

wePrint Design Studio User's Guide




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Chapter 1 Installation & Setup

1.1 wePrint Design Studio Files

The zip directory contains all the files that you need to install and setup the wePrint Design Studio.

Name	Date modified	Type
 db_extras	8/8/2010 8:04 PM	File folder
 definitions-locale	8/8/2010 8:35 PM	File folder
 UPLOAD	8/8/2010 8:04 PM	File folder

The *db_extras* folder contains the SQL files for configuring the database. The *definitions_locale* folder contains the definitions files for other languages besides English. The *UPLOAD* contains all the files that need to be uploaded to your server. Some of these files will need to be edited before uploading.

1.2 Pre-Installation Setup

1.2.1 Database Setup

You will need to create a database table for the wePrint Design Studio. If you are installing Zen Cart for the first time you will need this database for your Zen Cart data. At this point you will not load any data into the database. You just need to create a database, create a user, create a password. You will need this information for the installation of both Zen Cart and the design studio. You will also need to know the database server. Most hosting companies will have your database server set to *localhost*. Refer to your host for this information.

1.3 Pre-Installation Configuration Files

There are a few settings that need to be manually edited. You will need to edit these files 1 and 2 before uploading, otherwise the design studio will not work. Files 3 and 4 can be edited at a later date since they only contain GUI text.

NOTE: Do not use a word processor, such as Microsoft Word, to edit any files. Word processors usually add extra hidden characters to the files that can create problems. We recommend a simple editor such as Notepad. There are more powerful editors out there that are available free of charge:

- Notepad++
- Bluefish HTML editor

1.3.1 File 1: *designstudio/connect_sql.php*

This file is used to connect to your MySQL database, in order to save some the design information. You only need to change the text within the quotes of the DEFINE statements as shown in green-bold text.

DEFINE('DB_USER',' USERNAME ');	Change the USERNAME to the one that is used by your database.
DEFINE('DB_PASSWORD',' PASSWORD ');	Change the DB_PASSWORD to the one that is used by your database.
DEFINE('DB_HOST',' localhost ');	Change the DB_HOST to the one that is used by your database. The host is many times set to <i>localhost</i> . Check with you hosting company.
DEFINE('DB_NAME', ' DB_NAME ');	Change the DB_NAME to the one that is used by your database.

1.3.2 File 2: *designstudio/convert-location.php*

This file contains the location of the ImageMagick program. This is specific to your hosting company server. The majority of the installs will have the Imagemagick residing at 'usr/bin/' or at '/usr/local/bin'. You can determine this by asking your hosting company. Or use the weprint-test.php utility. The utility will tell you if the Imagemagick is installed at either of the two popular locations.

Once you have determined the location, change the file as necessary. Change only the text highlighted below:

```
$CONVERT = "/usr/bin/convert";  
$IDENTIFY = "/usr/bin/identify";  
$MONTAGE = "/usr/bin/montage";
```

1.3.3 File 3: designstudio/definitions.php

This file contains much of the text that is displayed within the design studio. The text is broken into variables. There are many chunks of text so you will need to browse through the file to find the text that you want to change. You can only change the text within the quotes. Do Not change the variable name.

example: \$WEP_loading_text = 'Design Tool Loading. Please Wait.....'; You can only change the highlighted text. Do not change any other code. If you are going to use special characters such as '&' you will need to use the html encoding (& = &).

1.3.4 File 4: designstudio/includes/jscript_DT1.js

This file also contains some of the text that is seen within the design studio.

IMPORTANT: You can break the design studio if you edit any code other than the text at the top of the file. The editable code is:

```
//BEGIN USER EDIT TEXT////////////////////////////////////////////////////////////////
```

Only edit the code within this block.

```
//END USER EDIT TEXT////////////////////////////////////////////////////////////////
```

Replace only the text within the quotes.

example: var alert_delete1 = "Do you want to Delete the selected item?"; You can only change the highlighted text.

Chapter 2 Uploading the Files

2.1 Introduction

After you have edited and saved your configuration files, you will need to upload the files to your server. There are two types of installations:

1. New Zen Cart Store - Upload the contents of the *Full-Zen-Cart* directory and the contents of the *wePrint* directory.
2. Existing Zen Cart Store – Upload only the contents of the *wePrint* directory.

Name ▲	Size	Type
Full-Zen-Cart		File Folder
wePrint		File Folder

WARNING: wePrint Design Studio ships with a complete set of Zen Cart files. If you have an existing Zen Cart store, you MUST only upload the files specified below. The differences are outlined below.

WARNING: Always backup your site files before uploading and installing.

WARNING: If you have an existing database, be sure to backup this database before running the installation.

2.2 New Zen Cart

This section describes the installation of the combined wePrint Design Studio & Zen Cart. You should only follow these instructions if you are going to install the wePrint Design Studio with a new Zen Cart install.

WARNING: If you have an existing Zen Cart store on your site, you can not perform a new install of Zen Cart. Doing so can potentially destroy your existing Zen Cart database.

If you have an existing Zen Cart store and want to add the wePrint Design Studio, you should skip this section. The figure below shows all the files and directories within the *UPLOAD/Full-Zen-Cart* folder. All upload the contents of the entire *UPLOAD/Full-Zen-Cart* directory to your top-level directory of your store. The can be the top-level of your domain (i.e. mydomain.com/). Or within a sub-directory such as *store* (mydomain.com/store).

Name ▲	Size	Type
admin		File Folder
cache		File Folder
docs		File Folder
download		File Folder
editors		File Folder
email		File Folder
extras		File Folder
images		File Folder
includes		File Folder
media		File Folder
pub		File Folder
zc_install		File Folder
index.php	5 KB	PHP Script
install.txt	2 KB	Text Document
ipn_main_handler.php	24 KB	PHP Script
license.txt	15 KB	Text Document
mcs_learn_more.html	7 KB	Firefox Document
nddbc.html	3 KB	Firefox Document
page_not_found.php	1 KB	PHP Script
robots_example.txt	2 KB	Text Document
vbv_learn_more.html	5 KB	Firefox Document

2.3 Uploading the wePrint Files

Once you have uploaded the Zen Cart files (or if you have an existing Zen Cart store) you will upload the contents of the *UPLOAD/wePrint* directory.

Name ▲	Size	Type
admin		File Folder
designstudio		File Folder
images		File Folder
includes		File Folder
wep_addcart.php	2 KB	PHP Script
wep_addcart_IQ.php	1 KB	PHP Script
weprint-test.php	4 KB	PHP Script

NOTE: Unless you have a previous design studio installation on your site, these files will not overwrite any existing files, with one exception. The following file will overwrite the existing file. You should rename the existing files on your server, in case you need to revert to the older files (i.e.

filename-old.php).

<i>/includes/modules/pages/product_info/header_php.php</i> <i>/includes/modules/pages/product_info/main_template_vars.php</i> <i>includes/templates/weprint1/common/html_header.php</i> <i>/includes/modules/pages/shopping_cart/header_php.php</i>	This file is modified so that the default cart image for a product that is customized with the design studio will be replaced with the thumbnail image for the design.
--	--

The design studio ships with a template, *weprint1*. This is very similar to the default Zen Cart template, with a wider page, to accommodate the design studio. If you are going to use this template you can simply upload the *includes* directory to your server. However, if you are going to be using your own template, you will want to copy any of the files that are in the *weprint1* directory to the appropriate template directory on your server. The table below shows which files are template specific.

<i>includes/languages/weprint1/english.php</i>
<i>includes/languages/english/html_includes/weprint1</i>
<i>includes/languages/english/weprint1</i>
<i>includes/templates/weprint1</i>

These files will overwrite the files in your template, so be sure to rename the existing files, in case you need to go back.

2.4 Encrypted Files

There are some files that are encrypted and not included in the standard design studio zip folder. There is a separate encrypted folder that needs to be downloaded. You should have received instructions for downloading these files, if you requested a demo. The following files need to be uploaded to your site:

designstudio/encrypted (uploaded this entire directory)

includes/templates/weprint1/templates/tpl_product_info_display_wep.php

Without these files you will not see the designstudio loaded into the product page. Also the encrypted directory is needed for the design studio to function properly.

For the demo version, these files are set to expire in 30 days. If you purchased the design studio, you will receive permanent files to replace the temporary files. The permanent files will be encrypted so that they will only function on the website that you specify during the purchasing process.

2.5 Post Upload File Permissions

For a new Zen Cart install you will need to change the permissions of some of the files specific to the Zen Cart operation. A list of file permissions, along with a quick installation guide can be found here:

- [Zen Cart Install Guide](#)

To summarize the necessary steps to prepare for an installation:

- 1) Two files need to be created on the server. These are the configure.php files that identify the settings of your particular server and the location of the files that you just loaded. After they have been created, you will then need to change the permissions on these files.

On the server locate the file: *includes/dist-configure.php*

Rename this file to configure.php and change the permissions to 777 (read-write-execute for all)

Next, on the server locate the file: *admin/includes/dist-configure.php*

Rename this file to configure.php and change the permissions to 777 (read-write-execute for all)

- 2) Change the file permissions of the following files/directories:

- cache
- images
- includes/languages/english/html_includes
- media
- pub
- admin/backups
- admin/images/graphs

- images/attributes
- images/banners
- images/categories
- images/large
- images/manufacturers
- /images/medium
- images/upload

For the design studio, you will need to change the permissions on the files shown in the table below. Some of the files must have write-access or the design studio will not be able to create text and/or save designs.

