

Image Management

Image Sizes

Titan CMS automatically creates multiple image versions at various sizes on upload. It uses the longest edge (height or width) and keeps the original aspect ratio. You do not need to upload multiple image sizes. The only exception is a Spotlight or Teaser image, which are automatically cropped by Titan CMS. If the cropping isn't ideal, you may want to upload a separate Teaser or Spotlight image.

SIZE NAME	DEFAULT SIZE (PIXELS)
Large	640px (original aspect ratio maintained)
Medium	320px (original aspect ratio maintained)
Small	160 px (original aspect ratio maintained)
Thumbnail	80x80 px (cropped from the top left, if necessary)

- A photo uploaded at 1280 x 400px will have a "Large" size of 640 x 200px.
- If you input a square image at 1200 x 1200px, the "Large" size will be 640 x 640px.
- If an image is uploaded smaller than 640px on its longer edge, the system is unable to create a "Large" size, but it will create any sizes smaller than the original image.
- The exception to the rule of maintaining aspect ratio is the "Thumbnail" size. Titan CMS will automatically crop, from the top left, any image into a square.
- Custom image sizes can be created or added to match your site's design.

Image Optimization

Choosing the perfect images for your website is half the battle. The other half involves optimizing those images to give users the best possible experience. Larger images take longer to load. Titan CMS makes managing your images easy and helps you win the optimization battle.

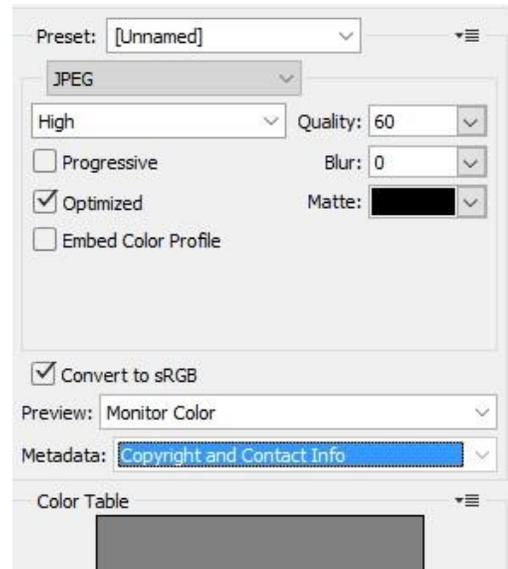
Images and Page Speed

High-quality photographic images bring obvious benefits, but large, uncompressed photographic images slow down the loading of your site and degrade user experience and brand impression. The trick is to find the sweet spot between the two competing interests.

Image optimization must be a conscious component of your web content workflow, but there is no single correct way to optimize images. Optimization factors include file type, compression, pixel dimension, quality, content of encoded data and vector vs raster, among others.

Optimize images

- The best practice for photographic image compression when uploading images into Titan CMS is to save/export as .jpg (.jpeg) files with the longer edge (either height or width) **greater than 640 pixels and less than 2000 pixels**. If you don't have access to Adobe Photoshop, many online tools are available for image compression. Some free tools include:
 - Tiny PNG: <https://tinypng.com/>
 - JPEGmini: <https://www.jpegmini.com/>
- With Photoshop, we recommend that you save/export your images to be web optimized at 60-80% quality.
- Choosing to minimize the included metadata (see above) will also be beneficial.
- You can exercise this option only when you choose "Save for Web," rather than "Export As," for your images in Photoshop.
- If your page design calls for full-screen images, you should have guidelines in your Style Guide (typically built within Titan CMS) recommending specific sizes custom to your site, perhaps 1600-2000 pixels wide.



Choose the Right Image Size

- As you build a page in Titan CMS and add content, remember to choose the smallest version of your image necessary to fill the spot where it will display.
- Refrain from forcing your end user to load an image file larger than required.
- Keep in mind that as your content stacks on mobile devices, a tablet may require a larger image than a desktop.

Performance Optimization Package

Titan CMS offers a Performance Optimization Package to enhance your site's speed and performance. This package uses lazy loading images and img srcset to maximize your site's performance. Contact your Titan Administrator or Account Director for more information.

