Index

About Smart Image Processor PHP 2

Smart Image Processor PHP 2 is DMXzone's most powerful Image **Resize, Enhancement** and **Manipulation** extension that allows you to quickly and easily **process multiple images**, create thumbnails, use image options such as **crop, flip, rotate, sharpen and blur**, or **create grayscale images**. You can even brand your image by including a **watermark or text**.

Smart Image Processor PHP 2 is be compatible with GD2 and ImageMagick! Most PHP servers already have GD2 or ImageMagick installed but our extension enables you to utilize the full power of those graphical components like never before! By empowering true image manipulation without any hand coding Smart Image Processor PHP 2 will change the way you enhance your images forever!

Amazing Image Manipulation
Let the user upload all sorts of images and then **resize, crop** and **improve image quality automatically on the server.** The extension can process images uploaded by Pure PHP Upload 2, as well as files listed in a Recordset or folder.

Add text to your images
Now you can **print** any **text on** your **image!** This extension allows you to set rich text options, set text overlays, color and alignment to brand your image any way you like to. It supports writing of multiple image formats like GIF, JPG, PNG or BMP. Be creative and use this option and the many other text options for multiple purposes.

You can also add **watermark image** and set options such as opacity options, color keying and positioning. For example now you can brand your images with your site logo or captions.

Features in Detail

Manipulate multiple images and create thumbnails

You can resize multiple images and create thumbnails in an instant. You can create as many image variations as you like!
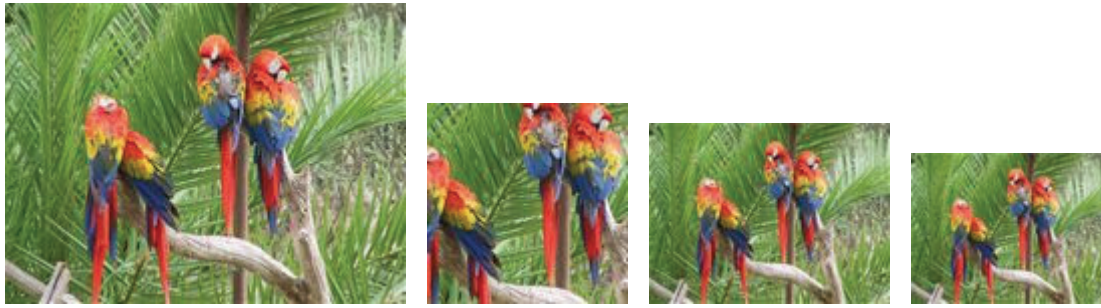
Original   Cropped Image Resized Image   Thumbnail

An amazing number of effects

Smart Image Processor PHP 2 will not only resize your images but it will also allow you to crop, flip, rotate, blur and sharpen an unlimited amount of images. You can even create black and white images with the grayscale option!

Rotate   Flip horizontal/vertical Sharpen   Blur   Grayscale

Resize image from different sources

Upload & resize multiple images with the help of Pure PHP Upload 2 or use Smart Image Processor PHP 2 **standalone** and resize an entire folder on your server. You don't need other extensions to resize, enhance or manipulate the images.

Rich text options

Create any caption you like, use bold, italic or underline text, set the font type, size, color and position and place it on your image. You can even import True Type Fonts.

Default font

New TrueTypeFont,

Watermark your image

Brand your image so everyone knows where they got it from. You can position your Watermark everywhere you like or even tile or stretch the watermark image. Play around with the opacity and transparency color to get the best watermark effect.

Watermarked image

New Interface for ease of use in Dreamweaver
The user interface of Smart Image Processor PHP 2 is very clear! We have grouped all related options in a nice tabbed interface and also provided a useful tip text.
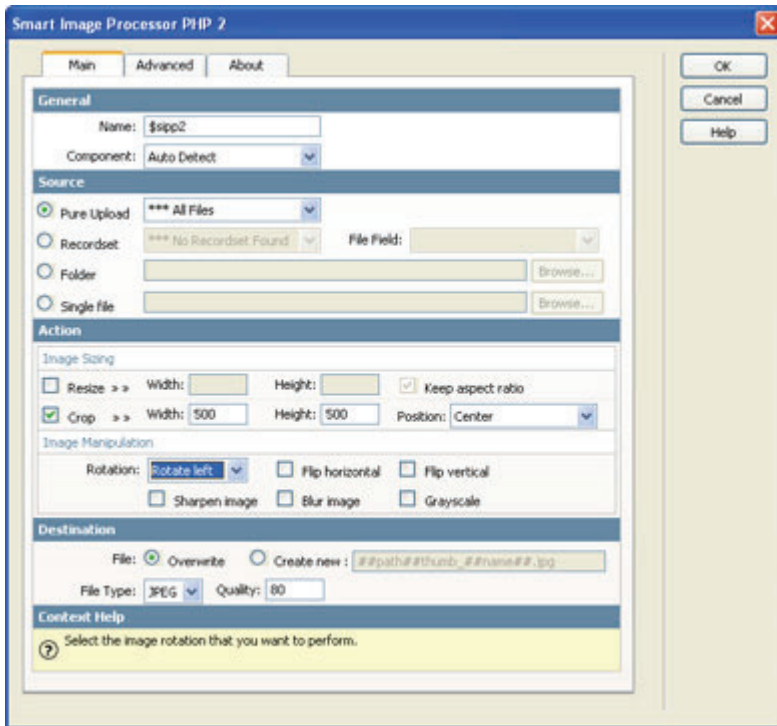
You can find all the basic options in the Main tab

The advanced tab contains advanced mark-up and interaction options

Extended online help
We have included 8comprehensive tutorials - to simplify the usage of this extension.
These tutorials will walk you step by step through the process of resizing uploaded images and setting options for rotation, cropping and display. We'll also show how to pull the uploaded image files from a database and display the images/thumbnails on a page.
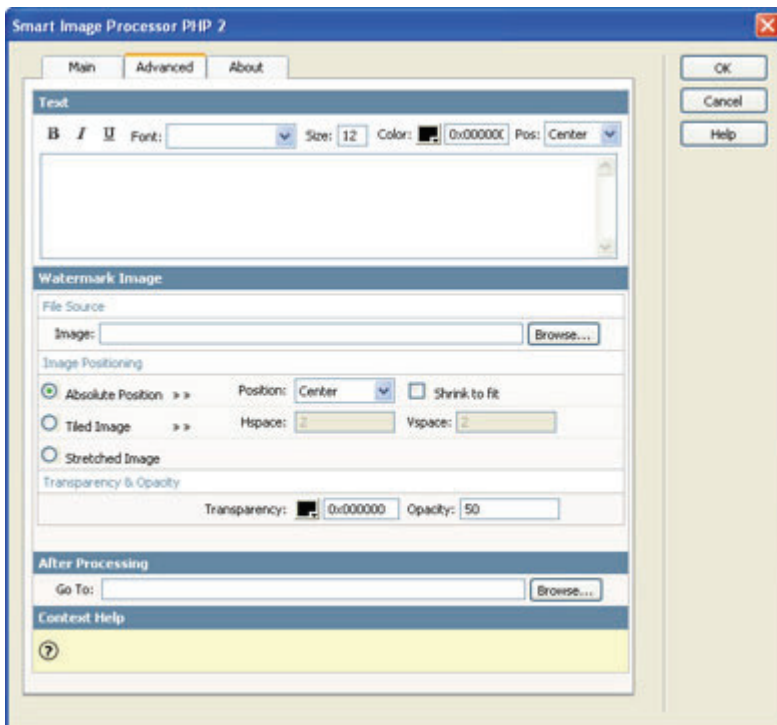
Fully integrated with Pure PHP Upload 2
The Smart Image Processor PHP 2 extension is able to resize the files that are uploaded with Pure PHP Upload 2.