Directory	File	Permissions
<i>designstudio</i>	<i>wep-zen-config1.xml</i>	0x777

Directory	File	Permissions
<i>designstudio/includes</i>		
	<i>shop-defaults.xml</i>	0x777
	<i>wep-tool-config.xml</i>	0x777
<i>designstudio/configs/screenprint/includes</i>		
	<i>wep-tool-config.xml</i>	0x777
<i>designstudio/images</i>	Directory	0x777
<i>designstudio/fonts</i>	Directory	0x777
	<i>fonts.xml</i>	0x777
	<i>fonts.png</i>	0x777
<i>designstudio/printadmin/saveddesigns</i>	Directory	0x777
<i>designstudio/products</i>	Directory	0x777
	<i>Adult-Short-Sleeve.xml</i>	0x777
	<i>Ladies-Short-Sleeve .xml</i>	0x777
	<i>Youth-Short-Sleeve .xml</i>	0x777
	<i>Screen-Printed-Tee .xml</i>	0x777
<i>designstudio/saveddesigns</i>	Directory	0x777

2.6 Zen Cart Installation

If you have an existing Zen Cart store you can skip this section. Once you have changed the permissions on the files according to the previous section, you can install Zen Cart. To begin the installation, simply navigate to your store location (mydomain.com/zc_install/index.php).

Do not activate the “Store Demo” button during the Zen Cart installation. This is intended to

install the plethora of products that are included with the Zen Cart installation package. The product files have been removed from the wePrint/ZenCart install package so you won't be able to install them. Also, in a later step you will add some of the wePrint products to the store via the database.

2.7 Zen Cart Store Setup

At the completion of the Zen Cart install, you should open two tabs in your browser. In one tab, navigate to the store home page. In the other tab, navigate to your store admin page. With the two tabs open you will be able to see the changes made in your admin section.

2.7.1 Import Database Information

At this point you will need to load your database with the wePrint demo products and also create the tables for saving the designs.

- 1) Go to your database admin page.
- 2) Import the `wep_demo_products.sql` file (in the `db_extras` folder of wePrint package)
- 3) Import the `Designs_Main.sql` file (in the `db_extras` folder of wePrint package)
- 4) Verify that there are no errors during the import.

2.7.2 Zen Cart Security

If you navigate to your store page, you will see some red warnings at the top. This warning is reminding you to do the following:

- 1) Change the `includes/configure.php` files back to 644 permissions.
- 2) Remove the `zc-install` directory or rename it.

As another precaution it is recommended that you change the name of your admin page to something less obvious. To do this simply change the name of the admin directory. In this case, you would navigate to the new named directory to get to your admin page (so `mydomain.com/new_admin` instead of `mydomain/admin`).

2.7.3 Change Template

The wePrint Design Studio ships with a template, `wepprint1`. This template is very similar to the standard Zen Cart template, but is wider for the design studio. The template also changes the “more information” side box, so that it contains the links to you design studio page(s).

In order to use the template, you need to change the template selection in you admin page:

- 1) Within your admin page go to *Tools=>Template Selection*.
- 2) Click the Edit button in the right sidebox.
- 3) Select the `wepprint1` as your template from the drop-down menu.

2.7.4 Change Sidebox Display

When you change to this new template, many of the sidebox settings change, so that most side boxes are hidden. You can go to *Tools=>Layout Boxes Controller* and you will see a list of all the sideboxes. For the demo site, we have turned-on:

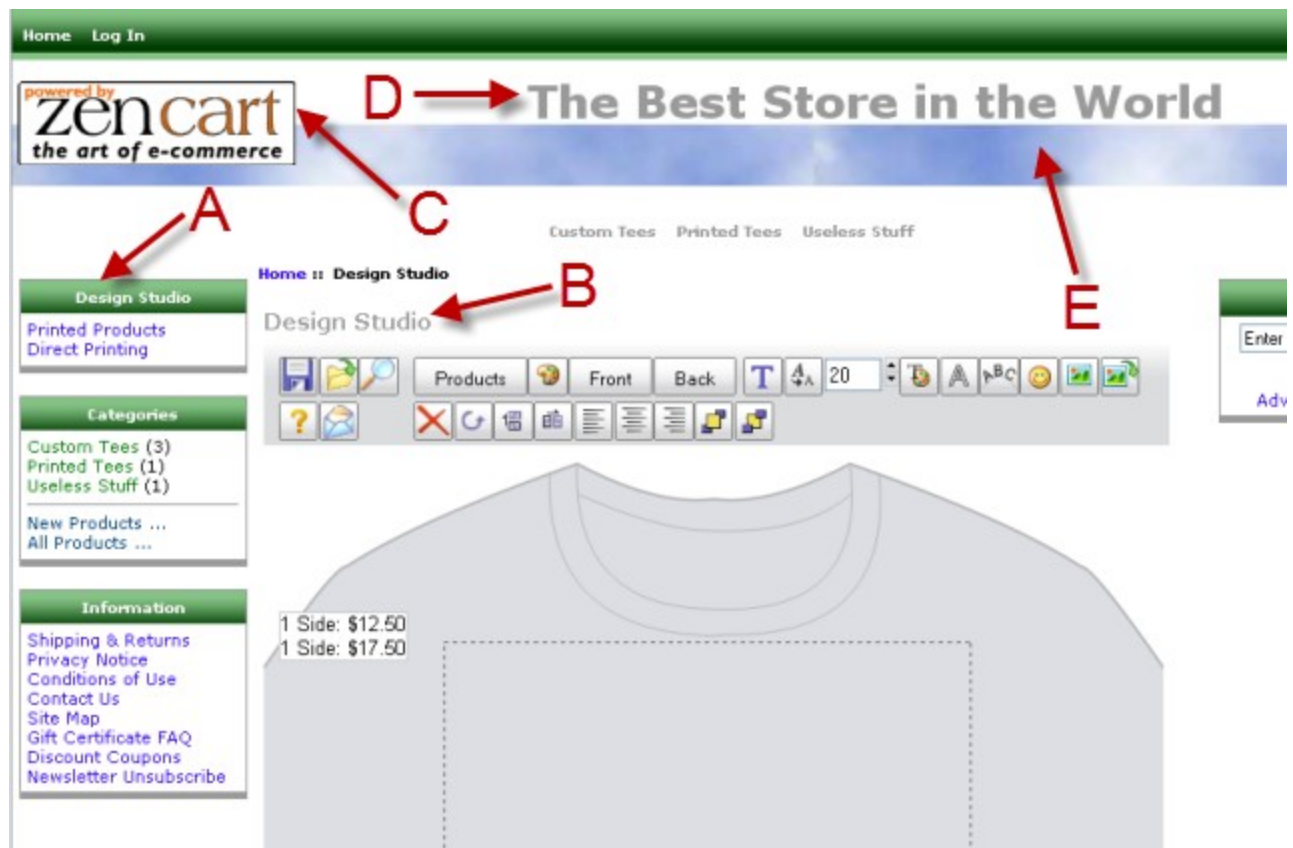
- 1) Categories – Set to the Left with an order of 0.
- 2) Shopping Cart – Set to the Right with an order of 0 so it is at the top.
- 3) Search – Set to the Right with an order of 1.

2.7.5 Shopping Cart Thumbnail Size

The cart thumbnail size is 50px by 40px. This size is too small to truly see the design on the shirt. We suggest changing this to 150px by 150px. Go to *Configuration=>Images*. Change the *Image - Shopping Cart Width* and the *Image - Shopping Cart Height* values to 150 each.

2.7.6 Your New Store

Go to your store and refresh the page if necessary. You should now see the products listed. you should see the the sidebox with design studio links. Click on one of the links. You should get a fully functional design studio. You should be able to create designs, save designs, and and a design to the cart. If you have any problems, please review the *Post-Install Troubleshooting Guide*.



List of Quick Changes:

TBD

Chapter 3 wePrint Admin

All of the files that control the products within the design studio, can be edited manually. You may also use the admin page to configure products and also perform a few other design studio customization.

The wePrint admin is found within the Zen Cart admin portion of your site. There is no direct link to the wePrint admin page within the store admin section. However, you will need to log into your store admin section before you can reach the wePrint admin page.

Once you have logged into your store admin section, type the following address into your browser: yourStoreDomain/admin/weprint_admin.php

You will be re-directed to a page as shown:

Configuration | Catalog | Modules | Customers | Locations / Taxes | Localization

WEPRINT DESIGN STUDIO - ADMIN

Select a Configuration
default

Edit Tool Configuration

Open Existing Products File...

Edit Fonts Gallery

Open Existing Fonts File

Edit Options

Open Options Selector

Set Product Color RGB Values

Open Color RGB Selector

Create/Edit Product Configuration File

This is used to set the parameters for a particular product that is in the products list.

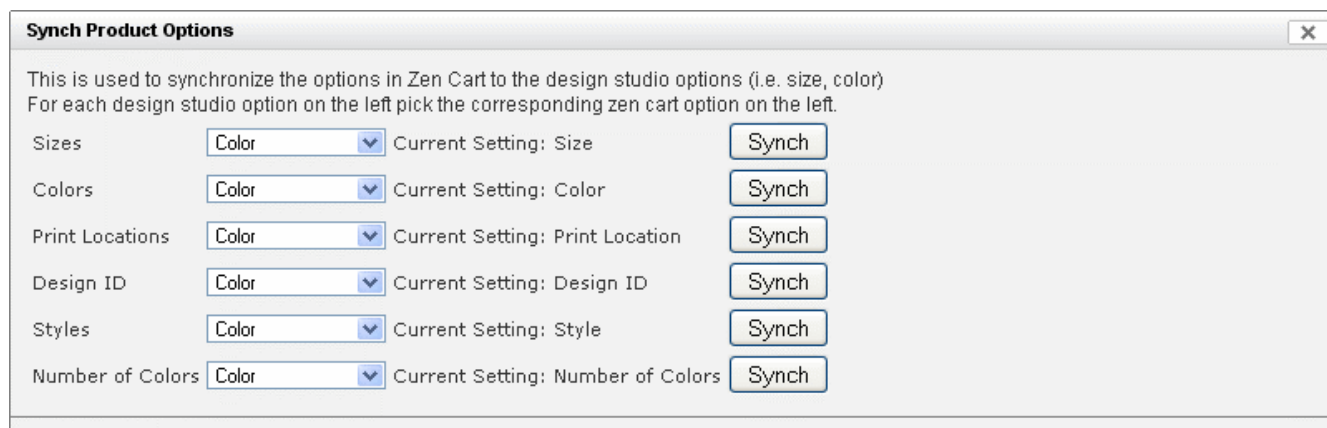
List Products...

