

QRcfc released on RIAforge.org

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I've released the first version of a ColdFusion QR barcode generator on <http://qrcfc.riaforge.org/>.
It is a CFC based wrapper for the Google ZXing barcode Java library <http://code.google.com/p/zxing/>.

There is a demo here: [ColdFusion QR barcode generator](#)

This demo above is a form that allows you to pick a format and post the required data to 'qr.cfc'. qr.cfc then uses the javaloader library (<http://javaloader.riaforge.org/>) to load in two jar files that translate the argument strings into a bitmatrix, which you can output as a QR image.

It requires at least a JVM of 1.5 to be running, the demo above does work, but I've discovered that this server is running 1.4, I have a service request 'in' to have it updated to 1.6

Also the svn release uses cfimage to create the output image, if you are running ColdFusion server 7 or below this won't work (cfimage was introduced in ColdFusion 8) so you'll need to do something like this:

```
<cfset buff = converter.toBufferedImage( bitMatrix ) />
<!-- convert it to a CF compatible image --->
<!-- CF 8 version <cfset createdImage = ImageNew( buff ) />-->

<cfset strPath = ExpandPath( "." ) />
<cfset strPath = strPath & 'images\'>

<cfscript>
    saveToFile = strPath & 'myBarcode.png';
    ImageIO = createObject("java", "javax.imageio.ImageIO");
    outputStream = createObject("java", "java.io.FileOutputStream").init(saveToFile);

    // formats ie "png", "gif", ....
    wasWritten = ImageIO.write( buff, "png", outputStream);
    outputStream.close();

    createdImage = 'images/myBarcode.png';
</cfscript>
```

QR data formats

The biggest hurdle with this project is the format of each of the QR types. Most of them are different in some way. This is why there is a series of functions in the CFC. As it is an open platform it seems to have developed organically, so the format for an email is different from a vcard, for example.

Thanks to...

http://matez.de/qr_codes/?show=MEBKM and <http://www.qr-barcodes.com/data-formats/> - for string format examples.

Also thanks to Leigh of <http://cfsearching.blogspot.com> who was a great help with cfimage issues and it was his blog articles that inspired me to look into this.