Full support for multiple input file formats
Resize GIF, JPG, PNG or BMP files.

Full support for multiple output file formats
Save your images as JPG, PNG or GIF while maintaining transparency setting. If you use the JPG option you can adjust the JPEG quality. When saving the files as GIF, you can even choose from different palettes, dithering options and choose the number of colors.

Before you begin

Make sure to setup your site in Dreamweaver first before creating a page, if you don't know how to do this please read this.

Please make sure that your server security settings are correct by reading the chapter: Setting the folder security on your server.

Installing the extension

Read the tutorial at http://www.dmxzone.com/ShowDetail.asp?NewsId=4671

Login, download the product, and lookup your serial at http://www.dmxzone.com/myZone.asp?Section=purchases

Get the latest extension manager 1.7 from Adobe at http://www.adobe.com/exchange/em_download/

Open the .mxp file (the extension manager should startup) and install the extension.

If you experience problems please read the FAQ at http://www.dmxzone.com/index.asp?TypeId=7&CatId=687 before contacting support.

Updating from previous versions

Introduction

In this tutorial we will explain how to update files that are created with older versions.

Note: You can install Smart Image Processor PHP 2 without removing the previous version

How to do it

To update the files you need to:

1. **Install Smart Image Processor PHP 2**

2. **Open your Smart Image Processor PHP 2 page**

3. **Select the Smart Image Processor PHP 2 Server Behavior**
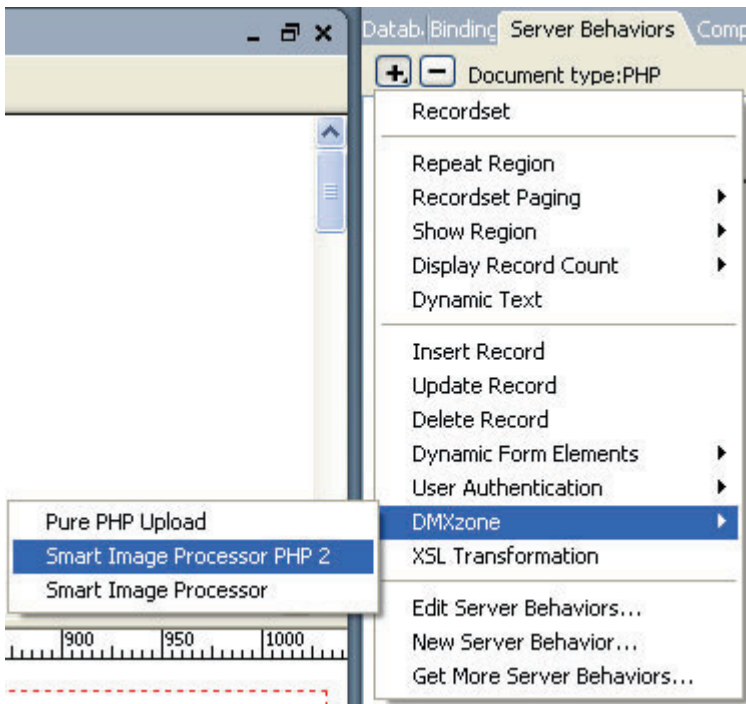
The new Smart Image Processor PHP 2 menu appears with a confirmation that asks you if you want to update the current version with the latest version of the extension. Press Ok.

4. **Set the properties in the Smart Image Processor PHP 2 screen**

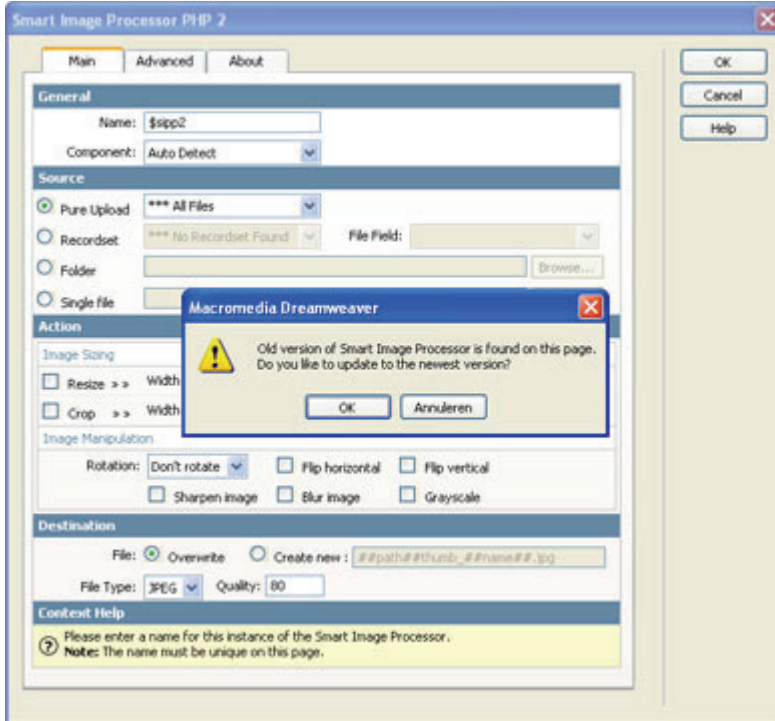The old values of the previous version will automatically be filled in. Now set additional properties if needed and press ok. Make sure that the Name starts with a $ to comply to PHP naming conventions.
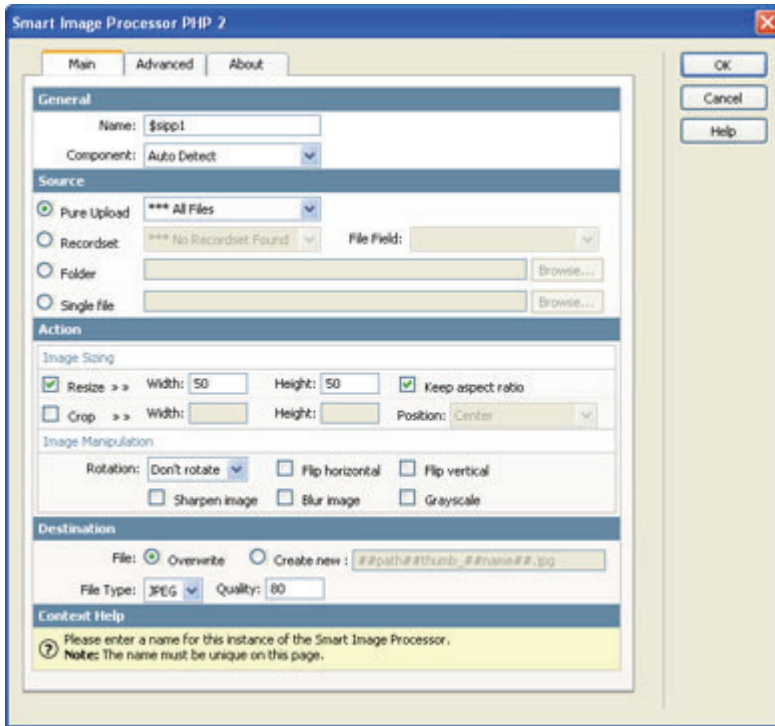
5. **Save and done**

Save your page and upload it to your server, and you are done!

> Note: In the old version you had the option to generate thumbnails. After updating to Smart Image Processor PHP 2, these are also generated – but in a different way, there are now two instances of Smart Image processor PHP 2 inserted, one for resizing the images and one to create thumbnails. For more information please read the Creating Thumbnails chapter.

