

BlogCFC

Welcome to BlogCFC, a ColdFusion based blogging application. BlogCFC is in use by over five hundred unique sites and has numerous features. If you run into problems with this blog, or have any ideas, please contact me. (Contact and support information below.)

License and Credits

Copyright 2006 Raymond Camden

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

I request the following if you use my blog:

- 1) Please link back to my blog at <http://ray.camdenfamily.com>.
- 2) If you find any bugs, or have any suggestions, please email me at ray@camdenfamily.com. You can also go to the BlogCFC Forums at <http://ray.camdenfamily.com/forums/forums.cfm?conferenceid=CBD210FD-AB88-8875-EBDE545BF7B67269>. You may also go to the BlogCFC Project page at <http://ray.camdenfamily.com/projects/blogcfc>.
- 3) If you *really* like the blog, you can always send me something from my wishlist, located here: www.amazon.com/o/registry/2TCL1D08EZEYE

Contributors

Many users have provided support, both in bug reports, suggestions, and even code, for this project. I cannot thank them all, but please note that I appreciate your work. BlogCFC would **not** be what it is today without the support of its community of users. I'd like to call out a few special contributors below.

BlogCFC makes use of the design/css skills of **Scott Stroz**.. His wishlist may be found here: <http://www.amazon.com/o/registry/3OQX89CUTAV1X>. Scott handled the "No more table" conversion of my layout for BlogCFC5, as well as providing design help in general and bug testing all around.

Jeff Coughlin and **Charlie Grier** spent a lot of time and energy on the Related Entries feature. This was a significant new feature of BlogCFC5. Jeff's wishlist may be found here: <http://www.amazon.com/o/registry/3MZKP36I6JCTL>. Charlie's may be found here: <http://www.amazon.com/gp/registry/registry.html/103-6263653-9438218?%5Fencoding=UTF8&type=wishlist&id=YLEZ85Q4LPCI>

BlogCFC makes use of code from **Paul Hastings** (paul@sustainableGIS.com). Paul was a great help in adding localization to the blog. Many thanks go to him. We also make use of a custom tag (coloredCode) from Dain Anderson (webmaster@cfcomet.com). Many other people have helped with contributed bug fixes and ideas.

BlogCFC makes use of LylaCaptcha (<http://lyla.maestropublishing.com/>) by Peter J. Farrel. Please note that his code has a license as well. It may be found in org/captcha/lylaCaptchaLicense.txt. Brian Rinaldi (<http://www.remotesynthesis.com/blog/>) wrote an excellent article on integrating BlogCFC and Lyla. His article and code was used to add this feature to BlogCFC.

Requirements

BlogCFC requires ColdFusion MX 6.1 or BlueDragon 6.2. Print support is only enabled in ColdFusion MX 7.

If you use the Developer Version of ColdFusion MX, a token is added to each request that will interfere with the RSS support as well as the Related Entries support in the administrator. The Developer edition should not be used for production sites. If testing BlogCFC on a Developer edition server, you will not be able to use the Related Entries feature.

Note – for MySQL, only the 4.1x release is supported. You **cannot** use the default MySQL 3 DSN type that ships with ColdFusion. To use MySQL, you must follow the directions here: <http://www.adobe.com/go/6ef0253>. I am not currently testing with MySQL 5, but it should work.

Access users should not use the "Access with Unicode" driver type. They should use the "Access" drive type.

Installation

When you unzip the installation package, you will have three main directories, client, org, and install. The client folder represents the main blog application. If your web site will only contain the blog, then obviously this folder will be your web root. The org folder should be placed under web root. This folder contains the CFCs used by the blog application. The install folder contains miscellaneous files to help you install the blog. This folder should be removed from your web root.

Next, decide which database you want to use. In the install folder you will find a mysql.sql file, a sqlserver.sql file, and a MS Access database. These are the three database types supported by BlogCFC. Pick the one you plan on using it and set up a database. Set up a datasource pointing to your database. Open the blog.ini.cfm file from /org/camden/blog folder. Find the default section, dsn key, and edit the value. Set the dsn value to what you set in the ColdFusion Administrator. Set blogDBType to either MSSQL (for SQL Server), MYSQL (for MySQL), or MSACCESS (for Access).

Note – for MySQL, only the 4.1x release is supported. You **cannot** use the default MySQL 3 DSN type that ships with ColdFusion. To use MySQL, you must follow the directions here: <http://www.adobe.com/go/6ef0253>. I am not currently testing with MySQL 5, but it should work.

You also need to ensure blogdbtype matches your database. This is described in the **Blog Ini File** section.

