

# Accessing ColdFusion Services From Flex Applications

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# Who?

**Lead RIA Developer**

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# What?

**Integrating ColdFusion services into non-ColdFusion systems and applications**

**Utilise powerful features whilst minimising coding and maximising functionality**

**Improving workflow and developer collaboration across language divides**



# Why?

**Because ColdFusion is incredibly powerful**

**Rapid Application Development**

**It's awesome fun**





**COLDFUSION CODE NINJAS // ALL OF YOU**



# **CF9** gave us...

**Object-relational mapping (ORM)**

**Enhanced Document Manipulation**

**Enhanced AJAX controls**

**Sharepoint integration (portals)**

**ColdFusion Builder**

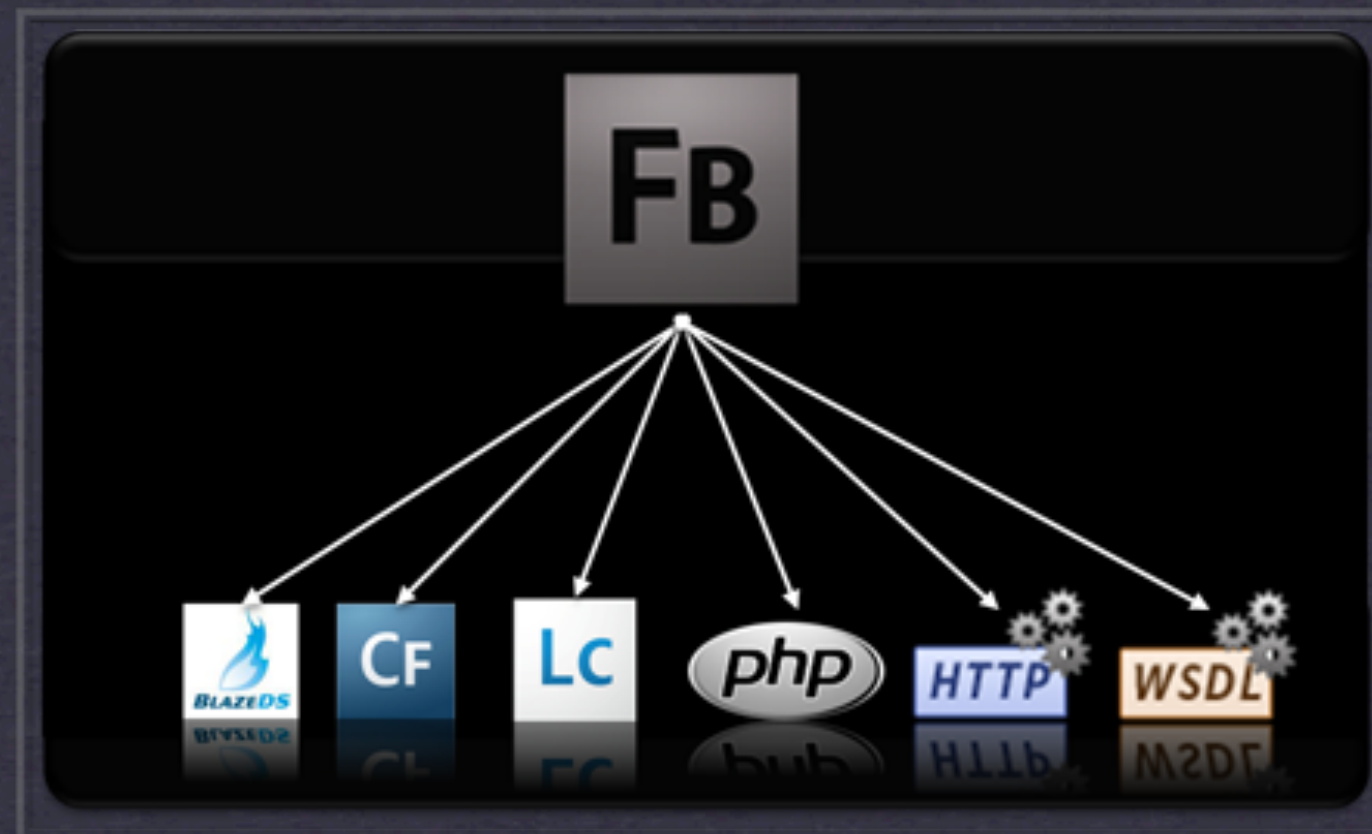
**Exposed Service Layer (CFaaS)**

**and much more...**



# Remote Services







Connect to Data/Service



Explore Service



Configure Return Type



Bind Component to Data





LET'S **DEMONSTRATE** // DATA CENTRIC DEVELOPMENT



# Exposed Service Layer





Chart



Document



Image



PDF



Mail



Pop

WHAT IS AVAILABLE? // EXPOSED FUNCTIONALITY



# ColdFusion as a Service

(or how to share the **awesome**-ness with  
other **developers** and other languages)





**`http://[server]:[port]/CFIDE/services/`**

**`http://localhost:8500/CFIDE/services/mail.cfc?wsdl`**

**`http://localhost:8500/CFIDE/services/document.cfc?wsdl`**

**`http://localhost:8500/CFIDE/services/chart.cfc?wsdl`**

**ACCESSING SERVICES // WEB SERVICE**



## Chart

generate

## Document

generate

## Image

AddBorder

batchOperation

Blur

Crop

Flip

GetEXIFMetaData

GetEXIFTAG

GetHeight

GetIPTCMetaData

GetIPTCTag

GetWidth

GrayScale

Info

Negative

Overlay

Resize

Rotate

ScaleToFit

Sharpen

Shear

## Mail

send

## PDF

addWatermark

convertArrayOfStructToPDFPageDetailArray [private]

deletepages

extractImage

extractPages

extractText

getInfo

mergeFiles

mergespecificpages

processDDX

protect

removewatermark

setinfo

thumbnail

## POP

delete