Applying the Smart Image Processor PHP 2 Extension – A basic resize

Introduction

In this tutorial we're going to resize an image that is uploaded with Pure PHP Upload 2 while maintaining the aspect ratio.

Start: Original image

Resized Image (Width 200, Height 200, Checked Keep Aspect Ratio)

We also show what happens when you uncheck the Aspect ratio:

Example: Resized Image (notice that the image is a bit squeezed)

After that we show you how to crop an image
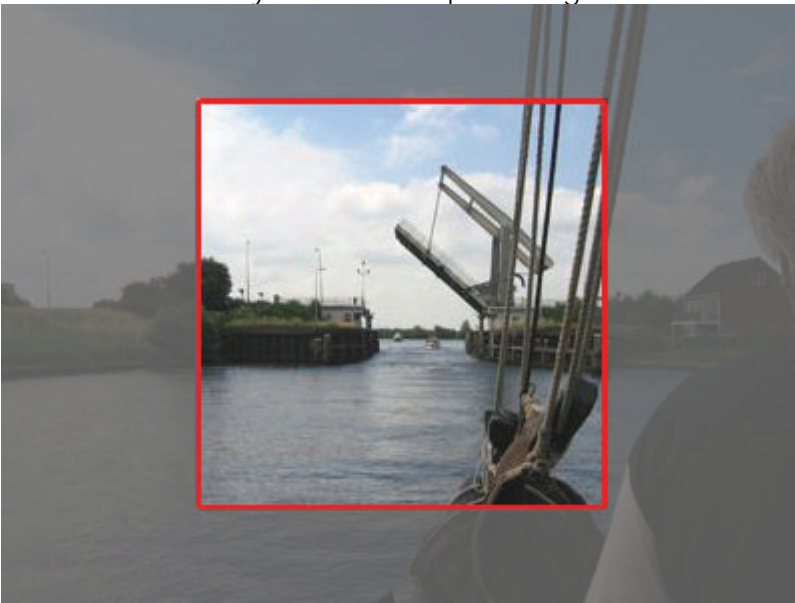
The area inside the red square represents the cropped image; the total image above resembled the original image size.

We also show you how to combine the crop and resize options.

We'll explain the process in a step by step tutorial.

Resizing and cropping

1. **Create a new PHP page**
   Create a new or open an existing PHP file where the Pure PHP Upload Server behavior and the Resize Uploaded Files server behaviors need to be applied to.
2. **First apply the Pure PHP Upload behavior**
   Make sure you have a form with a File Upload Field and a Submit button.
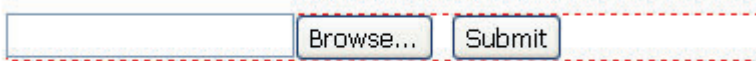

1. From the Server Behaviors panel select DMXzone - Pure PHP Upload 2.
2. Browse to the folder where the images will need to be uploaded to.
3. Leave Go To After Uploading empty, since we are not done after this.
4. Click CTRL-S (Command S for Mac users) to save the file.
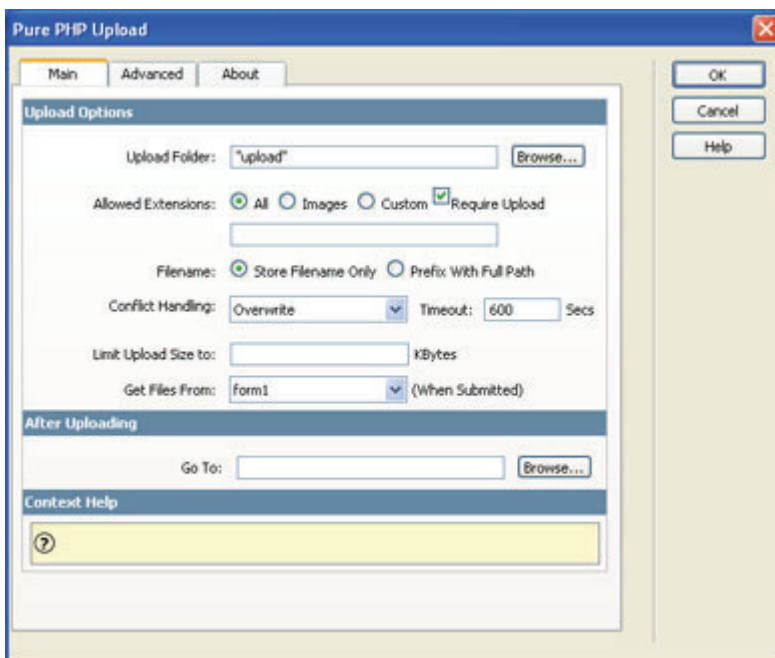
Pure PHP Upload 2 settings

3. **Go to the Smart Image Processor PHP 2 behavior panel**
   You will find the Smart Image Processor PHP 2 panel under **Server Behaviors**. Click on the + sign, **DMXzone**, **Smart Image Processor PHP 2**.
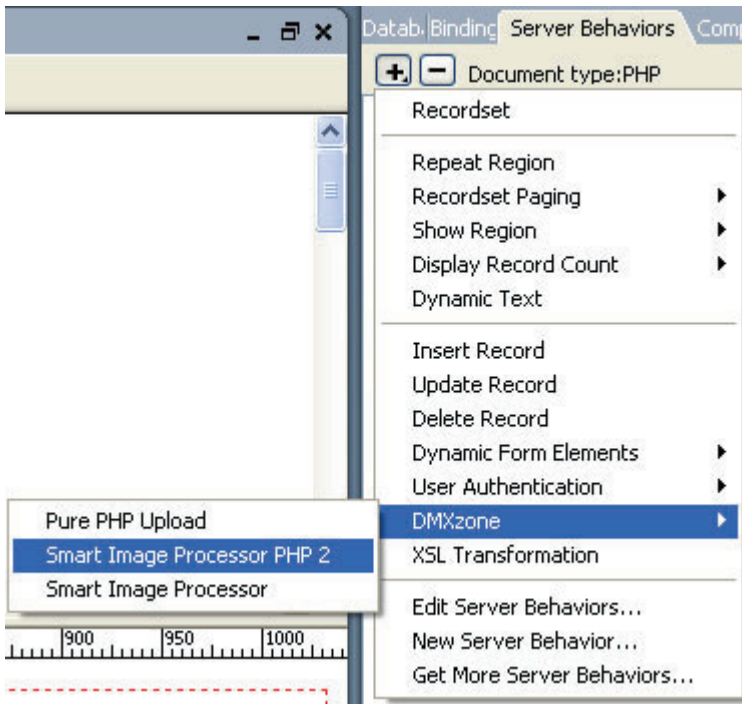
This will Open the **Smart Image Processor PHP 2** Panel.