From this page you can:

- 1) Edit the design studio configuration.
- 2) Open and edit the fonts gallery file.
- 3) Define the products that use the Design Studio.
- 4) Correlate Zen Cart options to design studio options.
- 5) Define RGB color values for thumbnail images.
- 6) Edit a particular product configuration.

3.1 Correlating Zen Cart Options

Within your Zen Cart store you have created the options for you products (i.e. color, size, design ID, etc). The design studio does not necessary know what your options are. For example, you may have called your 'color' option as 'colour'. If you click on the “Open Options Selector”, you will be presented with a dialog box:



The design studio uses the 6 option names on the left: 1) Sizes, 2) Colors, 3) Print Locations, 4) Design ID, 6) Styles, 7) Number of colors. Next to each option name, is a drop down menu that lists all the options in your Zen Cart store. To the right is the “Current Setting” and the “Synch” button. To change an option name, just select the option name from the dropdown menu and then select the synch button.

3.2 Tool Configuration

If you click on the “Edit Tool Configuration” button, you will be presented with a dialog box that allows you to enable, disable, and set certain properties.

Synch Product Options [X]

Show Add to Cart

Show Quote Submission

Show Price Sheet

Show Instant Quote

Show Our Designs

Show Zen Side Cart

Currency Symbol

Shop Code

Email

Thumbnail Width

[v]

Name	Purpose
Show Add to Cart	Do you want the “Add To Cart” button to show on the post-save dialog window.

Show Quote Submission

Do you want the customer to have the option to submit a request for a quote for a saved design.

The screenshot shows a dialog box titled "Get Quote for this Design" with a close button (X) in the top right corner. The dialog contains the following information and input fields:

- Design ID: ABC128007378716191
- Design Name: My Design
- Your Name: [Input field with a light green background]
- Email Address: c@c.com
- Your Zip Code: [Input field]
- Please enter quantity and sizes required: [Large text area]
- Submit: [Submit button]

Show Price Sheet

This will show a button that allows the customer to display a dialog box which will list the product pricing. May be useful to display pricing based on color and size.

Design Studio

Products Front Back T 16 View Our Designs

Display pricing button

1 Side: \$12.50
1 Side: \$17.50

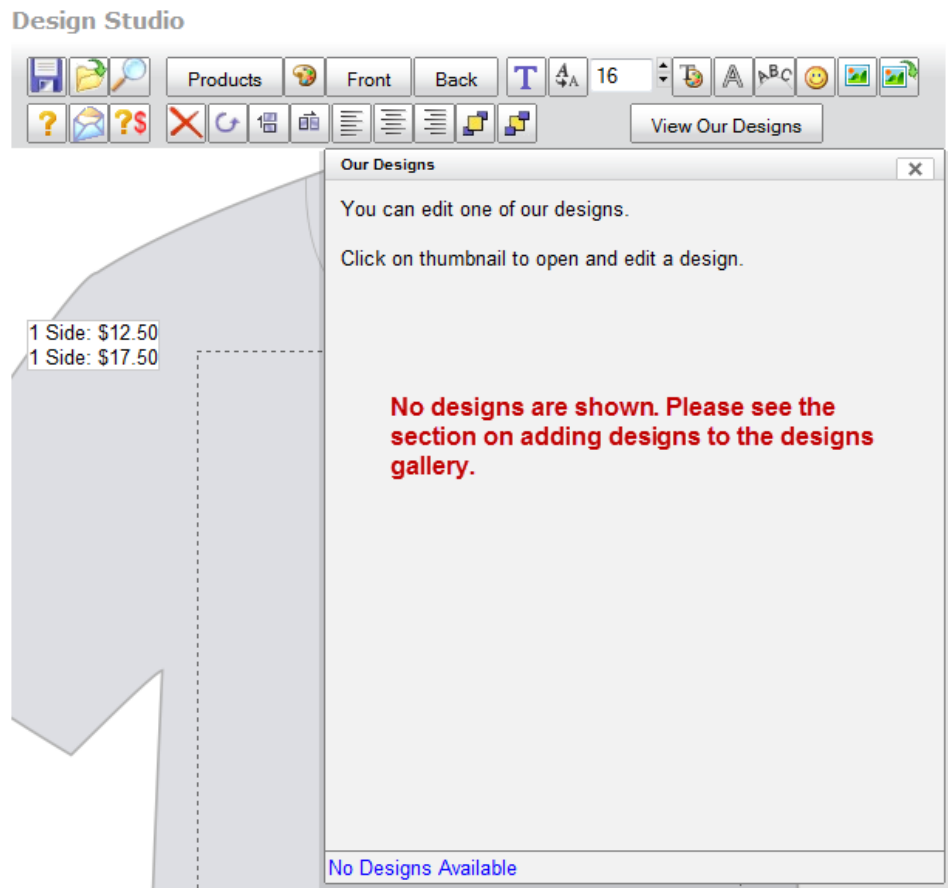
Pricing Table

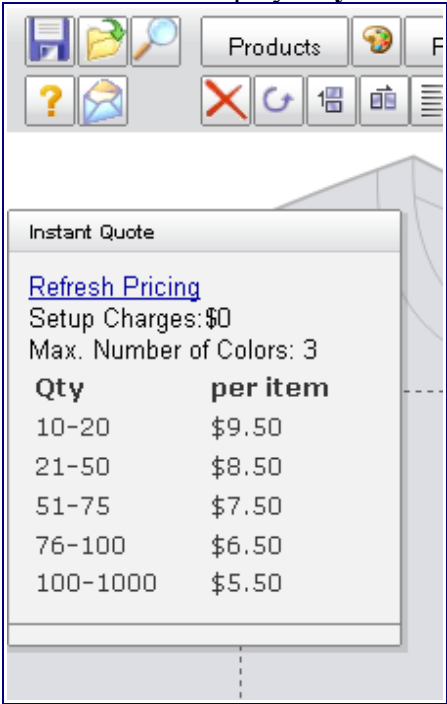
Quantity	Number of Colors in Design						
	1	2	3	4	5	6	7
12-23	0	0	0	0	0	0	0
24-47	0	0	0	0	0	0	0
48-71	0	0	0	0	0	0	0
72-119	0	0	0	0	0	0	0
120-167	0	0	0	0	0	0	0
0							
0							
0							
0							

See the section on configuring the price sheet, for details on creating and styling the pricing table.

Show Our Designs

Do you want the button and dialog box that displays a list of pre-configured designs that the customer can open, edit and save-as. **yes or no**



<p>Instant Quote</p>	<p>This will enable the dynamic pricing window for designs that are based on the number of colors. See the <i>pricesheet.xml</i> file description for details on the pricing information that can be displayed. yes or no</p>  <p>The screenshot shows a web browser window with a toolbar containing icons for file operations and a 'Products' button. An 'Instant Quote' dialog box is open, displaying the following information:</p> <p>Instant Quote Refresh Pricing Setup Charges: \$0 Max. Number of Colors: 3</p> <table border="1"> <thead> <tr> <th>Qty</th> <th>per item</th> </tr> </thead> <tbody> <tr> <td>10-20</td> <td>\$9.50</td> </tr> <tr> <td>21-50</td> <td>\$8.50</td> </tr> <tr> <td>51-75</td> <td>\$7.50</td> </tr> <tr> <td>76-100</td> <td>\$6.50</td> </tr> <tr> <td>100-1000</td> <td>\$5.50</td> </tr> </tbody> </table>	Qty	per item	10-20	\$9.50	21-50	\$8.50	51-75	\$7.50	76-100	\$6.50	100-1000	\$5.50
Qty	per item												
10-20	\$9.50												
21-50	\$8.50												
51-75	\$7.50												
76-100	\$6.50												
100-1000	\$5.50												
<p>Show Zen Side Cart</p>	<p>By default this is set to no. So the side cart box will not be shown on the pages that have the design studio loaded. The reason is due to the fact that the Zen side cart box view will not update if you add a product to your cart from the design studio. You will receive an alert that the product was added. If you navigate to a different page or refresh this page, the cart will show any newly added products. This lack of a cart update may confuse customers, so we recommend hiding the quick cart on the design studio page(s).</p>												
<p>Currency Symbol</p>	<p>This is the currency symbol that is used in the instant quote dialog box.</p>												
<p>Shop Code</p>	<p>This is the three digit code that is used for the naming of the saved designs. A saved design is name as follows: ABCxxxxxxxxxxxxx. Where “ABC” is the shop code and the rest is a unique random number assigned when the design is saved by the customer.</p>												
<p>Email</p>	<p>This is the email address that will be shown as the reply-to email address for saved designs and for the “Quote Submission” form.</p>												
<p>Thumbnail Width</p>	<p>This is the size of the thumbnail of a saved design, which appears after the design is saved. This is not the same thumbnail size as the shopping cart image which is set from your Zen admin page.</p>												

Once you have set the parameters use the “Update....” button to save the settings. The drop-down menu is used to select the configuration. If you have more configurations than the default configuration, simply select the configuration you want saved. For more information on using multiple tool configurations see the chapter title “Running Different Design Studio Configurations”.