Note: The blog.ini.cfm file is described in more detail later in this document. READ THIS: The blog.ini.cfm file is cached. This means if you visit the blog and make a change to the ini file, it will NOT be reflected. To refresh the blog's cache, visit your blog with ?reinit=1 at the end of the URL or use the Administrator.

Note to folks using non-Latin languages: Your DSN needs to be set up correctly. See this blog entry by Paul Hastings for more information:

<http://www.sustainablegis.com/blog/cfg11n/index.cfm?mode=entry&entry=F9553D86-20ED-7DEE-2A913AFD8651643F>

Also – for those using SQL Server – you may want to edit the collation settings, or remove them, in order for your database to work correctly. Those using SQL Server with an English blog should (probably) not need to worry.

You have two choices for placement of the org folder. If there will only be one blog on the box, you can simply place the org folder under the client folder. If you will have multiple blogs, you should place the org folder in any location you want, but then set up a mapping called "org" that points to the folder you placed the org files. To repeat - no mapping is necessary if you place the org folder under the client folder.

BlogCFC makes use of SES (Search Engine Safe) URLs. You may have to update your ColdFusion install in order to make this work. Please see the Adobe tech note here: <http://www.adobe.com/go/2addd247>

At this point, your blog should actually be working, but obviously you will have no entries. In order to add entries, you should go to the BlogCFC administrator. If your blog URL is: <http://localhost/blog>, then the administrator would be <http://localhost/blog/admin>. You will be prompted to logon. Use **admin** for the username and **admin** for the password. You should change this password **immediately** or sometime soon. There is no interface to do this so you will have to manually edit the password in the database.

Once you are logged in, you will see a menu at the top of the page. To add a new entry, simply click **Entries**. This will display a simple table of entries (currently empty of course) and a link to add a new entry. Click that and enter your first entry. Since this is your first entry, you will need to create a new category for your entry. Save the entry, and then visit your blog and you should see the new entry.

The Blog INI File

In the previous section, I described editing the Blog INI file (org/camden/blog/blog.ini.cfm) to set the DSN. There are other settings you should edit as well. You do not have to edit this by hand. There is an administrator tool for editing this file. Here is a typical set of entries:

```
[default]
dsn=blogdev
owneremail=ray@camdenfamily.com
blogURL=http://ray.camdenfamily.com/index.cfm
blogTitle=BlogDev
blogDescription=The Dev Blog
blogDBType=MSSQL
locale=en_US
users=admin
commentsFrom=
mailserver=
mailusername=
mailpassword=
pingurls=
offset=-1
allowtrackbacks=1
trackbackspamlist=phentermine,casino
blogkeywords=
ipblocklist=
maxentries=10
usecaptcha=1
```

The section name, [default], refers to the name of the blog. If you have only one blog, leave this as default. If you have more than one blog on a server, you will want to copy the [Default] section and give it a new name, like [Other Blog]. You will then want to edit the Application.cfm file in the client folder and modify these lines:

```
<!-- Edit this line if you are not using a default blog --->
<cfset blogname = "Default">
```

The dsn obviously points to the datasource for your blog. BlogCFC supports multiple blogs in one DSN.

Owneremail should be your email address. This is used when comments are posted to your blog.

BlogURL should point to the URL of your blog. BlogURL **MUST** include the index.cfm file at the end. So if your blog is located at blog.org, do not simply use: http://www.blog.org. Instead, use the full URL: http://www.blog.org/index.cfm.

blogTitle and blogDescription are used in the RSS feed and in the main layout's top title bar.

blogDBType should either be MSSQL (for SQL Server), MYSQL (for MySQL), or MSACCESS (for Access).

Locale is the locale setting for your blog. This is not a standard ColdFusion locale value, but a standard Java locale.

Users are the users allowed to use the blog. If you do not specify a list of users, any user in the admin table can use the blog.

By default, comments are emailed out using a “from” address of the person who sent the email. If you set a value for commentsFrom, the email will instead be marked with that address. What that means is that when a user posts a comment to a blog entry, each email sent to the unique users of the thread will get an email from the address specified in that setting.

By default, the blog will send emails using the mail server specified in the ColdFusion Administrator. If you want to override that setting, use the mailservers, mailusername, and mailpassword settings. You do not need to specify the username and password if your mail server doesn't require authentication.

The pingurls setting lets you add ping support to your blog. This is described later in this document in the Ping section.

The offset property allows you to offset the posted dates of your blog entries. So if your blog server is in EST and you live in the CST timezone, you can use offset=-1 to have the times of blog entries reflect your timezone.