4. **Set the General Options**
   The name field is created by default to identify the Server Behavior, we don't change the name as we don't need to. The server component select box is set to Auto Detect by default, you should only change this if you want to use a specific component. Check the Absolute Path if the server does not support parent paths. We leave the setting on **Auto Detect** and set the Path to **Relative. Make sure that the Name starts with a $** to comply to PHP naming conventions**.**
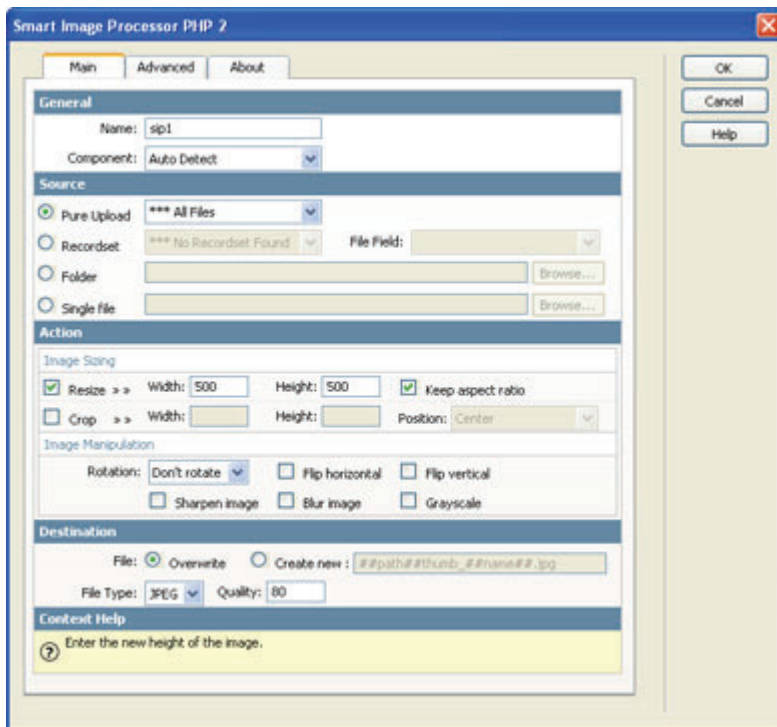
5. **Define the Source Options**
   Select the Pure PHP Upload 2 option for uploading files with Pure PHP Upload 2 that need to be resized. You can apply the resize action to all file fields field by choosing the ***** All Files** option. In our case there is only one upload field so we leave the dropdown at **file**. You can also choose a Recordset, Folder or Single file as a source to resize your images from. We'll get back to these options later.

6. **Setting the Action options - Resize**
   To resize an image, select the Resize option and enter the desired **Width** and **Height** of the resized image. Select the **keep aspect ratio** option to maintain the dimensions of the image when resizing.

7. **Set your Destination options, save and upload the files**
   Check select the **Overwrite** option if you only want to save the resized image or check the **Create New** option and enter the changes that need to be made to the path, filename or file extension. The image can be saved as a jpeg, gif or png. To apply the Smart Image Processor PHP 2 behavior click OK. You will need to save the file in your site. Press F12 tot test the result in your browser

8. **Setting the Action options - Crop**
   To crop an image, open the Smart Image Processor PHP 2 server behavior again, select the crop option and enter the desired **Width** and **Height** of the cropped image. Select the **Position** option to determine the location to crop from.

9. **Set your Destination options, save and upload the files**
   Check select the **Overwrite** option if you only want to save the resized image or check the **Create New** option and enter the changes that need to be made to the path, filename or file extension. ##path## is the path of the original file, ##name## is the filename without the extension, you can add ##filename## for the complete filename.

   Here are a few examples:
   If your original file is "c:\images\dmxzone.jpg" and you want the filename and you to set the file to "c:\images\thumb_dmxzone.jpg" (or /home/user/www/images/thumb_dmxzone.jpg for Linux) enter ##path##thumb_##filename## in the Create new field.
   If you want to create a suffix like "c:\images\dmxzone_small.jpg" (or /home/user/www/images/dmxzone_small.jpg for Linux) enter ##path####name##_small.jpg in the Create new field.
   If you want to create a new folder "c:\images\thumbs\dmxzone.jpg" (or /home/user/www/images/thumbs/dmxzone.jpg for Linux) enter ##path##thumbs\##filename## in the Create new field.

   The image can be saved as a jpeg, gif or png. To apply the Smart Image Processor PHP 2 behavior click OK. You will need to save the file in your site. Press F12 tot test the result in your browser

10. **Setting the Action options - Combing the Resize and Crop options**
    You can also resize an image and the crop it. For instance if you have an image from 400 by 300 and you want to create a square image of 200 by 200 that isn't squeezed.

11. **Set your Destination options, save and upload the files**
    Check select the **Overwrite** option if you only want to save the resized image or check the **Create New** option and enter the changes that need to be made to the path, filename or file extension. The image can be saved as a jpeg, gif or png. To apply the Smart Image Processor PHP 2 behavior click OK. You will need to save the file in your site. Press F12 tot test the result in your browser

12. **Setting the Action options - Image Manipulation Options**
    Rotate, flip, sharpen or blur the image if you like too, the options speak for themselves. You can also create black and white images by checking the grayscale options.

13. **Set your Destination options, save and upload the files**
    Check select the **Overwrite** option if you only want to save the resized image or check the **Create New** option and enter the changes that need to be made to the path, filename or file extension. The image can be saved as a jpeg, gif or png. To apply the Smart Image Processor PHP 2 behavior click OK. You will need to save the file in your site. Press F12 tot test the result in your browser

Text options – Installing additional fonts

Introduction

In this tutorial we are going to show you how to install additional TrueType Fonts.

Default font   New TrueTypeFont,

1. **The basics**
    Make sure you know how to create a basic resize by reading this tutorial; Applying the Smart Image Processor PHP 2 Extension – A basic resize

2. **Installing additional fonts**
    Smart Image Processor PHP 2 only supports truetype fonts.

    You can find the standard Smart Image Processor PHP 2 fonts in the Dreamweaver configuration folder, within the Smart Image Processor PHP 2 folder, copy your own TTF files there:

    - **Windows XP and Windows 2000:**
      C:\Documents and Settings\<username>\Application Data\Macromedia\Dreamweaver <version>\Configuration\shared\DMXzone\Smart Image Processor PHP 2\Includes\resources
    - **Windows NT:**
      C:\WINNT\Profiles\<username>\Application Data\Macromedia\Dreamweaver <version>\Configuration\shared\DMXzone\Smart Image Processor PHP 2\Includes\resources
    - **Windows 98/ME:**
      C:\Program Files\Macromedia\Dreamweaver <version>\Configuration\shared\DMXzone\ Smart Image Processor PHP 2\Includes\resources
    - **Macintosh OS 9.X:**
      Hard disk: Applications: Dreamweaver <version>: Configuration: shared: DMXzone: Smart Image Processor PHP 2: Includes: resources
    - **Macintosh OS X:**
      Hard disk: Users: <username>: Library: Application Support: Macromedia: Dreamweaver <version>: Configuration: shared: DMXzone: Smart Image Processor PHP 2: Includes: resources

    Once placed there they will appear automatically in the fonts selection choice of the SIPP2 interface. They will also be copied to the site of the user.

3. **Setting the text options**
    Open the Smart Image Processor PHP 2 extension by double clicking on the Smart Image Processor behavior, go to the advanced tab. You can create text on your image by typing in the Text box in the advanced tab. You can style the text in bold, italic or underline if you like, note that the style is for the complete text. You can also change the font type, size, color and the position of the text.

    We type DMXzone in the Text Area, and select the True Type Font that we imported, in this case that is arena_condensed (note: this font must also reside on your server), choose a font size of 22.
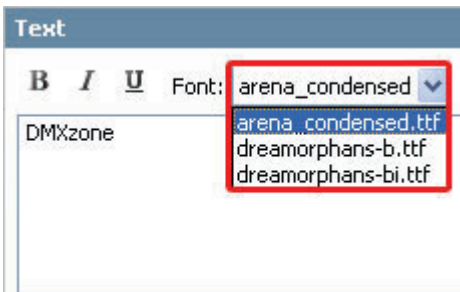
Set the color to #FFFFFF and we'll set the position to Bottom-Left. Press ok, upload the files to your server and press F12 to test.