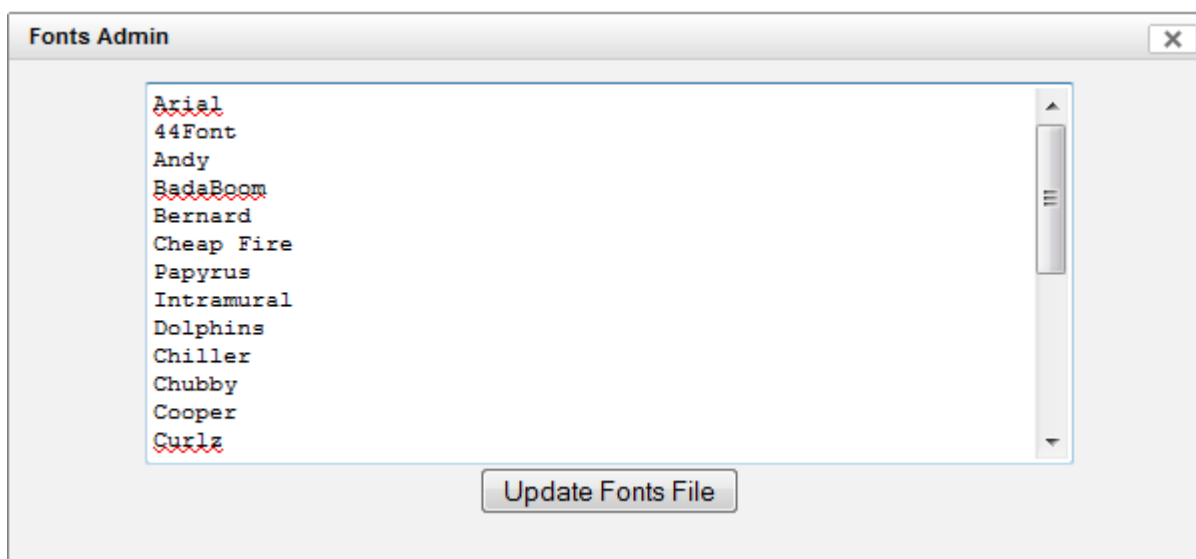
3.3 Fonts Gallery File

Before editing the fonts gallery file, be sure that you have loaded the font file to the *designstudio/fonts* directory. The font file must be a ttf font and have an extension of “.ttf”. Also, the name of the ttf file will need to match the name that you have in the fonts list. You can not have a font file name that has spaces. If the name has any spaces in it, replace the spaces with a dash, “-”.

example: you have a font called My Font. You will need a file My-Font.ttf.

The case is critical and the font name must match exactly the font file name.

To edit the fonts file you can click on the “Open Existing Fonts File” button.



The fonts will be displayed within your gallery in the order as seen in this dialog box. Within this dialog box you can:

- 1) Remove a font
 1. Delete the name from the list
 2. Be sure to remove any blank lines.
- 2) Add a font:

1. Simply add the name between any two fonts.
2. IMPORTANT: If you add a font to the bottom of the list, you will need to add a carriage return after this font. Sometimes, the gallery will not see the last font if there is no carriage return after the last font name.

Once you have made changes, click on the “Update Fonts File” button. The fonts gallery file will be updated along with the fonts gallery image. If a font file is missing you will receive an error message.

3.4 Including Products in the Design Studio

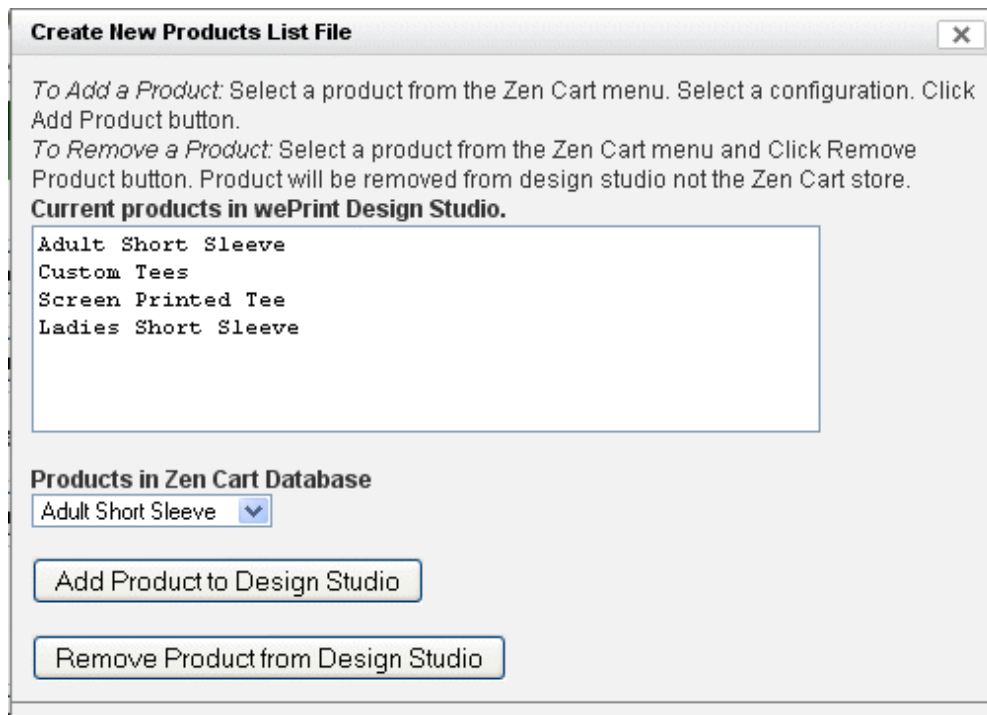
The Zen Cart store admin section does not include a direct method for selecting a product as a product that will use the wePrint Design Studio. By clicking on the “Open Existing Products File” button you will be presented with a dialog box. This dialog box displays a list of the products that are currently included. The drop-down menu lists all the products in your Zen Cart store.

Add a Product

To add a product select the product from the drop-down menu and click on the “Add Product...” button. A confirmation notice will inform you that the product has been added. The list on the top will be updated to reflect the new product.

Remove a Product

Removing a product from the design studio, will not remove it from the Zen Cart store. Select the product from the drop-down menu and click on the “Remove Product...” button. You will receive a confirmation notice and the list will be updated.



3.5 Configuring a Product

Each product needs to have the product images located in the *designstudio/toolimages/blanks/PRODUCT-NAME* directory. Where *PRODUCT-NAME* is the name of the product as it appears in the Zen store. Any spaces MUST be replaced with dashes, “-”.

Example:

We have a product: *Adult Short Sleeve Tee*.

We need to create a directory - *designstudio/toolimages/blanks/Adult-Short-Sleeve-Tee*. Within the *designstudio/toolimages/blanks/Adult-Short-Sleeve-Tee* directory we will have the front and back image for each color. The file name format is:

Color-location.png Where Color is the color name and Location is either “front” or “back”. This file name is case-sensitive. If we have two colors, White and Black, then we would have the following images in the directory:

White-front.png

White-back.png

Black-front.png

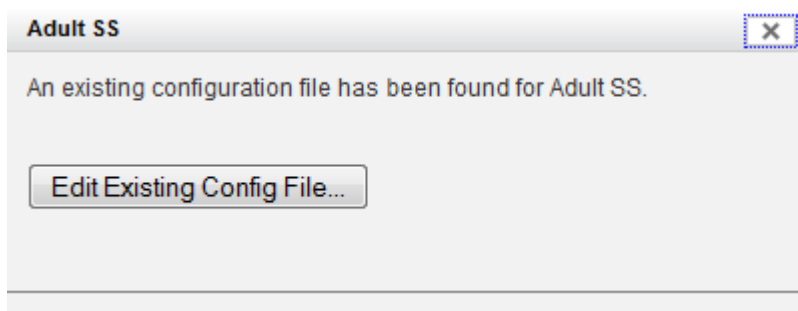
Black-back.png

The image must be a *png* image. No other image format is supported at this time.

Once you have the product directory ready and the images in the directory, you can configure the product with configuration information. From the admin page there are a few things you can do to configure a product:

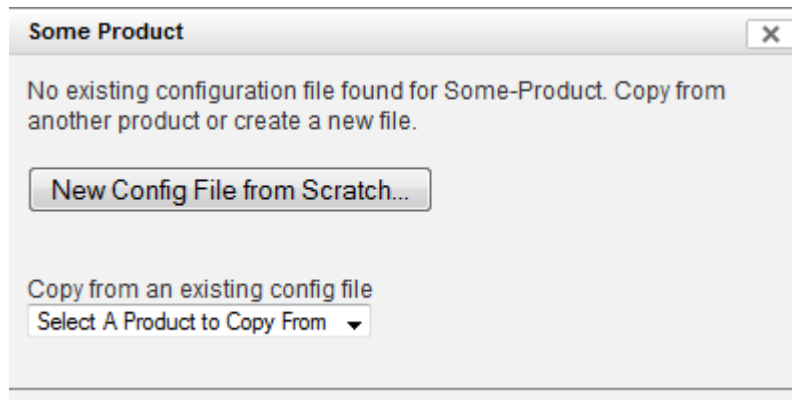
1. Update an existing product.
2. Create a product configuration from scratch.
3. Copy an existing product configuration to another product.

In order to do one of the above options you need to click on the “List Products” button. This will load the drop-down menu with you products. This menu is created from your products-list gallery file. To edit an existing product, click on the product name. You will be presented with a dialog box. This box will show you the only option for this product - “Edit Existing Configuration”.



Click on the button to continue. You will be presented with the product configuration dialog window. The Illustration below shows the various inputs. Each input is labeled with a red letter. The description of each input is described in below.

If there is no existing product, than you are presented with the option to create a new product configuration from scratch or to copy an existing product.



If you select to create a new configuration file from scratch, you will be presented with a blank product configuration dialog box.

If you select to copy from another product, the dialog box will close and you can select the product again from the drop-down menu. Now, selecting from this drop-down menu you will be directed to the newly created product configuration dialog box (as copied from the other product).