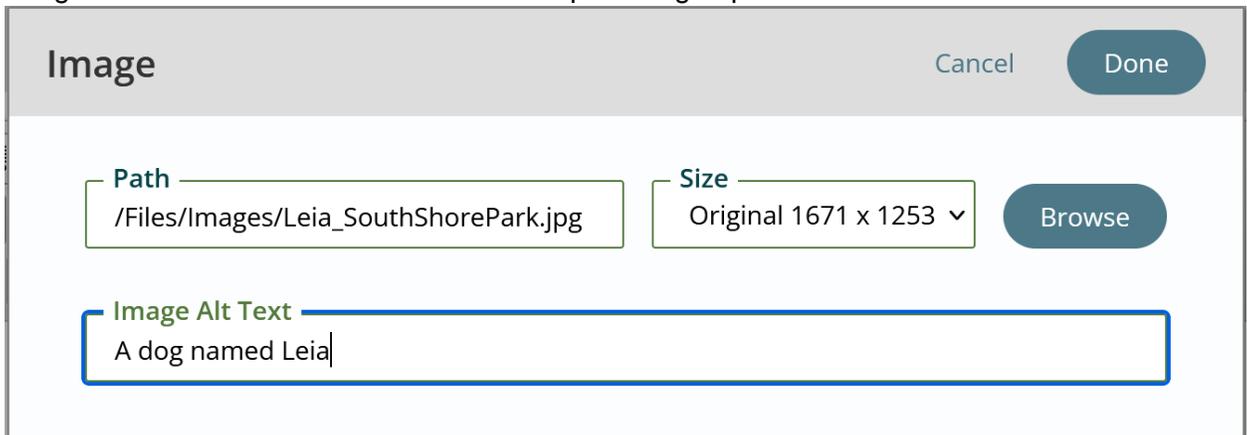
Titan CMS Image Editor

The Titan CMS Image Editor can be accessed from either the Freeform Block or from a File Pile location.

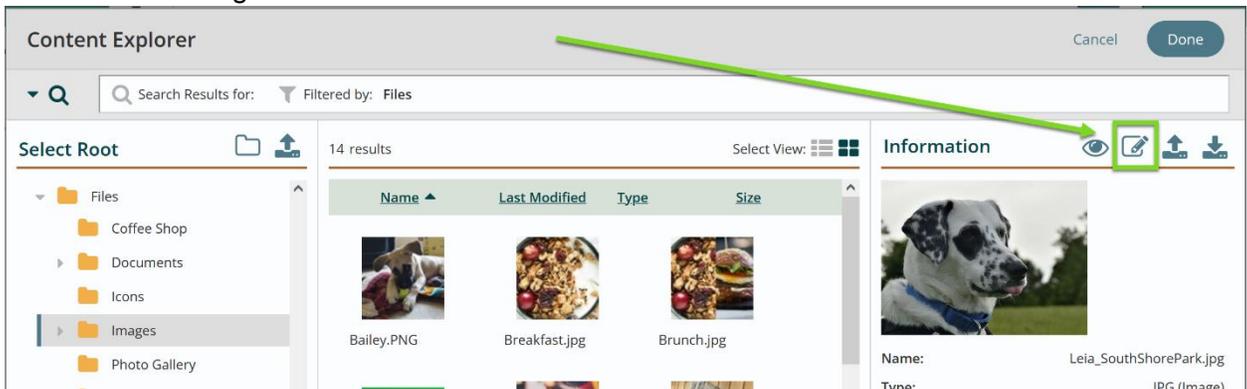
Crop an Image

This will allow you to trim the image down to a portion of the original image.