The result, an image with a white text on the bottom left

Resize uploaded images – Advanced Resizing

Introduction

In this tutorial we are going to show you how to create texts and watermarks on your images.

An image with text

Watermarked images

Advanced Resizing

4. **The basics**
   Make sure you know how to create a basic resize by reading this tutorial; Applying the Smart Image Processor PHP 2 Extension – A basic resize. And open the file that you created with this tutorial.

5. **Setting the text options**
   Open the Smart Image Processor PHP 2 extension by double clicking on the Smart Image Processor behavior, go to the advanced tab. You can create text on your image by typing in the Text box in the advanced tab. You can style the text in bold, italic or underline if you like, note that the style is for the complete text. You can also change the font type, size, color and the position of the text.

   We type DMXzone in the Text Area, and select the Lucida Sans (note: this font must also reside on your server), choose a font size of 22, set the color to #FFFFFF and we'll set the position to Bottom-Left. Press ok, upload the files to your server and press F12 to test. Please read the Text options – Installing additional fonts tutorial for more information.

The result, an image with a white text on the bottom left

Adding a Watermark image
You can add a watermark image by pressing the **Browse…** button. It is best to use a 24 bit PNG image for a watermark as it doesn't have the compression artifacts of a JPG image or the color reduction of a GIF file. Now set the **Image Positioning** options. You can choose from an Absolute Position, a Tiled Image or a Stretched image.

If you give the watermark image an absolute position the watermark can be placed on the Center, Top, Bottom, Left, Right, Top-Left, Top-Right, Bottom-Left or Bottom side of the image. Check the Shrink to fit option if you want the watermark image to be resized to fit in the resized image.

Set the transparency color and the opacity to define the color that will need to be transparent and to define the level of the transparency. We'll select **#FFFFFF** and we give the watermark image an opacity setting of **22** to make it more transparent (the default setting is 50).

To apply the Smart Image Processor PHP 2 behavior click OK. You will need to save the file in your site. Press F12 to test the result in your browser. Here are some examples of different settings and results:

Example 1: Watermark absolute position center and top

Example 2: Watermark absolute position bottom and left

Example 3: Watermark absolute position right and top-left

Example 4: Watermark absolute position top-right and bottom-left

Example 5: Watermark absolute position bottom-right

Select the tiled image If you want the watermark to be repeated across the image, you can set the horizontal and vertical spacing to ensure there is enough room around the watermark image(s).

Example 6: Watermark tiled image, Hspace, Vspace set to 0

Example 7: Watermark tiled image, Hspace, Vspace set to 20

Choose the Stretched Image option if you want to stretch the watermark image across the entire image. Tip: you can position your watermark using this option by creating a transparent area around your watermark image in your favorite image editor.

Example 8: Watermark stretched image

Example 9: Adjusted Watermark image itself by editing 20 pixels of whitespace around it in my favorite image editor.

6. **Set the After Processing options**
Set the **Go To** option if you like to go to another page after the image is resized, you can either enter a page manually or select the **Browse…** button to browse to a page.

7. **Click ok and Save the file in your site**
To apply the Smart Image Processor PHP 2 behavior click OK. You will need to save the file in your site. Press F12 tot test the result in your browser

Creating thumbnails

Introduction

With the Smart Image Processor PHP 2 Extension you can create and save thumbnails of your images. In this tutorial we will show you step by step how to create thumbnails of your uploaded images.

Below is an impression of the scale of the images, the size is not in actual pixels, it is just an impression to give you an idea of the scales involved.

Original   Resized image   Thumbnail

Getting Started
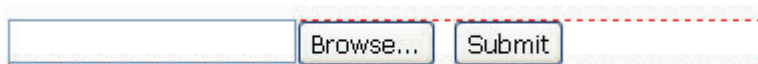
1. **The basics**
   Make sure you know how to create a basic resize by reading this tutorial; Applying the Smart Image Processor PHP 2 Extension – A basic resize.

2. **Create a new PHP page**
   Create a new or open an existing PHP file where the Pure PHP Upload Server behavior and the Resize Uploaded Files server behaviors need to be applied to.

3. **First apply the Pure PHP Upload behavior**
   Make sure you have a form with a File Upload Field and a Submit button.

   1. From the Server Behaviors panel select DMXzone - Pure PHP Upload 2.
   2. Browse to the folder where the images will need to be uploaded to.
   3. Leave Go To After Uploading empty, since we are not done after this.
   4. Click CTRL-S (Command S for Mac users) to save the file.
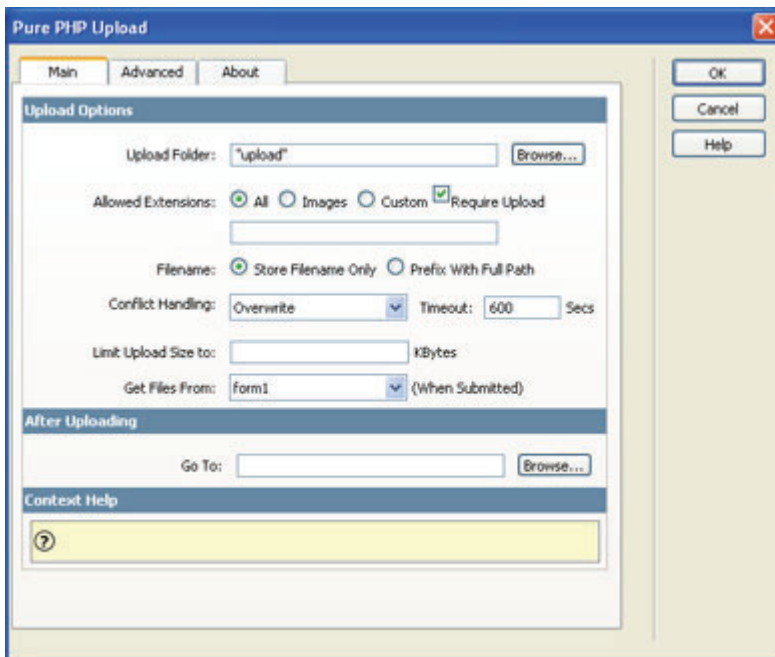
Pure PHP Upload 2 settings

4. **Resizing the original image**
   Apply the Smart Image Processor PHP 2 behavior for the creation of the original image.
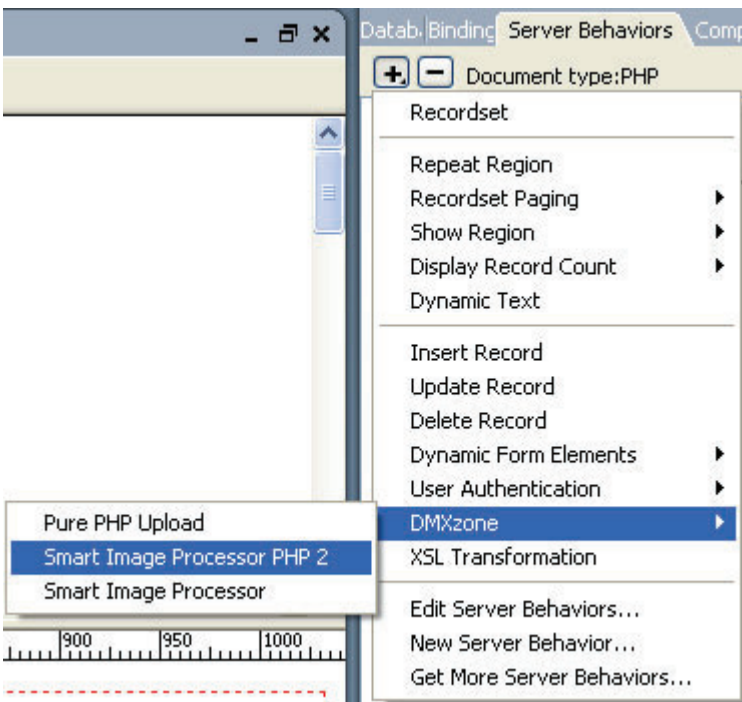
Check the **Resize** option and change the width and height in the image sizing tab to 155.