Once you have selected which route to take for this product, you will be presented with the product configuration dialog box:

Product Configuration: Adult Short Sleeve

Front Printing
Yes No

Back Printing
Yes No

Default Print Location (F or B)
F

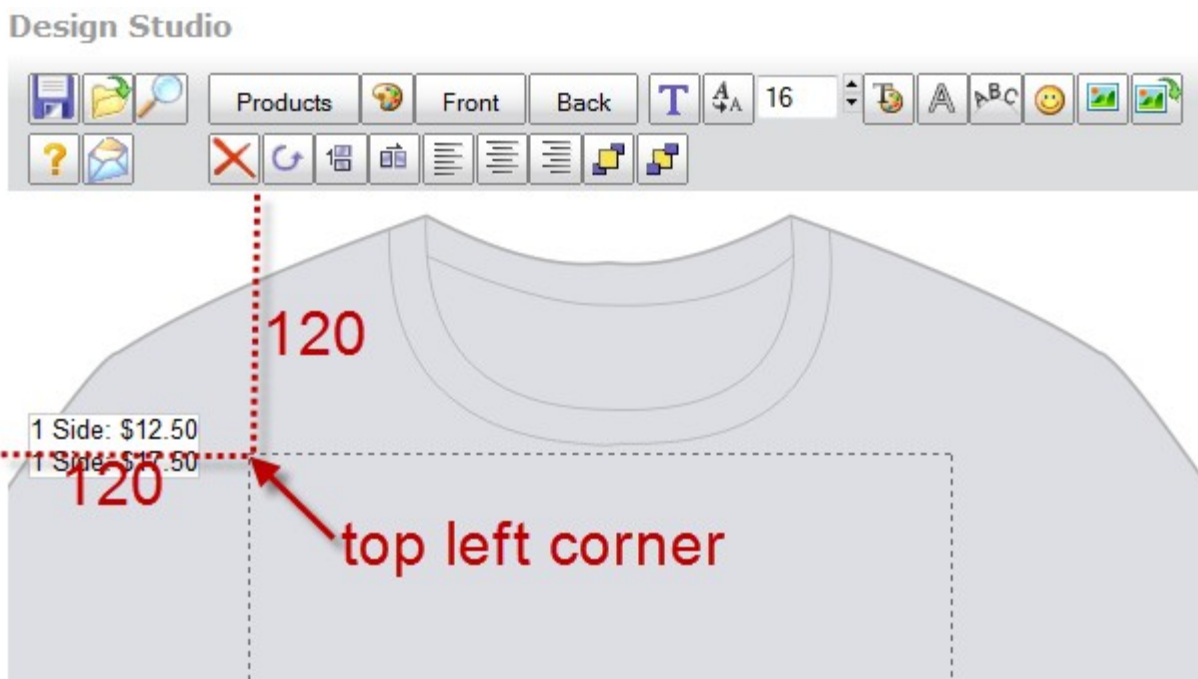
Front Printable Area
Top Left Corner (pixels) Width (pixels) Height (pixels)
120 120 350 400

Back Printable Area
Top Left Corner (pixels) Width (pixels) Height (pixels)
100 120 350 400

Update Product Configuration
New Product Configuration

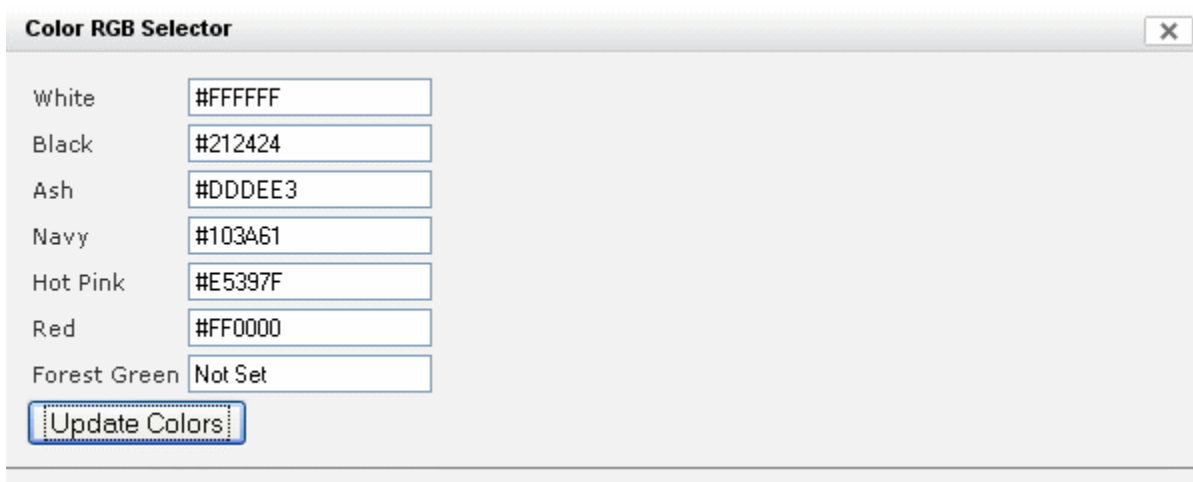
Dialog Box Inputs:

- A) Front Printing – Is the front of the product printable? Yes or No.
- B) Back Printing – Is the back of the product printable? Yes or No.
- C) Default Print Location:
 - 1. Location - “F” for front or “B” for back.
- D) Front Printable Area – See the illustration below for a description of this parameters. Depending on your product you will need to adjust the placement and size of the printable area. If there is no front area, this input can be left blank.
- E) Back Printable Area – Same as front printable area.
- F) Update Product Configuration button – Once you have made changes, use this button to update the configuration file.
- G) New Product Configuration button – If this is a new product than use this button to create the product configuration file after you have made you edits.



3.6 Configuring Product – Colors

You need to define the RGB value for each color that you have. This RGB value is used to create the thumbnail of the saved design. Click on “Open Color RGB Selector” button and you will be presented with a dialog box that you will use to correlate each color name to an RGB value.



The dialog box will list all the colors that are in the Zen store. For each color, place the RGB

value in the corresponding box. Be sure to include the '#' symbol. Once you have entered the information, click on the "Update Colors" button.

Chapter 4 Configuring wePrint for Screen Printing

If you are a screen-printer you most likely will want to enable the Instant Quote feature. This feature will give the customer pricing based on the number of colors in the design. You can define:

- 1) The price per color.
- 2) The quantity price breaks.
- 3) The price of the product based on color.
- 4) The maximum number of colors per design.

Currently, the pricing tool will not except uploaded images from the customer. Once a customer uploads an image, they will receive a message stating that the instant pricing will be disabled since they have added an image.

First set the discounts prices in the Zen Cart admin page using the *Product Price Manager*.

Discount Qty Applies to Mixed Attributes <input checked="" type="radio"/> Yes <input type="radio"/> No				
Preview Only ... Current Price Status ... Preview Only				
Product Discount Info		Discount Type: <input type="text" value="Actual Price"/>	Discount Priced from: <input type="text" value="Price"/>	
Discount Levels	Minimum Qty	Discount Value	Calculate Price:	Extended Price:
Discount 1	<input type="text" value="10"/>	<input type="text" value="8.0000"/>	\$8.00	x 10 = \$80.00
Discount 2	<input type="text" value="21"/>	<input type="text" value="7.0000"/>	\$7.00	x 21 = \$147.00
Discount 3	<input type="text" value="51"/>	<input type="text" value="6.0000"/>	\$6.00	x 51 = \$306.00
Discount 4	<input type="text" value="76"/>	<input type="text" value="5.0000"/>	\$5.00	x 76 = \$380.00
Discount 5	<input type="text" value="100"/>	<input type="text" value="4.0000"/>	\$4.00	x 100 = \$400.00

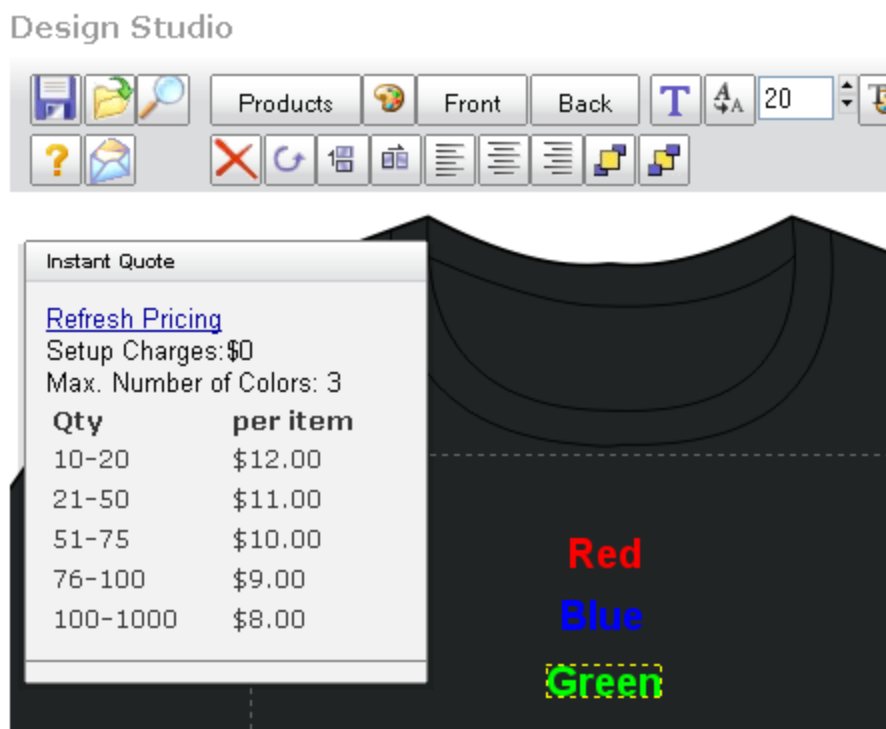
Once you have the prices set in the Zen cart store you will need to manually edit one file for the design studio:

```
<?xml version="1.0" encoding="iso-8859-1"?>
<priceSheet>
  <setupPerColor>0</setupPerColor>
  <maxNumberColors>6</maxNumberColors>
  <pricePerColor>1.00</pricePerColor>
  <priceBreaks>
    <breakPoint qty="10-20">8.00</breakPoint>
    <breakPoint qty="21-50">7.00</breakPoint>
    <breakPoint qty="51-75">6.00</breakPoint>
    <breakPoint qty="76-100">5.00</breakPoint>
    <breakPoint qty="100-1000">4.00</breakPoint>
  </priceBreaks>
  <blankPrices>
    <blank color="Black">1.00</blank>
    <blank color="White">0.00</blank>
    <blank color="Ash">0.50</blank>
    <blank color="Navy">1.00</blank>
  </blankPrices>
</priceSheet>
```

Currently the pricing does not use the *Setup Per Color* parameter. So it should be left at zero. The price per item is as follows:

Price = (number of colors on Front) X pricePerColor + (numbercolors on back) X pricePerColor + blankPrice + breakPointPrice

Example: If the design is on a black shirt, has 3 colors on the front, no colors on the back then the pricing will be calculated as:



Essentially, you have a base price for the color of product and a base price dependent on the quantity of product ordered. You then add to this the price per color. The price per color is calculated based on the colors on both sides of the product if the design has printing on both sides.