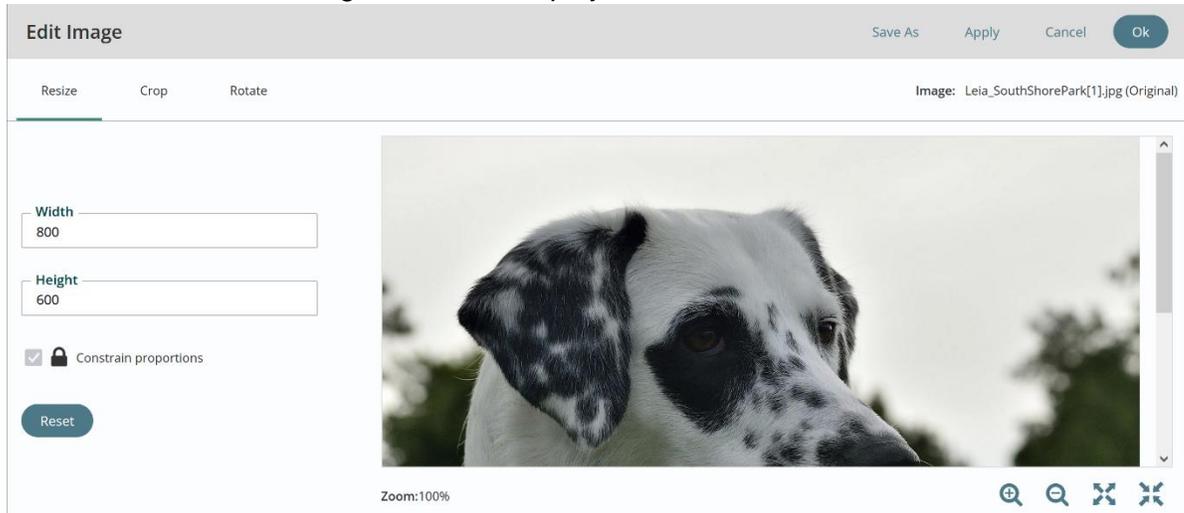
1. From a Freeform Block, double click on the image, or select the image and click the Images button  in the toolbar. This will open image options.



2. Click Browse to open the Content Explorer, where you can select and/or edit an image.
3. Click the Edit Image icon.



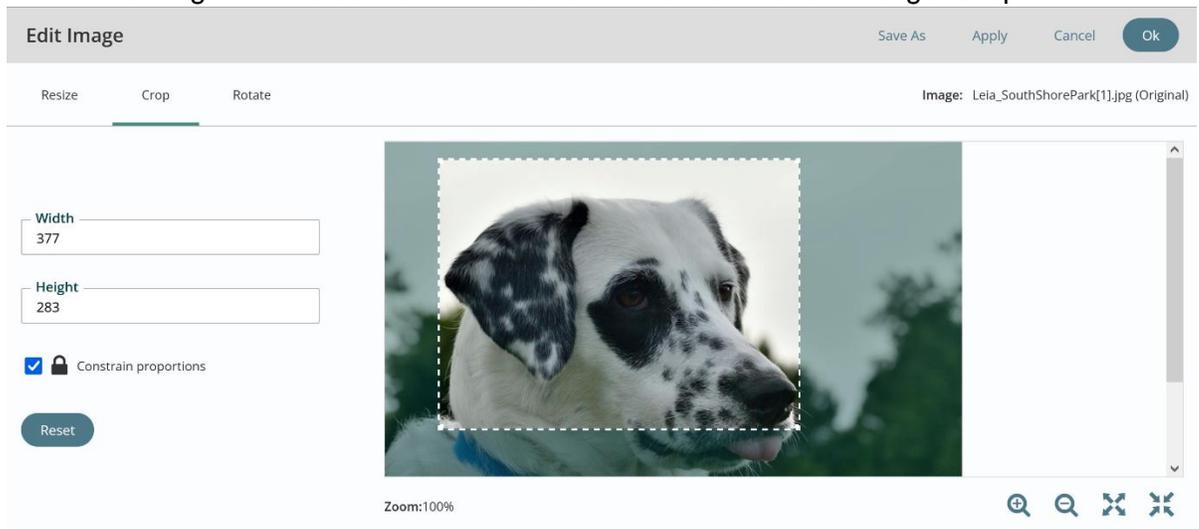
4. The Resize tab in the Image Editor will display first.