The allowtrackbacks property should be 1 or 0 to reflect true or false for allowing trackback support on your blog. Trackbacks are a way for people to link to your blog entries in a way so that they show up in your entries as well. Unfortunately, trackbacks tend to be spammed quite a bit. If you simply do not want to deal with trackback spam, just disable the feature.

Talking about spam – there are two ways to fight trackback spam in BlogCFC. You will get an email every time someone adds a new trackback. In that email will be a link you can click to delete the trackback. The "nuclear" option is the trackbackspamlist. If any word from this list appears in the trackback, the trackback entry will **not** be added to your blog. The person adding the trackback will **not** get a warning, but will simply not see their trackback show up.
Note: The trackbackspamlist also checks comments as well!

The blogkeywords setting will be used in the meta tag of your blog. This should describe, in general, the content you plan on blogging about. It should be a list of keywords, separated by a comma. Spaces are ok. Here is an example: coldfusion, star wars, lost

The ipblocklist setting is a set of IPs that are prevented from adding comments or trackbacks to the blog. This could be used to block spammers or other people who may abuse your blog.

The maxentries list controls how many entries are shown on your blog at one time.

The usecaptcha setting determines if CAPTCHA checking is turned on. If this setting is true, a reader will be forced to enter text from a CAPTCHA image before adding comments.

Layout Options

The look and feel of your blog is controlled by files in the client directory. The main file you will want to examine is /tags/layout.cfm. This, along with /includes/styles.css, control most of the look and feel of the blog. Other files you may want to look at: index.cfm controls the display of entries. If you wanted to modify how an entry is shown, you would modify this file. The file /tags/podlayout.cfm controls the display of pods (right hand content).

Editor Options

When working with blog entries, there are a few special tags and features that you can use to enhance your entries:

<more/>: Sometimes a blog entry may be very long. It is preferable to show only a portion of the entry on the main blog and have the detailed link contain the entire entry. By using the <more/> tag in your blog entry, any text after the <more/> tag will only show up on the individual entry display. You **must** include the closing / in the tag. When blog entries are emailed, only the text before the <more/> tag is included.

<code>: The code tag allows you to wrap sets of code that you want to show up in your entry. For example:

This is a sample entry. Blah blah blah. Here is some code..

```
<code>
<cfif thisTag.executionMode is "end">
    <cfexit>
</cfif>
</code>
```

This is more text in the entry.

Any code inside the `<code>` block will be escaped (< and > tags changed to < and >), color coded, and will have line breaks changed to `
` tags.

Entries can have "enclosures", which are simply attached files. This is a handy way to attach a resource to a blog entry. One of the features of BlogCFC is that if you attach an image, the file will also be included at the top of the blog entry. This is a handy and simple way to display an image with a entry.

Pods

"Pods" is simply my term for the blocks of content in the right hand column. These tags are loaded by the /tags/layout.cfm file. To ensure a common look and feel, each pod file should use the /tags/podlayout.cfm file. This controls the size and tabular look of the pods. There are multiple pods included in the zip. You can modify/add/delete these to suit your tastes.

Caching

The blog makes use of scopeCache, a custom tag I developed to enable easy RAM caching. You should be aware, however, that this caching means changes to layout may not be reflected immediately. You can either disable the tag in the index.cfm file, or you can simply refresh the cache using the Administrator. Caching will be automatically refreshed whenever you add, edit, or delete an entry. Basically, you need not worry about it unless you are working on the layout.

Security Options and Multi-User Blogs

Blog 3.5 added support for multiple blogs and users per dsn. To add, edit, or delete users, you must edit directly in the database itself. Any user defined in the tblUsers table will have access to all the blogs that exist in the database. You can use the blog.ini.cfm file to limit users to particular blogs. Please see the Blog Ini section for more information.

Internationalization

BlogCFC makes use of a resource bundle CFC developed by Paul Hastings (and with slight modifications by myself). All strings (things like button labels, etc) are controlled by a properties file in the includes directory. By default, the blog uses main_en_US.properties. If you specify another locale in the Blog ini file, then the Blog will attempt to load that particular resource bundle. To create a new resource bundle in your language, copy the en_US file and make sure you translate each and every setting.

Comment Notification

By default, when a user posts a comment to a thread, the administrator for the blog will get an email. Users also have the option to subscribe to a thread. When they do, they will automatically get notice when another user posts to the thread. Users have two options to unsubscribe. If they post again, and do not check the "Subscribe" checkbox, they will be removed from the thread, even though they subscribed earlier. The email sent out also contains a link to unsubscribe. If you want to modify how comment notifications look, edit addcomment.cfm. You will see where the email is generated. Everything there is pretty straightforward except for the %unsubscribe% token. This is a special value that gets replaced with the unsubscribe URL and values specific to the person getting the email. Note that as the owner of the blog, you get emails for all postings. The unsubscribe link will be marked as unavailable.

