

CFDefect.

This document explains how to install and use CFDefect. I have planned to write a separate technical review document which will list details about various design principle employed in this application. Please feel free to contact me at qasimrasheed@gmail.com if you have any questions. I would like to take an opportunity to thank Ray Camden for his wonderful product Lighthouse Pro, which is the inspiration for this application. Ray was also kind enough to let me use the DB schema and application feature from Lighthouse in this application.

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Pre-requisites:

1. ColdFusion MX 7 (It might work on CFMX 6.1 although I haven't tested it.
2. Fusebox framework (version 5.1) (www.fusebox.com)
3. ColdSpring Framework (www.coldspringframework.com) Latest version with import tag support.
4. Reactor Framework. (<http://livedocs.reactorframework.com>)

Installation

Database:

SQL scripts for creating required tables are included with the distribution zip under install folder. There are scripts for mySQL, SQL Server and Oracle. I believe it will be quite trivial to modify those for other RDBMS. Please bear in mind that Access is not supported.

Application:

Following mappings are required for this application to work

1. /coldspring for ColdSpring Framework.
2. /reactor for Reactor Framework
3. /fusebox5 for Fusebox framework (Optional). If you do not have this mapping, copy the fusebox 5.1 core files from fusebox site..

The provided zip has two folders.

1. cfdefect – a set of core files. Please copy them under webroot or create a mapping in CF Admin name “/cfdefect”.
2. cfdefect_site – files for your site. You can copy this any where under you web accessible folder.

Configuration:

Once all files are unzipped, open appconfig.xml under config directory in your favorite XML editor. List below are different configuration settings

1. AppTitle: This is the name of your application that will be displayed as page title and email subject.
2. attachmentPath: Path to the folder where issue attachments are kept.
3. xsltPath: location of xslt that are used for reports. Default should be fine unless you have moved the provided xslt or created your own.
4. mailServer (Required) : as ColdFusion default will not be used.
5. mailDefaultFrom: From address this will be used in emails generated from the system
6. mailCSS: CSS file for html emails. For the most part you do not have to change this since print CSS are included with core distribution.

Now let's discuss Reactor Configuration within the same appconfig.xml file

1. project: The directory under /reactor/project in which Reactor will put generated base code. Do not modify this.
2. dsn: Name of your datasource
3. username: Datasource user name.
4. password: Datasource password.
5. type: type of database i.e. oracle, mssql, mysql4 etc.
6. mapping: Directory in which Reactor will put your project's custom generated files. Do not modify this.
7. mode: indicate the conditions under which reactor will regenerate files.

Running CFDefect:

If you have followed the installation instruction, CFdefect should be ready to use and you can browse to the site using your favorite browser to:

`http://~yourservername~/cfdefect_site`

You will be prompted to login. For starter that default username is 'admin' with password 'password'. You will want to change this immediately of course. Now let's briefly discuss various section of CFDefect.