Press **ok** to apply the behavior and **save** the file.

Now that we've added one behavior to resize the original image to 155 by 155 pixels, the result should be similar to this:
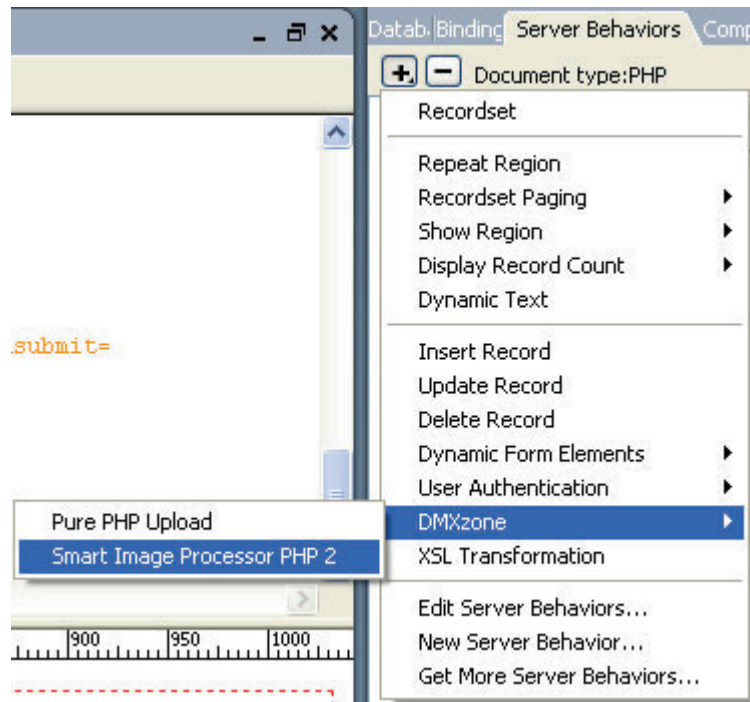

Original

Resized image

5. **Adding another server behavior for the creation of the thumbnail**
Apply another Smart Image Processor PHP 2 server behavior for the creation of the thumbnail.

Once again the **Smart Image Processor PHP 2** Panel is opened. Check the **Resize** option and change the width and height in the image sizing tab to 50 to create a small thumbnail.

Check the **Create New** option and enter the changes that need to be made to the path, filename or file extension. ##path## is the path of the original file, ##name## is the filename without the extension, you can add ##filename## for the complete filename. We'll leave the default option so our filename will start with "thumb_ " and the rest will be the same.
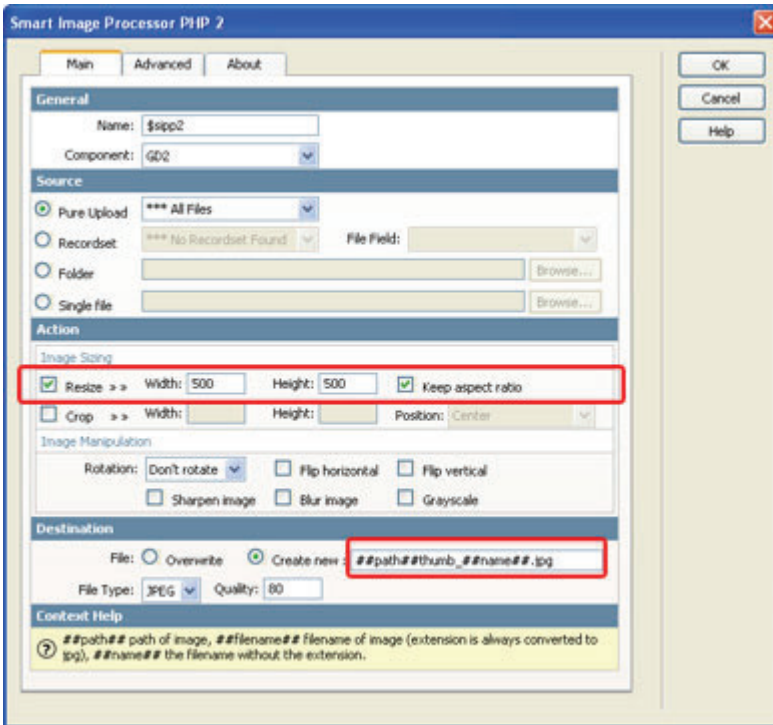
To apply the Smart Image Processor PHP 2 behavior **click OK.** You will need to save the file in your site. Press F12 tot test the result in your browser

Now that we've added one behavior to resize the original image to 50 by 50 pixels, the result should be similar to this:

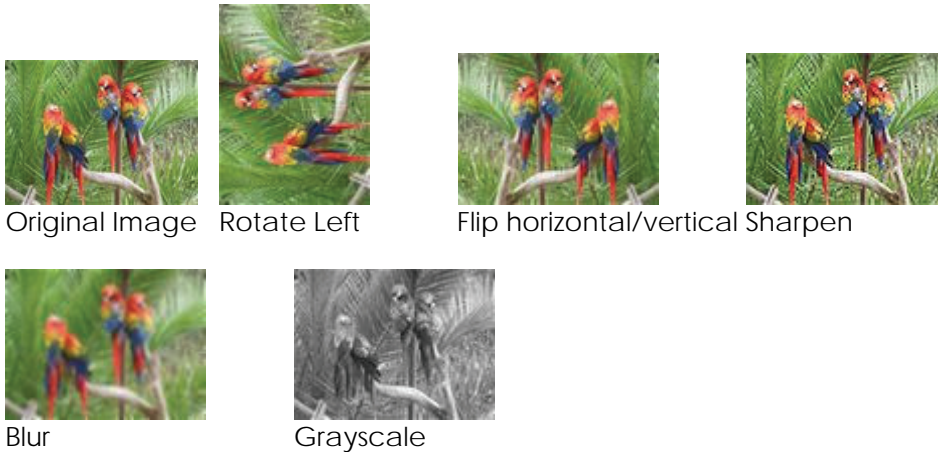Original   Resized image   Thumbnail

Image Manipulation

Introduction

Make sure you know how to create a basic resize by reading this tutorial; Applying the Smart Image Processor PHP 2 Extension – A basic resize. We're applying the following image manipulations:

Original Image Rotate Left   Flip horizontal/vertical Sharpen

Blur   Grayscale

Manipulating Your Images

1. **The Image manipulation panel**
   Open the Smart Image Processor PHP 2 Server Behavior and go to the Image Manipulation Panel

2. **Rotate**
   Let's rotate the image to the left by selecting the **Rotate Left** option in the dropdown box. Click OK to apply the Smart Image Processor PHP 2 server behavior.

   You will need to save the file in your site. Press F12 to test the result in your browser.

   Original Image   Rotate Left

3. **Flip**
   To mirror the image horizontally by selecting the **Flip Horizontal** option. Click OK to apply the Smart Image Processor PHP 2 server behavior. You can also Flip the Image vertically if you like to.

You will need to save the file in your site. Press F12 tot test the result in your browser.

Original Image   Flip Horizontal

4. **Sharpen**

Let's sharpen the image by selecting the **Sharpen** option. Click OK to apply the Smart Image Processor PHP 2 server behavior.

