

# cf\_imageCropper

## Description

Creates an image that can be cropped client-side. This tag will also capture the cropped dimensions in hidden form fields which can then be used on submit of the form to crop the image on the server. cf\_imageCropper must be nested within a <form> or <cfform> since it will create hidden form fields that contain the crop information.

## Category

Image manipulation.

## Syntax

```
<cf_imageCropper
  required
  imageCropperName="String"
  imgSrc="path to valid img"
  optional
  scriptSrc="Path"
  imgAlt="String"
  minWidth="Numeric"
  minHeight="Numeric"
  maxWidth="Numeric"
  maxHeight="Numeric"
  displayOnInit="Boolean"
  xRatioDim="Numeric"
  yRatioDim="Numeric"
  x1onLoad="Numeric"
  x2onLoad="Numeric"
  y1onLoad="Numeric"
  y2onLoad="Numeric">
</cf_imageCropper>
```

## History:

8/2007: Created Tag

## Attributes:

Attribute	Req/Opt	Default	Description
imageCropperName	Required		A unique name to identify the croppable image. Must be unique to all elements on the page.
imgSrc	Required		Valid path to the image on the server that you would like to make croppable.
scriptSrc	Optional	lib/	Valid path to the location of the 'lib' directory that contains the JavaScript files associated with this tag.
imgAlt	Optional		Alt text to be used for the image.

Attribute	Req/Opt	Default	Description
minWidth	Optional		The minimum width for the crop area in pixels.
minHeight	Optional		The minimum height for the crop area in pixels.
maxWidth	Optional		The maximum width for the crop area in pixels (if both minWidth & maxWidth are set to same value the width of the cropper will be fixed).
maxHeight	Optional		The maximum height for the crop areas in pixels (if both minHeight & maxHeight are set to same value the height of the cropper will be fixed)
displayOnInit	Optional	False	Whether or not the crop area should be shown when the page is loaded.
xRatioDim	Optional		The pixel dimensions to apply as a restrictive ratio for the 'x' axis. Can be used in conjunction with yRatioDim to constrain the aspect ratio of the crop area.
yRatioDim	Optional		The pixel dimensions to apply as a restrictive ratio for the 'y' axis. Can be used in conjunction with xRatioDim to constrain the aspect ratio of the crop area.
x1onLoad	Optional		Coordianate at which to place the x1 corner of the crop area on load.
x2onLoad	Optional		Coordianate at which to place the x2 corner of the crop area on load.
y1onLoad	Optional		Coordianate at which to place the y1 corner of the crop area on load.
y2onLoad	Optional		Coordianate at which to place the y2 corner of the crop area on load.

### Usage:

**cf\_imageCropper must be nested within a <form> or <cfform> since it will create hidden form fields that contain the crop information.**

### JS Helper:

The following function should be called to init the crop tool when using the imageCropper with ColdFusion 8 Ajax containers (such as cfwindow):

```
cfImageCropper.load()
```

See test3.cfm and windowContents.cfm in /test for usage example.

## Examples:

See demos inside of /test for full usage.

### Simple Croppable Image:

```
<cfif isDefined("form.submit")>
    <cfdump var="#form#" label="Form fields created by the cf_imageCropper custom
tag.">
    <cfif testimage_height neq 0 and testimage_width neq 0>
        <cfimage action = "read" source="#expandPath("castle.jpg")#" name="img"
/>
        <cfset imageCrop(img, form.testimage_x1, form.testimage_y1,
testimage_width, form.testimage_height)>
        <p><strong>Cropped Image</strong></p>
        <cfimage action="writeToBrowser" source="#img#" />
    <cfelse>
        <p>you didn't select a crop area...</p>
    </cfif>
</cfif>

<p><strong>Original Image</strong></p>

<form name="testForm" method="post">
    <cf_imageCropper
        imageCropperName="testimage"
        scriptSrc="/cfImageCropper/lib/"
        imgSrc="castle.jpg" />
    <br />
    <input type="submit" name="submit" value="Crop This Image!" style="font-
weight:bold;" />
</form>
```

### Fixed Height/Width Constrained Crop Area:

```
<form name="testForm" method="post">
    <cfimage action="read" source="#expandPath("castle.jpg")#" name="myImg" />

    <cfset x1Onload = (myImg.width / 2) - 50 />
    <cfset x2Onload = (myImg.width / 2) + 50 />
    <cfset y1Onload = (myImg.height / 2) - 50 />
    <cfset y2Onload = (myImg.height / 2) + 50 />

    <cf_imageCropper
        imageCropperName="testimage"
        scriptSrc="/cfImageCropper/lib/"
        displayOnInit="true"
        imgSrc="castle.jpg"
        minWidth="100"
        maxWidth="100"
        minHeight="100"
        maxHeight="100"
        x1Onload="#x1Onload#"
        x2Onload="#x2Onload#"
        y1Onload="#y1Onload#"
        y2Onload="#y2Onload#" />
    <br />
    <input type="submit" name="submit" value="Crop This Image!" style="font-
```

```
weight:bold;" />
</form>
```

### **Output:**

The cf\_imageCropper tag will hidden form fields that can be used on the server side to crop your image. The form fields will be prepended with the value that you pass in as 'imageCropperName'. So the form fields created for the two examples above would be:

```
TESTIMAGE_HEIGHT
TESTIMAGE_WIDTH
TESTIMAGE_X1
TESTIMAGE_X2
TESTIMAGE_Y1
TESTIMAGE_Y2
```