getAll

getHeaderOnly

**AVAILABLE SERVICES // WHAT YOU CAN DO WITH IT**



# Restricted Access

to exposed services through the  
ColdFusion Administrator





# ActionScript Proxy Classes



## ColdFusion:

```
<cfmail to="requests@guitar-hero.com"  
        from="me@my_email_address.com"  
        subject="More Kenny Loggins" />
```

## AS Proxy in Flex:

```
<cf:Mail to="requests@guitar-hero.com"  
        from="me@my_email_address.com"  
        subject="More Kenny Loggins" />
```



**Import the cfservices.swc file (from ColdFusion 9 install):**

**typically in /CFIDE/scripts/AIR/ directory**

**Add ColdFusion namespace to your Flex application**

**xmlns:cf="coldfusion.service.mxml.\*"**

**Write some code**

**That bit's over to you...**

**HOW EASY IS IT? // VERY**





LET'S DEMONSTRATE // BUILDING AN APPLICATION



# USEFUL REMINDERS

## ColdFusion Connection:

```
<cf:Config id="conf"  
    cfServer="localhost"  
    cfPort="8500"  
    serviceUserName="demoUser"  
    servicePassword="demoPassword" />
```

## Define a Method:

```
<cf:Image id="getImageInfo"  
    action="info"  
    source="{dragImage.source}"  
    result="imageInfoResult(event)"  
    fault="onFault(event)" />
```

## Execute (in a nice way):

```
getImageInfo.execute();
```





**STRESS-FREE** UPLOADS // UTIL CLASS MAGIC



# USEFUL REMINDERS

## Upload URL:

```
uploadUrl.url = "http://" + conf.cfServer + ":" + conf.cfPort + "/" + Util.UPLOAD_URL;  
uploadUrl.method = "POST";  
uploadUrl.contentType = "multipart/form-data";
```

## Util Class Generates:

```
http://localhost:8500/CFIDE/services/upload.cfc?METHOD=uploadForm
```

## Get Remote Location:

```
uploadedFileUrl = Util.extractURLFromUploadResponse(event.data.toString());
```





WHY **SHOULD** YOU **CARE?** // BECAUSE YOU'RE AWESOME



Full code on github:

<https://github.com/coldfumonkeh/ColdFusion-Dev-Week-Demos>

CFaaS method cheat sheet:

<http://www.mattgifford.co.uk/updated-cfaas-method-cheat-sheet>

**TRY IT YOURSELF // THINGS TO HELP YOU**





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