The price breaks need to match the discounts that are created within your Zen Cart store.

Chapter 5 Running Different Design Studio Configurations

There may be cases where your store has unique products that require different design studio settings. For example, you may have some products that are direct-to-garment printing and some that are screen printed. In this case, you could setup you main design studio page for direct-to-garment printing. On the other design studio page, you will enable the instant pricing so the designs can be priced per color.

5.1 Setting-up the Files and Directories

We will set up a screen printing product. Within the *designstudio* directory there is a directory named *configs*. This directory is used to override some of the default configuration files. On our local computer, we will do the following:

1. Copy *designstudio/includes/wep-tool-config.xml* to *designstudio/configs/screenprint/includes/*.
2. Change the permissions on the new file to 777.

5.2 Creating the Product Files

Once you have uploaded the files and directories to your server, you can go to the wePrint admin page. From here you will select your configuration for the drop-down menu:

Select Design Studio Configuration

Now when you click on the “Open Existing Products File” button, the tool will look into the *screenprint* override directory. Since we don't have a configuration file there, it will tell us so. We will be presented with an empty input box for creating the products configuration file:

Create New Products List File ✕

Copy the database lines from the bottom box into the top box. Place the products in the order that you would like them to appear in the design studio gallery.
If you add a line at the bottom, press ENTER key to add a carriage return

NAME, IMAGE, PRODUCT_ID

Products in Zen Cart Database

```
Adult SS, Adult-SS.jpg, 1
Ladies SS, 978_hot-pink.jpg, 2
Youth SS, Youth-SS.jpg, 3
Stuff That You Need, Butterfly.JPG, 4
Adult Printed Tee, Adult-SS.jpg, 5
```

Copy the “Adult Printed Tee” line from the bottom box and place it into the top. Add a carriage return and select the “Update..” button. A configuration file will be created in the screenprint override directory along with the products gallery image. Keep in mind, you will still need to upload the product background images to the *designstudio/toolimages/blanks/PRODUCT-NAME/* directory. In this case the directory will be *Adult-Printed-Tee*.

At this point, if you navigate to `index.php?main_page=page_2` you will see the design studio load with the proper products gallery and with the instant quote pricing turned-on. To configure your store so that `page_2` will show-up in the links with your desired name, refer to the “Zen Cart Customization” section.

Chapter 6 More Customization

6.1 Adding/Removing Symbols

The main symbols configuration file is *designstudio/symbols/symbols-list.xml*. This file lists the categories that are to be shown in the gallery. Each category name has a corresponding *categoryname.xml* file. Any spaces within the category name should be replaced with a "-". So a category named "Clipart 1" has a corresponding file `Clipart-1.xml`. You can add or remove a symbol category simply by adding or removing the tag for that category.

Symbolname.xml

The category xml file contains a list of all the symbols in the category. Each symbol must have a corresponding png file with the same name. (spaces replaced by "-")

6.2 Modifying the Color Palette

There are two color palettes that can be modified to hold the colors that best suit your needs; 1) the text/symbol color palette and 2) the text outline color palette. There is one file that needs to be modified in order to edit these palettes.

Open the *includes/modules/pages/PAGE/jscript_colors.js* file in your editor. Where PAGE is either `Page_2` or `Page_3`. At the top of the file you will find the following code:

Text/Symbol color table within *colors.js*

```
var textcolors = {
  colorData: {
    '#000000': 'black',
    '#FFFFFF': 'white',
    '#7E7E7E': 'gray',
    '#D3D3D3': 'LightGray',
    '#696969': 'DimGray',
    '#FF0000': 'red',
    ..
```

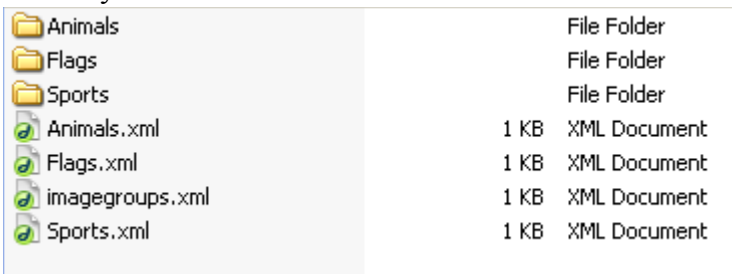
```
..  
..  
'#483DB3': 'DarkSlateBlue',  
'#1E90FF': 'DodgerBlue',  
'#ADD8E6': 'LightBlue',  
'#B0C4DE': 'LightSteelBlue',  
'#DDA0DD': 'plum'}  
};
```

You can add or remove a color by simply editing the color hex code and the color name. Be sure to follow the correct punctuation, including single quotes around the hex code and the color name. The hex code is the more important piece of information since it is used to fill-in the text or symbol. The color name can be any alphanumeric name you want.


















The color table for the text outline appears at the bottom of the *includes/modules/pages/PAGE/jscript_colors.js* file. It can be modified in the same manner as the text/symbol color table.

6.3 Modifying the Stock Images Gallery

The wePrint Design Studio ships without any images in the stock image gallery. The directory that contains the configuration files and the image files is *designstudio/stockimages*. The *stockimages* directory will look like:



The *imagegroups.xml* file determines the groups listing in the gallery. Each image group has a *groupname.xml* file and a corresponding *groupname* directory. The *groupname* directory holds all the images for that particular group. Here is the view of the Animals directory:

	addon_the_crab.png	5 KB	PNG Image
	AlanO_Kittens_One_with_Blue_Ribbon.png	7 KB	PNG Image
	Anonymous_emperor_penguin.png	4 KB	PNG Image
	Anonymous_the_elk.png	2 KB	PNG Image
	Anonymous_Tiger.png	9 KB	PNG Image
	Anonymous_turtle.png	5 KB	PNG Image
	ArtFavor_Cartoon_Sheep.png	5 KB	PNG Image
	ArtFavor_Sheep_(Ewe).png	5 KB	PNG Image
	ArtFavor_Sheep_(Ewe)_2.png	4 KB	PNG Image
	zeimusu_Leaping_cat.png	2 KB	PNG Image
	zeimusu_Lion.png	4 KB	PNG Image
	zeimusu_lion_face.png	5 KB	PNG Image
	zeimusu_Magpie.png	3 KB	PNG Image
	zeimusu_Magpie_2.png	3 KB	PNG Image
	zeimusu_nayrhcrel_Wood_Ibis_1.png	4 KB	PNG Image
	zeimusu_nayrhcrel_Wood_Ibis_2.png	3 KB	PNG Image
	zeimusu_spotty_dog.png	4 KB	PNG Image

When the design tool loads it looks at the *imagegroups.xml* file and presents a list of the groups in the stock images gallery. You can edit the *imagegroups.xml* file in a text editor. To add a group to the files just add the group-name to the file between a set of <group> tags.

```
<?xml version="1.0" encoding="iso-8859-1"?>
<groups>
<group>Flags</group>
<group>Animals</group>
<group>Sports</group>
</groups>
```

Note: The name of the group is case-sensitive and must match the *groupname.xml* filename and the *groupname* directory. For example, we have Animals in the *imagegroups.xml* file, we have an Animals.xml file that defines the images that are in the group, and we have an Animals directory that holds the images.

Note: Group names may have spaces. However, the corresponding group-name.xml file and the directory must have the spaces replaced with a dash "-". For example a group names Large Animals must have a *Large-Animals.xml* file and a *Large-Animals* directory.

If you wish to keep the stock images gallery empty, the *imagegroups.xml* file needs to look like:

```
<?xml version="1.0" encoding="iso-8859-1"?>
<groups>
</groups>
```

Once you have added a group to the *imagesgroup.xml* file, you need to create the *group-name.xml* file.

The *Animals.xml* file looks like:

```
<?xml version="1.0" encoding="iso-8859-1"?>
<images>
<image>Anonymous_turtle.png</image>
<image>ArtFavor_Sheep_(Ewe)_2.png</image>
<image>Anonymous_emperor_penguin.png</image>
<image>zeimusu_Leaping_cat.png</image>
<image>Anonymous_the_elk.png</image>
<image>zeimusu_spotty_dog.png</image>
<image>ArtFavor_Cartoon_Sheep.png</image>
<image>zeimusu_nayrhcrel_Wood_Ibis_2.png</image>
<image>zeimusu_nayrhcrel_Wood_Ibis_1.png</image>
<image>ArtFavor_Sheep_(Ewe).png</image>
<image>zeimusu_Lion.png</image>
<image>Anonymous_Tiger.png</image>
<image>AlanO_Kittens_One_with_Blue_Ribbon.png</image>
<image>zeimusu_lion_face.png</image>
<image>zeimusu_Magpie_2.png</image>
<image>addon_the_crab.png</image>
<image>zeimusu_Magpie.png</image>
</images>
```

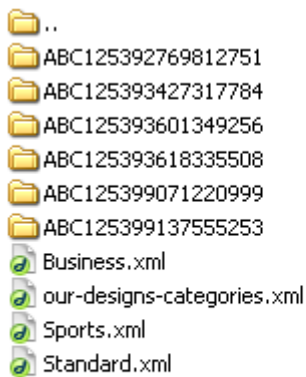
Copy and paste the *Animals.xml* code as a starting point for your file. Simply change the image-name between each `<image>` tag.

