	**Default Permission**		**SQL**
Root->Module->User->Upload	Member, Administrator		Retrieve, Insert
Function			
Allows the Member to Upload Files.			

Module			Webspace
Location	**Default Permission**	**SQL**	
Root->Module->User->Webspace	Member, Administrator	None	
Function			
Allows the Member to Modify the index.html Document within their Web Space.			

System Scripts

This section will explain, in detail, each of the System Scripts that are within the System directory.

Root->System->Configuration

Class_Database.php

The Class_Database.php file contains the object code and functions required to connect to the database easily and efficiently. Each function is called upon throughout most of Cerberus Content Management Systems index and Modules.

Main_Access.php

The Main_Access.php file contains the variables required to authenticate the database, most administration setup information such as, email, secure server URL and unsecure server URL.

Main_Configuration.php

The Main_Configuration.php file includes the database access and class files as well as contains the variables required to display Cerberus Content Management Systems Version, Link to the Version Checker and Web Site URL.

Root->System->Default->Denied

Index.php

The index.php file within this directory contains the message that all users will see when attempting to view the contents of a directory. Each directory contains an index.php file that redirects to this index.php. If you would like to change the directory listing denial message you can do so by editing this file.

Root->System->Default->Friend

Friend.cerb

The Friend.cerb file contains the characters {}. This file is copied to the Root->Member->Friend directory and renamed to a Member Name when a Friend is added to the Friends List.

Root->System->Default->MySQL

Index.php

The index.php file within this directory contains the MySQL generator used when installing Cerberus Content Management System. The file and its directory are deleted when the installation finishes.

Root->System->Register

Register.html

The Register.html file is copied to the newly created directory of a Member when the Member Registers an Account and contains the default HTML that the Member sees in their personal web space.

Root->System->RSS

icon_rss

The icon_rss image is the default image that the viewer of the RSS feed will see. This icon can be changed to any icon of any size or shape and of any image extension.

Root->System->Language

English->Language.cerb

The Language.cerb file contains all of the echo variables written in the English language. You can download additional language packs and upload them to the Language directory, after which, new language options will be available.

Root->System->Log

User

The User directory contains the Log file which keeps record of all Public and Member activity on the web site or web portal.

Root->System->Printable

Article and News

The Article and News directories contain the Printable Text Versions of all Published News and Article items.

Root->System->Safe-HTML

default->Safe-HTML.cerb

The Safe-HTML.cerb file contains the functions required to strip dangerous HTML and JavaScript tags from posts on the web site or web portal. You can download additional Safe-HTML packs and upload them to the Safe-HTML directory, after which, you can select other packs from the Administration Settings Module.

Root->System->Smiley

default

The default directory contains the Smiley-Face images required for posting Smiley-Face(s) in Safe-HTML code. You can download additional Smiley-Face(s) packs and upload them to the Smiley directory, after which, you can select your preferred Smiley-Face(s) directory from the Administration Settings Module.

Themes

This section will explain how to create your own theme, download a premade theme and upload your created or premade theme.

The excellent thing about Cerberus Content Management Systems Theme System is you can make your web site or web portal look however you would like. You can change the web site or web portal format, arrangement of blocks/modules, size of blocks/modules, graphical interface, CSS and audio with very little programming, graphics and HTML knowledge.

The Theme directory contains a theme folder or set of theme folders which have a name. This is known as the Theme. The default theme that is packed with Cerberus Content Management System is the theme called Cerberus. You cannot change the names of the contained directories, images or files.

The Theme File System is setup like this:

Directory	File(s)	Function(s)
Audio	Rank_1-5.ext	Audio Files (If Enabled) Will Play When Logged-In.

Directory	File(s)	Function(s)
HTML	Banned.html, Offline.html	Displays the Banned and Offline Message(s).

Directory	Directories	Function(s)
Image	Article, Background, Banner, Block, File_Categories, Forum, Icon, Icon_Administration, Icon_Avatar, Icon_Member, Module, Poll	Contains the required Image Directories.

Directory	File(s)	Function(s)
Image->Article	Folder_Closed.ext	Serves as the *Locked* Article Permission Icon.

Directory	File(s)	Function(s)
Image->Background	Background.ext	Serves as the Background Image used by the Theme. Can be included or excluded via the Themes CSS File.

Directory	File(s)	Function(s)
Image->Banner	Banner.ext	Serves as the Banner Image used by the Theme. Can be included or excluded via the Theme.php file.

Directory	File(s)	Function(s)
Image->Block	1, 2, 3, 4, 5, 6, 7, 8, 9.ext	Serves as the Block Image used by the Theme. Split into 9 parts.

Directory	File(s)	Function(s)
Image->File_Categories	Folder_Closed, Folder_File.ext	Serves as the File System Image(s). Displayed in the File System.

Directory	File(s)	Function(s)
Image->Forum	Forum_Closed, Forum_Locked, Forum_Open, Topic_Closed, Topic_Locked, Topic_Open.ext	Serves as the Forum Image(s). Displayed in the Forum System.

Directory	File(s)	Function(s)
Image->Icon	favicon.ico, Icon_Delete, Icon_Download, Icon_Edit, Icon_Email, Icon_Print, Icon_SendToFriend, No_Image.ext	Serves in various places. The favicon.ico is used as the browser icon when the web site or web portal is bookmarked.

Directory	File(s)	Function(s)
Image->Icon_Administration	Icon_, Administration, Application, Backup, Banish, Block, Categories, Logout, PHP, Poll, Publish, Ranks, Referrers, Settings, SQL, Submissions, Web_Page.ext	Serves as the Administration Sections Icons.

Directory	File(s)	Function(s)
Image->Icon_Avatar	Default.ext	Serves as the default Avatar used in Posts. You can add as many images here as you would like. Adding images allows the Members to choose from each Avatar in this directory.

Directory	File(s)	Function(s)
Image->Icon_Member	Icon_, Files, Friend, Messages, Password, Profile, Web_Page.ext	Serves as the Member Section Icons.

Directory	File(s)	Function(s)
Image->Module	1, 2, 3, 4, 5, 6, 7, 8, 9.ext	Serves as the Module Image, Split into 9 parts.

Directory	File(s)	Function(s)
Image->Poll	Poll_, 1, 2, 3, 4, 5.ext	Serves as the Poll Percentage Line, used by the Poll System.

Directory	File(s)	Function(s)
Style_Sheet	Style.css	Serves as the one and only CSS, included by all main php files.

Directory	File(s)	Function(s)
Text	Legal.txt	Serves as the Legal and © information included by the Legal Module.

Directory	File(s)	Function(s)
Root	Theme.php	Contains the code required to string together the Theme Format, Block and Module situation and layout of the web site or web portal.

Now we will look at creating a theme. To create a theme, first think about how you would like your theme to look. When you have thought up a design open your graphics program, create your graphics and save them to the theme folder, give your theme a name by naming the theme folder and proceed to opening the Theme.php file with a simple non-formatting text program. Write your Theme code and save.

Simply upload your theme to the Theme directory, proceed to the Administration->Settings Module and change the default theme.

You can download premade themes and theme packages from:

http://www.sourceforge.net/projects/cerberuscms