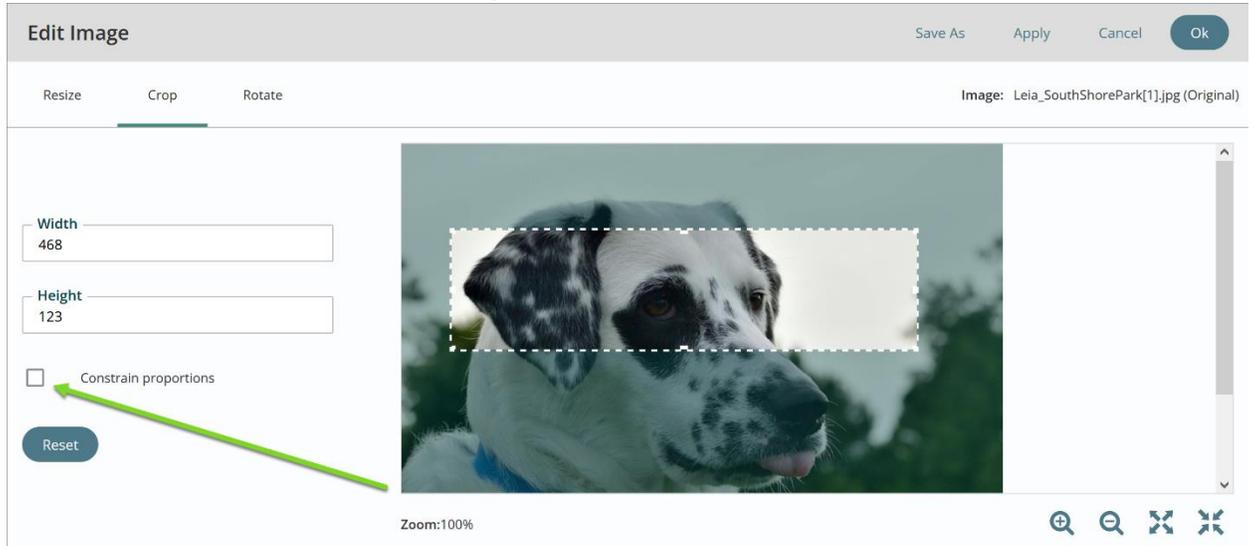
5. Select the Crop Tab in the Image Editor.



6. The actual Crop Box Size may be changed. You may type in the desired number in the Width and Height text fields. You will be able to create a smaller or larger Crop Box.



- To change the Width and Height of the Crop Box without being constrained to a certain combination, deselect **Constrain Proportions**.



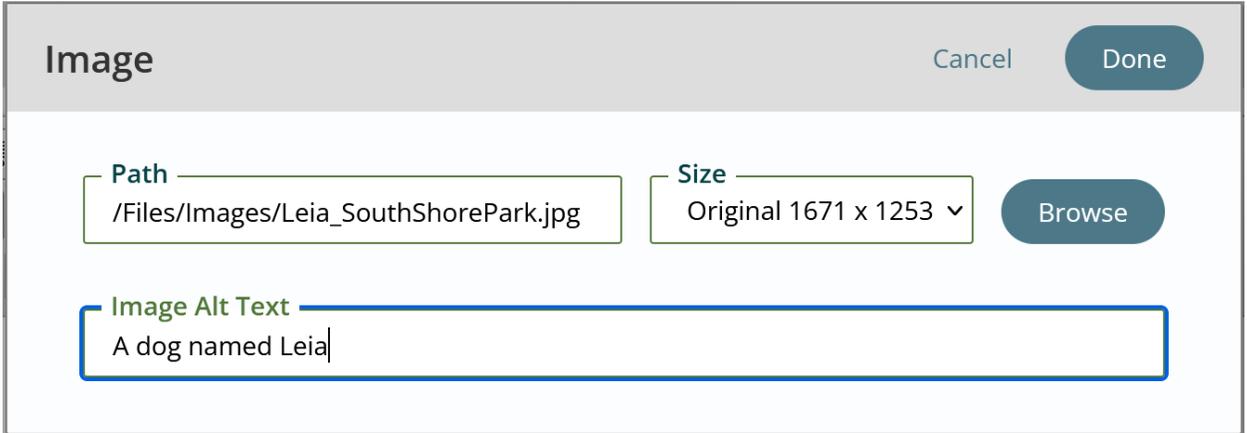
- To select different area of image to Crop, move the white box by clicking on box or side and dragging box over image as it becomes highlighted. Pointer will display as four arrows.
- To select a different sized area of the image to Crop, click on the corners and expand the white box as image becomes highlighted. Pointer will display as two arrows.
- To Reset the Image back to original Width and Height, select Reset.
- There are four buttons at the Top of the Image Editor:



- Save As** allows you to save the new image settings without overwriting the original image.
 - Apply** allows you to see what the image looks like with the new settings. You still have the option to "Cancel" out of the change.
 - Cancel** will undo the changes you have made.
 - Ok** allows you to save the new images settings to the original image.
- Titan CMS automatically generates the new versions of the web-ready images available to use into the Freeform Block. Select the desired image size for the freeform.
 - Click Done.
 - Click Done to update the Freeform Block, and then Save or Publish the changes to the page.