By default, all emails sent out will be marked with a footer that identifies the BlogCFC application and gives credit to Raymond Camden. You have the right to remove this footer, or modify it as you see fit.

Using Aliases

BlogCFC makes use of UUIDs to identify blog entries. Some folks do not care for these URLs. A feature of BlogCFC is the ability to give an alias to an entry. So for example, a blog entry on Star Wars could have an alias of "starwars." To load an entry with it's alias, you must use this syntax:

```
index.cfm?mode=alias&alias=starwars
```

SES URLs and Aliases

BlogCFC version 3.8 added support for SES URLs. So, a typical URL could look like so:

<http://host/client/index.cfm/2005/7/12/Testing-my-new-title-maker>

By default, when you make a new blog entry, an alias using the year, month, date, and title will be created. You do not need to worry about this typically. The only potential problem will be if two (or more) entries in the same day have the exact same title, or a title similar enough so that they create the same shortened version.

If you have problems with the SES URLs, please see this technote: <http://www.adobe.com/go/2addd247>. Also ensure your blogURL property has "index.cfm" in the value.

Stats

To view stats for your blog, simply go to stats.cfm. This file is **not** password protected. If you want, you can make it only available to admins by simply copying the same security check used in editor.cfm:

```
<cfif not isUserInRole("admin")>
    <cfabort>
</cfif>
```

Ping

Some blog aggregators support 'ping', which simply means a way to tell the aggregator that you have updated your blog. This is typically done by simply loading a URL. For aggregators that support this feature, you can ping them from your blog when you add a new entry. Simply add the ping URL to the pingurls setting in the blog.ini.cfm file. You can supply multiple ping URLs by simply separating them with a comma.

Note - BlogCFC supports Technorati pings. In order to ping Technorati, simply add @technorati to your blog.ini.cfm file in the pingurls setting. This can be by itself, or with any other ping URL.

BlogCFC also supports the Weblogs API (<http://www.weblogs.com/api.html>). To ping weblogs.com, add @weblogs to your ping list.

BlogCFC also supports Icerocket. To ping them, add @icerocket to your list of pingurls.

RSS

BlogCFC makes use of RSS 2.0. You can offer RSS 1.0 support by simply adding version=1 to the RSS URL. So if your normal RSS URL is:
<http://ray.camdenfamily.com/rss.cfm>

You would use this to offer RSS 1.0:

<http://ray.camdenfamily.com/rss.cfm?version=1>

It is certainly ok to offer both RSS feeds to your visitors, but only RSS 2.0 will support enclosures.

Enclosures

BlogCFC 3.9 added support for enclosures. These are media files associated with a blog entry. This allows support for pod casting. While you can attach any file to a blog entry, normally you will want to attach an MP3 file. Once a file is attached, it will show up in the entry as a download, and be displayed in the RSS 2.0 feed. If you enclose an image, it will also be automatically added to the blog entry in the top left corner.

Subscribers

BlogCFC allows folks to subscribe to your blog. When a person subscribes, they will receive each and every posting you write. They will not receive an email if you simply edit an existing post.

Print Format

BlogCFC offers a print format version of blog entries. This is only supported on ColdFusion MX 7. If you are not running BlogCFC on ColdFusion MX 7, you will not see the Print link.

Google Site Maps

BlogCFC now supports Google Site Maps. Google Site Maps are a way to let Google know the 'map' of your site. For BlogCFC, this is simply a listing of all the blog entries. More information may be found here:

<https://www.google.com/webmasters/sitemaps/docs/en/about.html>

BlogCFC uses the file, googlesitemap.cfm, in the root of the client folder to enable site map support. Note - I have problems using a CFM file with Google. I found that Google would only accept my file when I added a URL parameter at the end to 'fake' an XML file. In other words, I provided a URL like so:

<http://www.foo.com/googlesitemap.cfm?ext=xml>

This URL variable was ignored by the code, and seemed to please Google. As you know, we must all please Google!

Scheduled Releases

BlogCFC supports delayed entries. This means you can write an entry now that won't be displayed until later in the day. Subscribers will not get an email on the entry until the entry is published. BlogCFC will automatically add a scheduled event to handle the entry release.

Draft Mode

BlogCFC technically doesn't support a draft mode, but an entry can be saved with the Released setting to false. This means that the entry will not be shown on the blog. If you want to write an entry and save it without publishing it, simply set the Released value to false.