



Framework Settings Guide.

Introduction

In order to create a ColdBox application you must adhere to some naming conventions (look at eventhandlers) and a directory structure. This is needed in order for ColdBox to find what it needs and to help you find modules easier. It is up to you to organize your code. The only required naming convention is for the event handlers. As for the views and layouts, well that is up to you.

ColdBox Naming Conventions:

Views (Optional) : All of my views start with 'vw'
ex: vwMyview.cfm, vwHello.cfm

Layouts (Optional) : All of my layouts start with 'Layout.'
ex: Layout.Main.cfm, Layout.Open.cfm, Layout.Popup.cfm

Event Handlers (**Required**):
All event handlers method calls follow this regular expression
"`^eh[a-zA-Z]+\.(dsp|do|on)[a-zA-Z]+`"
ex: ehGeneral.doLogin, ehTools.doParse, ehGeneral.dspHome
All event handlers start with 'eh' + the name.
ex: ehGeneral.cfc, ehLuis.cfc, ehTools.cfc, ehBase.cfc

ColdBox Application Directory Structure:

```
| ApplicationRoot
|---+ config (REQUIRED where your config.xml.cfm file goes)
|---+ handlers (REQUIRED where your event handler cfc's go.)
|---+ layouts (REQUIRED where all your layouts go)
|---+ views (REQUIRED where all your views go)
|---+ system (REQUIRED The ColdBox system folder)
|---* Application.cfc (Application.cfm for MX 6 or BlueDragon)
|---* index.cfm (The file that includes coldbox.cfm)
|---+ includes (OPTIONAL where your includes go.
|      REQUIRED for i18N resource bundle locations.)
|---+ images (OPTIONAL where your images can go)
|---+ model (OPTIONAL where your model cfc's go)
```

ColdBox System Requirements:

- ColdFusion MX 6.0 and above
- Application scope enabled
- Session scope enabled
- Client scope enabled for the messagebox and clientstorage plugins only.

Do I place a copy of ColdBox in every Application?

Since every ColdBox application needs the system folder to be in the root of the application folder, you can use a central location in your OS for your coldbox system folder and then just use a symbolic link to it. This is for those Unix/Linux/Mac OS X flavored OS. As for windows,

you will need to use a special software to do this such as: Link Magic at <http://www.rekenwonder.com/linkmagic.htm>. However, if you do this, then you will have to update the coldbox system folder manually, the auto-update features will not work. This method will save space and the issue of maintaining several coldbox installations for multiple applications. However, you lose the auto-update feature, which I know most of us would prefer to do a manual replace of the system.

Quick Start

How to start? Start off by copying the ApplicationTemplate folder to your web root and name it to something you want. Then, the first place to start is your config/config.xml.cfm file. Open it and adjust it to your liking. You can read the config.xml guide in order to understand all the variables in this file.

Then you need to change the name property of your Application.cfc or Application.cfm template. So open the file Application.cfc and change the this.name property to whatever you want it to be. Remember that every application will need its own name property. Also, please note that ColdBox uses the client scope for some plugins and the session scope for the controller. So both of these scopes will need to be active in order for the framework to work.

Once you have completed editing the config.xml file make sure that you now go to your CFMX administrator and create the CFMX mapping if needed. If your application lies on the root of your server, then you do not need a mapping. The mapping will be left blank.

Now that you have a mapping, if used, you will need to alter the default event handler provided, ehGeneral, in order to extend the base eventhandler.cfc located in the system folder of your current application. Every event handler that you code needs to extend this base cfc. Open the file and enter the name of the mapping in the extends property. Your extends property should look similar to the one below:

```
extends="MyMapping.system.eventhandler"
```

Now that you have completed editing your config, Application.cfc and your first event handler, you are ready to see results. Point your browser to your application folder and you will see a message display:

Welcome to Coldbox!!

Now get your mind out of procedural code, dive into OO Programming. Please make sure to fasten your seat belts, it WILL GET BUMPY!!

NOTES:

Please note that in order to use the clientstorage and the messagebox plugin you will need to have the client scope activated.

AuthorEmail	The ColdBox author's email address.
AuthorWebsite	The ColdBox author's website address.
ChildApp	A boolean showing if you are currently running a child application or the master application.
Codename	The codename of your current ColdBox installation.
ConfigFileLocation	The physical path to the current running's application config.xml.cfm
ConfigFileSchemaLocation	The physical path to the ColdBox Config File Schema, config.xsd
Description	The description of the framework.
DistanceString	The distance string (relative path) to the parent application. This only applies if you are running a child application. You can use this setting to retrieve images, layouts, etc, from the parent application using this relative path.
DistanceToParent	The numeric representation of the distance string to the parent application. It tells you how many directories below your child application is from the parent.
ModifyLogLocation	The physical path to the ColdBox readme.txt file.
OSFileSeparator	The File System Separator of your current running operating system.
ParentAppPath	The physical path of your parent application. This only applies if your are running a child application.
Suffix	A suffix to the ColdBox installation codename.
FrameworkAPI	The link to the live API of ColdBox
FrameworkBlog	The link to the ColdBox live forums
FrameworkPath	The physical path to the current running ColdBox installation.
FrameworkPluginsPath	The physical path to the current running ColdBox plugins folder.
Version	The current version of your ColdBox installation.



click to collapse	C:\Users\LuisMajano\Documents\Local Work\Sancti\Box\applications\framework\system\admin
Author	Luis Majano
AuthorEmail	lmajano@gmail.com
AuthorWebsite	http://www.coldbox.com
ChildApp	true
Codename	TestBox
ConfigFileLocation	C:\Users\LuisMajano\Documents\Local Work\Sancti\Box\applications\framework\system\config\config.xml.cfm
ConfigFileSchemaLocation	C:\Users\LuisMajano\Documents\Local Work\Sancti\Box\applications\framework\system\config\config.xsd
Description	This is the TestBox ColdFusion Framework for web applications.
DistanceString	../..
DistanceToParent	2
ModifyLogLocation	C:\Users\LuisMajano\Documents\Local Work\Sancti\Box\applications\framework\system\config\readme.txt
OSFileSeparator	.
ParentAppPath	C:\Users\LuisMajano\Documents\Local Work\Sancti\Box\applications\framework\..
Suffix	(empty string)
TestBoxAPI	http://luis.coldbox.com/majano/v3/inspecta/feedback/index.cfm
TestBoxBlog	http://luis.coldbox.com/majano/v3/blog
TestBoxForum	http://luis.coldbox.com/majano/v3/forum
TestBoxPath	C:\Users\LuisMajano\Documents\Local Work\Sancti\Box\applications\framework\system\..
Version	1.2.0