ColdFire

Welcome to ColdFire, a ColdFusion debugger/Firebug extension meant to allow for nicer handling of debug information. For the latest releases and technical support, please go to the official ColdFire site:
http://coldfire.riaforge.org

If you like this project, please consider supporting the creators at their Amazon wishlists:
Raymond Camden http://www.amazon.com/o/registry/2TCL1D08EZEYE
Adam Podolnick http://www.amazon.com/gp/registry/wishlist/2IX25DTK2ITG6/ref=wl_web
Nathan Mische http://www.amazon.com/gp/registry/wishlist/1PMU5WXR9RZNJ/ref=wl_web/

License and Credits

Contributors

Many people helped us create ColdFire. This list is not complete, so please know that this was a group effort and your feedback is always appreciated.

- Thank you to Thomas Messier for the use of his JSON code.
- Thank you to Sean Corfield for writing the JBoss documentation.
- Thank you to Net Grow Web Design for the use of their JavaScript dump method.

Installation

Firefox and Firebug

ColdFire is an extension to the Firebug Firefox extension. This means you must have both the Firefox web browser (http://www.mozilla.org/firefox) as well as the Firebug extension (www.getfirebug.com) installed. There are different version of the Firebug extension available

and ColdFire has been designed to work with specific versions. If you are using Firefox 2 you will want to install either the latest Firebug 1.1 or 1.2 release. If you are using Firefox 3 you will want to install the latest Firebug 1.2 release.

ColdFire

To install the ColdFire extension, go to the File/Open dialog in Firefox. Select the coldfire.xpi appropriate for you your installation and open it. If you are using Firefox 2 and Firebug 1.1 this will be the coldfire_v1.1.XX.XX.xpi. If you are using Firefox 2 or 3 with Firebug 1.2 this will be the coldfire_v1.2.XX.XX.xpi. Be sure to restart Firefox when asked.

Next you need to find your ColdFusion installation folder. Typically this will be C:\ColdFusion8. ColdFire was tested on ColdFusion 8, but should work in ColdFusion 6 & 7. Under your ColdFusion installation folder, find the wwwroot\WEB-INF\debug folder. Copy coldfire.cfm to it.

Go to your ColdFusion Administractor, enable debugging, and select coldfire.cfm from the drop down. Ensure your IP is listed or that there is no IP restriction in place.

Once you have done that you should then be able to view ColdFusion debug information from within it's tab in the Firebug tool. Obviously you need to hit a ColdFusion page to see the debugging information.

Where ColdFire *Doesn't* Work

ColdFire makes use of CFHEADER to supply debug information to the browser. Because of this there are certain places where ColdFire will not be able to work. First - if you use CFFLUSH anywhere on the page, ColdFire is unable to add header information to the request. Secondly - there are situations where certain tags will implicitly flush output. One example is CFTIMER/ type="inline". Any use of this tag and attribute combination will result in ColdFire not returning any data.

Special Instructions for JBoss

JBoss has a default maximum HTTP header size of 4Kb in total. You can modify it by editing the following file:

{jbossdir}/server/{servername}/deploy/jbossweb-tomcat55.sar/server.xml

You need to add (or modify) the maxHttpHeaderSize to allow larger packets. Here's the top portion of a modified server.xml file (set to allow 64Kb total headers so it still won't allow giant swathes of execution time reports but it should cover most cases).

```
<Server>

<!-- Use a custom version of StandardService that allows the
connectors to be started independent of the normal lifecycle
start to allow web apps to be deployed before starting the
connectors.
-->
<Service name="jboss.web"
className="org.jboss.web.tomcat.tc5.StandardService">

<!-- A HTTP/1.1 Connector on port 8080 -->
<Connector port="8080" address="${jboss.bind.address}"
maxThreads="250" strategy="ms" maxHttpHeaderSize="65536"
emptySessionPath="true"
enableLookups="false" redirectPort="8443" acceptCount="100"
connectionTimeout="20000" disableUploadTimeout="true"/>
```