Note: The image file names must match exactly the file name in the group directory. File names can NOT have and spaces in them. Replace any spaces with a dash or underscore. Remember, file names are case-sensitive.

Any image file that is in the directory but not included in the *groupname.xml* file will not show-up in the gallery. So, if you want to remove an image from the gallery. Remove the `<image>` tag in the xml file. Leave the actual image file in the directory, in case you decide to add it again later.

6.4 Modifying the *Our Designs* Gallery

The Our Designs gallery can be turned-on or off from the *wep-config-tool.xml* file. This gallery allows you to categorize designs for your customers. You may have different generic designs for businesses, sports teams, charities or any other category. There is no known limit to the number of categories or designs per category. The gallery will include a scroll-bar if the number of designs exceeds the height of the dialog box. Once a customer selects a design, the design will open in the designer and they can edit the design and save it under their email address. The wePrint Design Studio ships without any designs in the Our Designs gallery. The directory that contains the configuration files and the design files is *ourdesigns*. Here is the listing of *ourdesigns* directory from a simple example.



The *our-designs-categories.xml* file determines the categories listing in the gallery. Each category has a *categoryname.xml* file. The directory for each design must be within the *ourdesigns* directory. Here is the sample *our-designs-categories.xml*:

```
<?xml version="1.0" encoding="iso-8859-1"?>
<categories>
<category>Standard</category>
<category>Business</category>
<category>Sports</category>
</categories>
```

With this example there are three categories (Standard, Business, and Sports). As can be seen from this code, each category has a corresponding xml file. The *category.xml* will list the thumbnails for each design in that category. Here is the sample *Standard.xml* file:

```
<?xml version="1.0" encoding="iso-8859-1"?>
<designs>
<designThumb>ABC125392769812751-thumbF.png</designThumb>
<designThumb>ABC125393427317784-thumbF.png</designThumb>
</designs>
```

Each thumbnail corresponds to a design that is in the design directory. The design can be any design that was saved using the design tool. Simply copy the entire design directory from the *saveddesigns* directory into the *ourdesigns* directory.

Chapter 7 Print Admin

7.1.1 Introduction

The wePrint Print Admin is found within the Zen Cart admin portion of your site. There is no direct link to the wePrint Print Admin page within the store admin section. However, you will need to log into your store admin section before you can reach the wePrint admin page. From this page you can create an enlarged image from a customer's design or create a java script file which can be loaded into Adobe Illustrator (requires AI CS3 or greater).

Once you have logged into your store admin section, type the following address into your browser: `yourStoreDomain/admin/weprint_printadmin.php`

The Adobe Illustrator plug-in creates a java script file from a saved design. This java script file can then be "loaded" into an AI document. When the script is run within an AI document, all the objects from the design will be placed into the document in their proper locations. The process of loading a script into an AI document will be described in section 3.

Before using the AI plug-in tool we suggest you set up a location on your local machine to save the download designs. By default, the AI tool expects that you have each saved design in a folder within: `c:\weprint\saveddesigns\`

You would then download the saved design folder to this directory. For example:
`c:\weprint\saveddesigns\ABCxxxxxxxxxx` (where `ABCxxxxxxxxxx` is the saved design ID)

7.1.2 AI Parameters

Scale Factor

The scale factor is used to scale the design objects from the size that is seen within the designer to the actual size of your printable canvas. For example, the standard Adult tee that ships with the wePrint tool, has a printable area (on screen) of 350px X 400px. This is 1/4th the actual size of the garment (1400px X 1600px). The *Scale Factor* defaults to 4. For your particular medium you may find that a different scale factor is better (for example 3.8). You could set the scale factor to 1 and then do all you scaling from within AI.

Text Conversion

By default any text object in a design will be converted to an outline. You can choose to "Keep Text" as formatted text.

IMPORTANT: For best alignment you should convert the text to outlines. If you leave the text as formatted text, AI will place a larger bounding box around the text object. Also, the anchor point may be slightly different for text using a script font. The difference in the bounding box can create mis-alignments in the AI document when compared to the original design as seen in the wePrint tool. We suggest that you convert text to outlines, unless you need to edit the text once in AI. Also, sometimes arched text may be cut-off when placed into AI. In this case, you should keep the text as formatted text. Once in AI, select the text on the arched path and decrease the font slightly. If you add new fonts to the gallery you need to run an AI font utility - see 3.4 below.

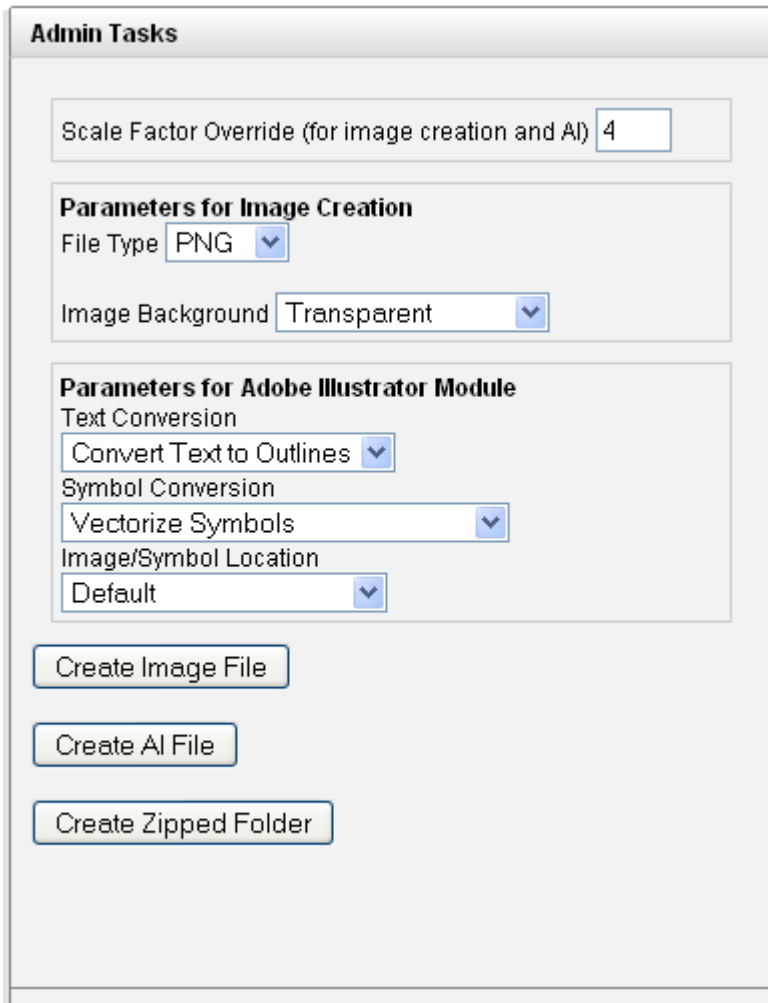
Symbol Conversion

By default any symbol that is placed in the design will be converted to an outline in AI. This is the simplest way to handle the symbols that are in the symbol gallery, since they are single color and it is straight forward conversion from a png to an vectorized outline.

However, if you add other symbols to the gallery that may not be straight-forward in the conversion, you can change this option to - "Keep Symbols as Raster Images". In this case, the symbols will be embedded into the AI document as a raster image. You can then manually convert them to vector outline as needed.

Symbol/Image Location

By default AI expects that any images that are in a design can be loaded from c:\weprint\savedesigns\ABCxxxxxxxxx\. If you are on a MAC, or do not have the directory as above, than you will need to change this parameter to - "Select from AI Interface". In this case, when you load the saved AI script into your AI document, you will be prompted to specify where the images are located for the design.



Once you have the files created (image file and/or AI file), you can create a zip folder. This folder will include all the files required for the saved design. Click on the download link to download the file. Clicking the link should bring up a dialog box to save the zip folder to your machine. As suggested above, we suggest that you save the files to the c:\weprint\saveddesigns folder and then extract the files

into a folder specific to that design (i.e. ABC123xxxxxxxxxx).

7.1.3 Loading File into AI

With the zip folder downloaded to your local machine, unzip the folder. You will now have a folder named ABCxxxxxxxx, which is the design ID. This folder will contain any of the files created from the steps above. If there are any symbols or images in the design, copies of these images will be included in this file. The steps outlined above will create a java script file for the saved design. The file will be named - ABCxxxxxxxx-F.js. The "F" refers to a front design. A back design will have a "B" appended to the file name. If the design has a front and a back there will be a java script file for each location.