You will need to save the file in your site. Press F12 tot test the result in your browser.

Original Image   Sharpen

5. **Blur**

To mirror the image horizontally by selecting the **Blur** option. Click OK to apply the Smart Image Processor PHP 2 server behavior.

You will need to save the file in your site. Press F12 tot test the result in your browser.

Original Image   Blur

6. **Grayscale**

Let's create a black and white image by selecting the **Grayscale** option. Click OK to apply the Smart Image Processor PHP 2 server behavior.

You will need to save the file in your site. Press F12 tot test the result in your browser.

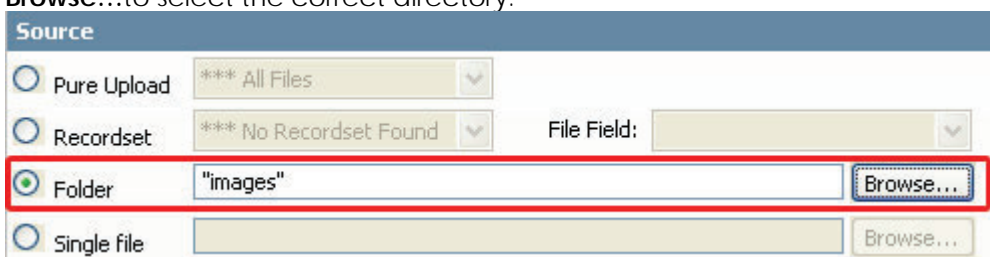

Original Image   Grayscale

Resizing an entire folder

Introduction

In this short tutorial we are going to show you how to resize an entire folder of images on your server using Smart Image Processor PHP 2. Make sure you know how to create a basic resize by reading this tutorial; Applying the Smart Image Processor PHP 2 Extension – A basic resize. We also use this file created with the basic resize tutorial as a basis for this tutorial.

How It Works

1. **Setting the source options**
    Choose the **directory on your server** that you want to resize by selecting the **Folder option**, press **Browse…**to select the correct directory.

2. **Apply your resize settings**
    If you don't know how to do this, please do the Applying the Smart Image Processor PHP 2 Extension – A basic resize
    Tutorial and make sure you apply step one as above.

3. **Click ok and Save the file in your site**
    To apply the Smart Image Processor PHP 2 behavior click OK. You will need to save the file in your site. Press F12 to test the result in your browser

Applying Multiple Actions and creating thumbnails

Introduction

If you haven't done a basic resize yet, make sure you follow the Resize Uploaded images tutorial first. You don't need a file upload field if you select the folder option when Resizing an entire folder.

In this tutorial we use a file upload field, resize the image and apply the rotate, flip, sharpen and grayscale options, we'll also create a thumbnail.

Note: each manipulation is processed using the previous actions, so make sure you set your actions in the right order.

Original Image

The result of the action will be as follows:

Rotated left

Flipped horizontal

Sharpened

Blurred

Applied Grayscale

Created Thumbnail

How it works

1. **Apply the first server behavior - rotate**
   Let's rotate the image to the left by selecting the **Rotate Left** option in the dropdown box. Click OK to apply the Smart Image Processor PHP 2 server behavior.

2. **Apply the second server behavior - Flip**
   To mirror the image horizontally by selecting the **Flip Horizontal** option. Click OK to apply the Smart Image Processor PHP 2 server behavior. You can also Flip the Image vertically if you like to.

3. **Apply the third server behavior - Sharpen**
   Let's sharpen the image by selecting the **Sharpen** option. Click OK to apply the Smart Image Processor PHP 2 server behavior.

4. **Apply the fourth server behavior - Blur**
   To mirror the image horizontally by selecting the **Blur** option. Click OK to apply the Smart Image Processor PHP 2 server behavior.

5. **Apply the fifth server behavior – Grayscale**
   Let's create a black and white image by selecting the **Grayscale** option. Click OK to apply the Smart Image Processor PHP 2 server behavior.

6. **Apply the fifth server behavior – Thumbnail**
   Let's create a black and white image by checking the **Resize** option and by entering a value of **100** for both the **Width** and **Height** while keeping the Aspect ratio. **Click OK** to apply the Smart Image Processor PHP 2 server behavior. Press F12 and upload an image, the resulting images on your server should look the same as displayed in the introduction.
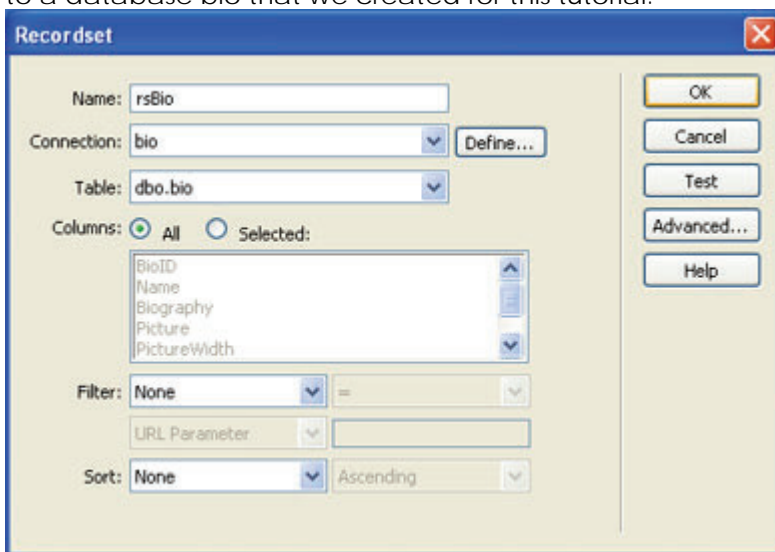
Resizing using record sets

Introduction

In this short tutorial we show you how to use a recordset from a database as a source and target for your image resizing and manipulation. We use the Applying the Smart Image Processor PHP 2 Extension – A basic resize as a basis for this tutorial.

How It Works

1. **Create a Recordset**
   Go to the bindings panel and add a recordset, we give the recordset the Name rsBio and connect it to a database bio that we created for this tutorial.
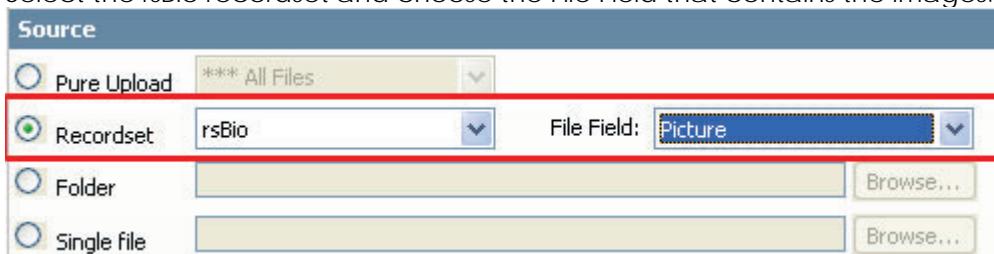

2. **Select a Recordset as source**
   Select the rsBio recordset and choose the File Field that contains the images.

   Click OK to apply the Smart Image Processor PHP 2 server behavior. Press F12 to test in the browser.

Page 31 of 36

Setting the folder security on your server

Introduction

In this tutorial we will explain how to set the security on Windows 2000 and Linux so users are able to use tge component to write the images to a specific folder or with a specific name using the SIPP2 extension.

Setting the security on a Linux/Unix/Mac server using telnet/ssh

1. **Find your upload folder on the server.**
   You need to locate the folder where you want to save the changed images to.