Start with Blank Document

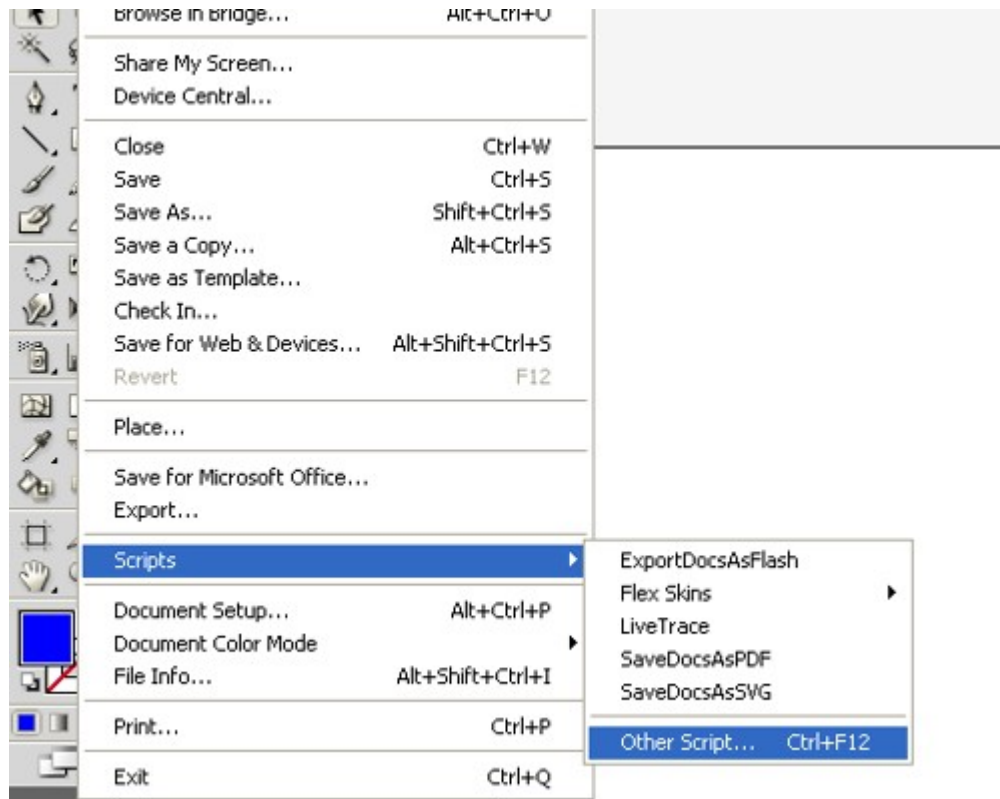
Open a new document in AI. The artboard needs to be set to the dimensions based on the design medium. For example, the Adult tee artboard should be 1400px by 1600px.

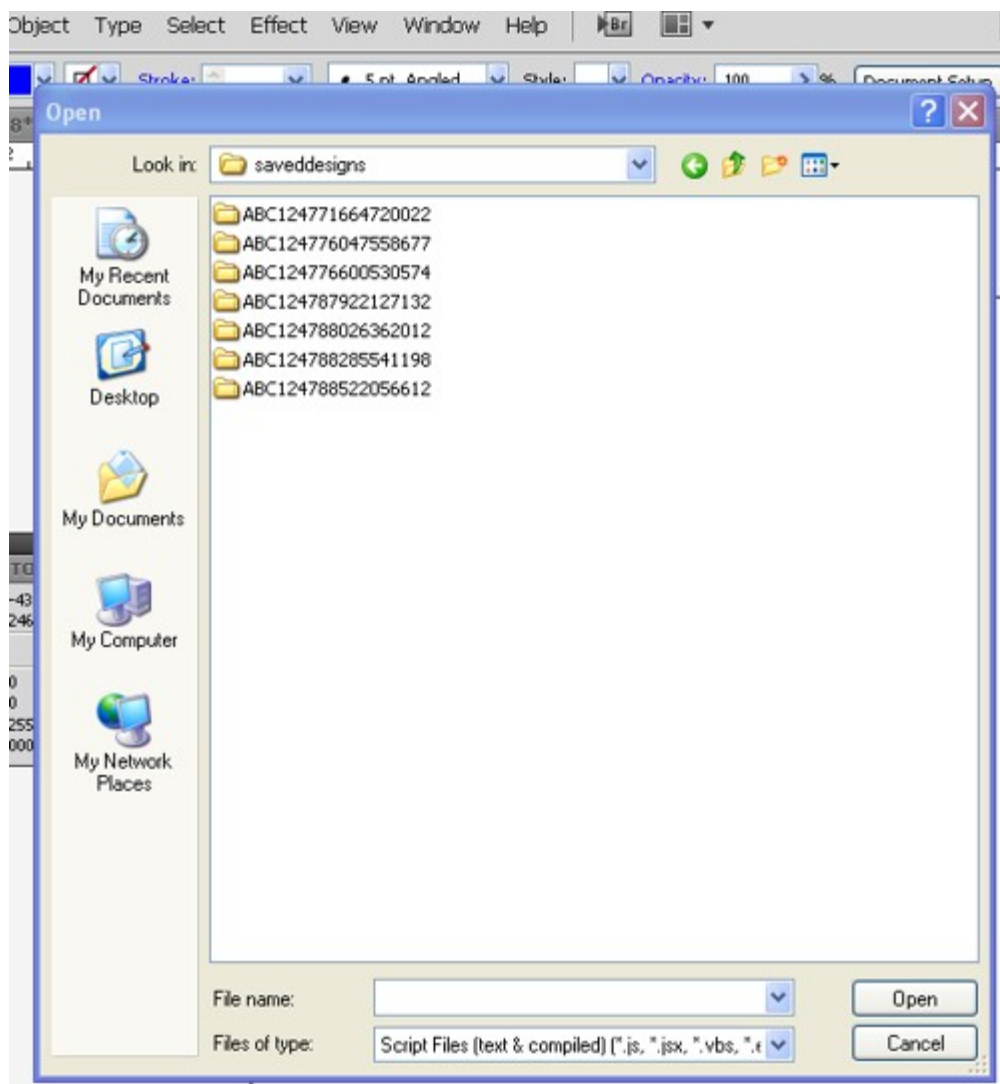
IMPORTANT: By default, AI places the origin at the lower left corner of the artboard. The wePrint Design Tool uses the top left corner as the origin. Therefore, you need to place the origin of the artboard at the top left corner.

It will obviously save time if you save your standard artboard sizes along with the correct origin for future use.

Load the Javascript

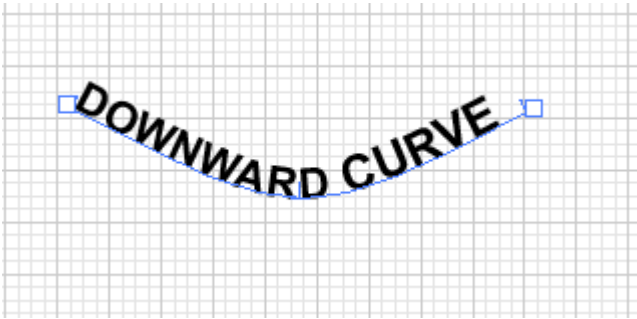
From the *File Menu*, choose *Other Script*. This will launch a dialog box in which you can use to locate the js file for your design. Once you locate the design, and *Open* it, the script will load the design onto the artboard. If there are images in the design and AI can not find the default image location, another dialog box will appear. Use this dialog box to find and select the saved design folder. AI will now be able to find and load any images into the document.

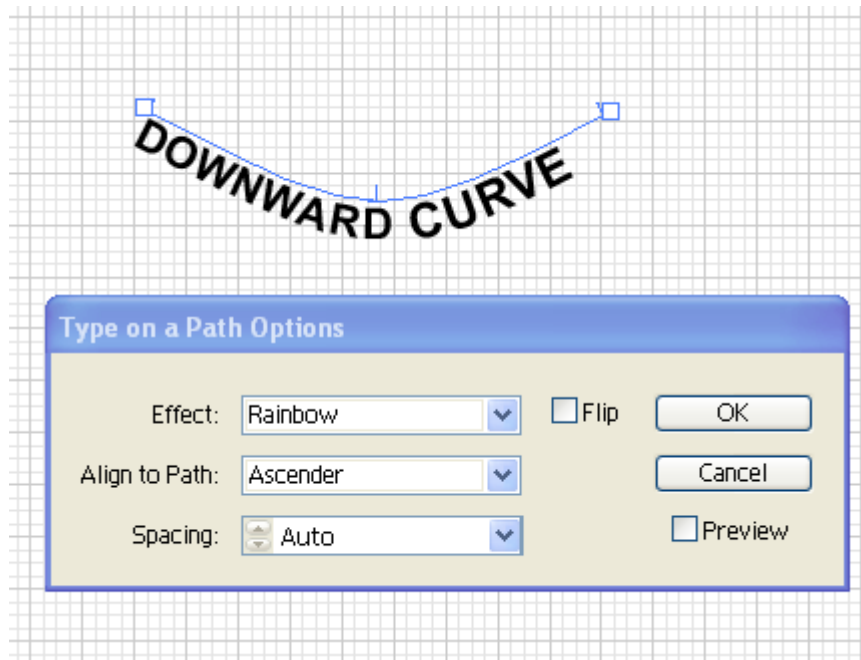




Issue with Curved Text in the Downward Direction

When the design includes text that is curved (arched) downward. There is an extra step that may need to be taken. Figure 4 shows a design with text curved downward. The design tool curves the text below the line. AI by default, places the text above the line, see Figure 5. If the text seems to look different due to the placement, you can change the path alignment by going to *Type => Type on Path => Type Options* and changing the *Align to Path* option from Baseline to Ascender. This change will place the text below the curve. See Figure 6.





AI Fonts Utility

The font names in the drop-down menu are not a one-to-one correlation with the internal name of the font. For example, Arial is internally known as ArialMT. There is an xml file within the printadmin directory, AIfonts-conversion.xml, that translates the font name used in the wePrint Design Studio with the internal name required by AI. If you add fonts to your gallery, you will need to add a new font item to this xml file. In order, to find-out the internal names of the fonts on your system, there is a java script file, AI-fonts.js, within the extras folder of the AI install folder. You can open this script file from within a blank AI document and AI will output into this document the names of all the fonts in your system. You then need to add the font-name/AI-font-name pair to the xml file.