2. **Change the security settings**
   Type chmod 777 uploadfolder or chmod 666 uploadfolder, the 777 also alows execute and the 666 only read and write. When you have changed the permission you should be able to upload to that folder.
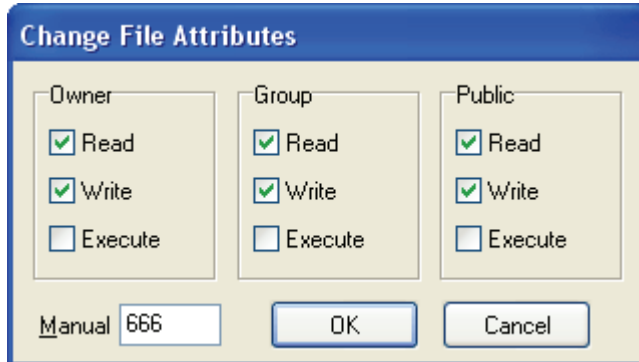
Setting the security on a Linux/Unix/Mac server using ftp

1. **Find your upload folder on the server.**
    Go browse with the ftp software you are using to your site. Select the folder you want the images saved to.

    Find your upload folder on the server.
   **Go browse with the ftp software you are using to your site. Select the upload folder you created.**

Setting the security settings so every visitor can upload

To set the right security on Windows 2000 so every anonymous visitor can upload you need to:

1. **Find your upload folder on the server.**
   Go to your server and browse with the Windows explorer your site. Select the upload folder you created.

2. **Change the security settings**
   Right click on the images folder, select properties, then choose the **security** tab.
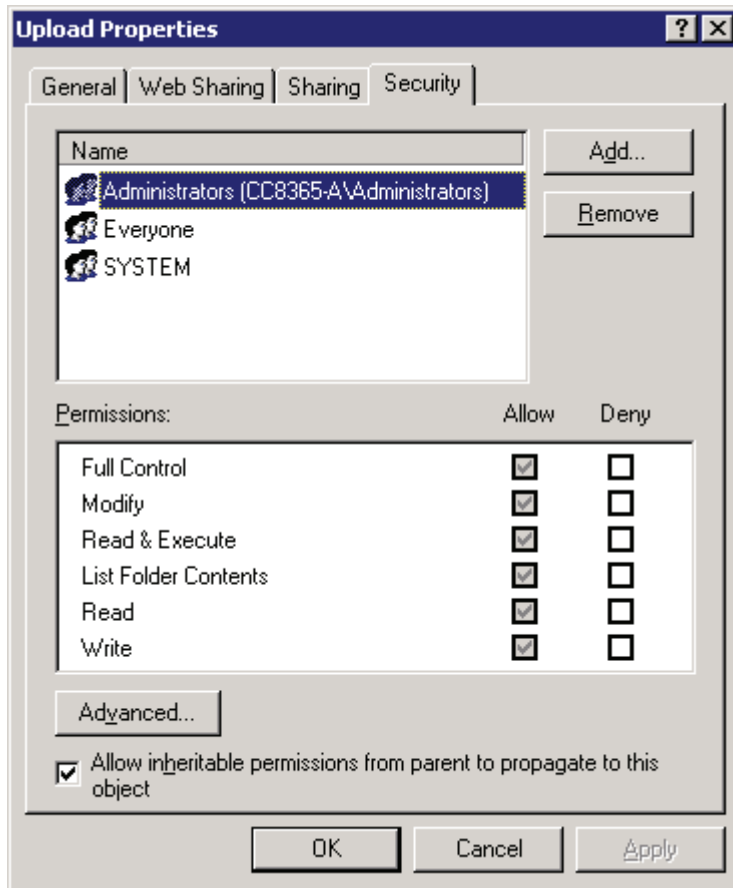
3. **Add the anonymous user to the list of users**

   PHP uses the user **IUSR_<machinename>** where **machinename** is your server name.

   We need to give this account full write permissions. To do so click on the **"Add..."** button then select the IUSR_<machinename> user and click OK.

   When you are back at the security setting dialog you need to give this user also write permissions - so check the appropriate checkboxes:
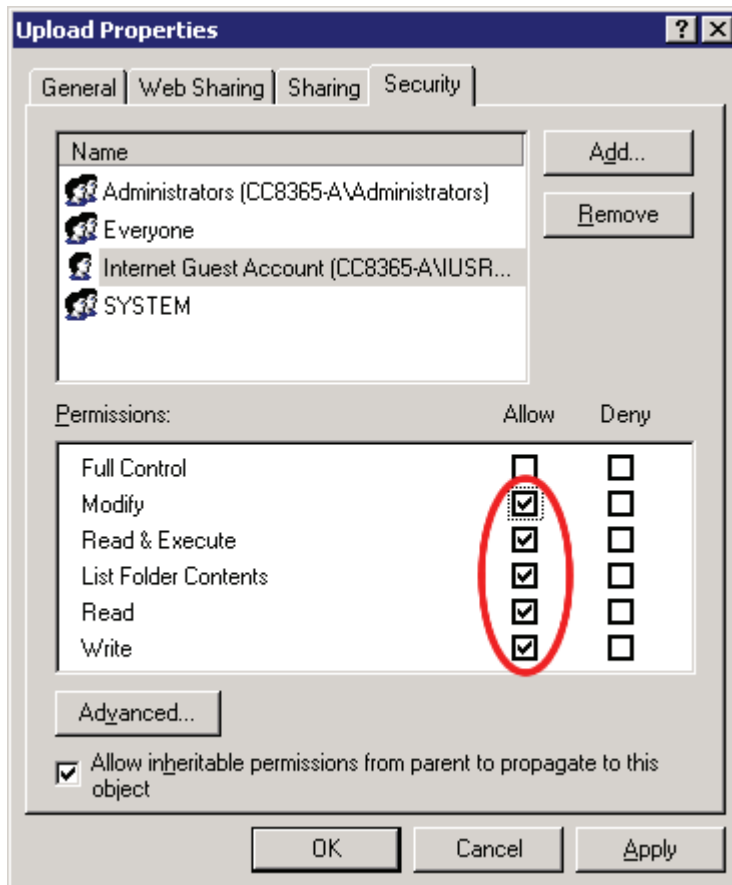
1. **Save and you are done**

    Save the security settings by clicking OK and you are ready to go!

FAQ

Q: What PHP component do I need for this extension?

A: Smart Image Processor requires GD2 or ImageMagick!

Q: Before I buy this extension I want to test what php component my provider supports.

A: If you create an php file with the function phpinfo(); This function will let you see what is installed on your server.

Q: What are the image formats that the processed images can be saved in ?

A: The Smart Image Processor PHP 2 extension supports image formats for processing such as jpeg, png and gif.

Q: I have a page with thumbnails. Now I would like the user to be able to click on the thumbnail to view a larger image of that thumbnail in a popup window.

A: There is an extension that will help you to let the larger image come up in a popup window and the popup window will adjust to the size of the image. Check out Advanced Layer Popup extension for an example.

Q: I would like to display the thumbnails in a table with rows and columns. Is there an easy way to do this?

A: There is an extension called Horizontal Looper that will repeat your data from your database horizontally as well as vertically. It acts in a similar fashion the standard Repeat Region that is supplied with Dreamweaver, but instead of "number of records" you are prompted for Rows and Columns.

You can download the Horizontal Looper extension at www.basic-ultradev.com.

Check out the tutorial and see how it works: How to display thumbnails with Horizontal Looper Extension

Q: How can I set the width of the image and have the height constrained to proportion?

A: Width and Height can be set to different values and if you turn off Keep aspect ratio option then the resulting image(s) will have those exact width and height.