Resize an Image in the Freeform Block

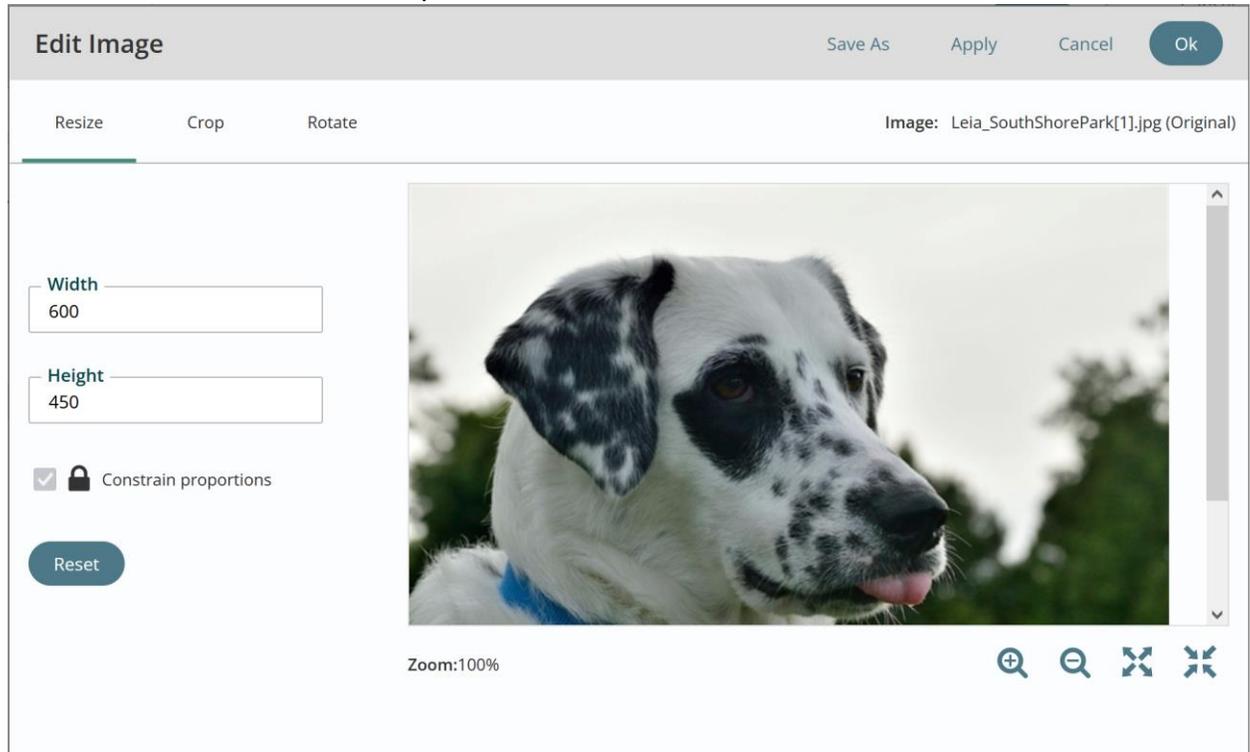
1. From a Freeform Block, double click on the image, or select the image and click the Images button  in the toolbar. This will open the image overview.



The screenshot shows an "Image" dialog box with a title bar containing "Image", "Cancel", and "Done" buttons. The main area contains two input fields: "Path" with the value "/Files/Images/Leia_SouthShorePark.jpg" and "Size" with the value "Original 1671 x 1253" and a dropdown arrow. A "Browse" button is located to the right of the "Size" field. Below these fields is an "Image Alt Text" field containing the text "A dog named Leia".

2. Click Browse to open the Content Explorer, where you can edit the image.
3. Open the Image Editor from the icon at the top of the information panel. 
4. The Resize tab in the Image Editor will be the default view.
5. Using the Width and Height input fields, enter the desired pixel values to resize the image. You can enable or disable proportion constraint on the image by clicking the

check box next to Constrain Proportions.



6. Click OK when done.

Resize an Image in the File Pile

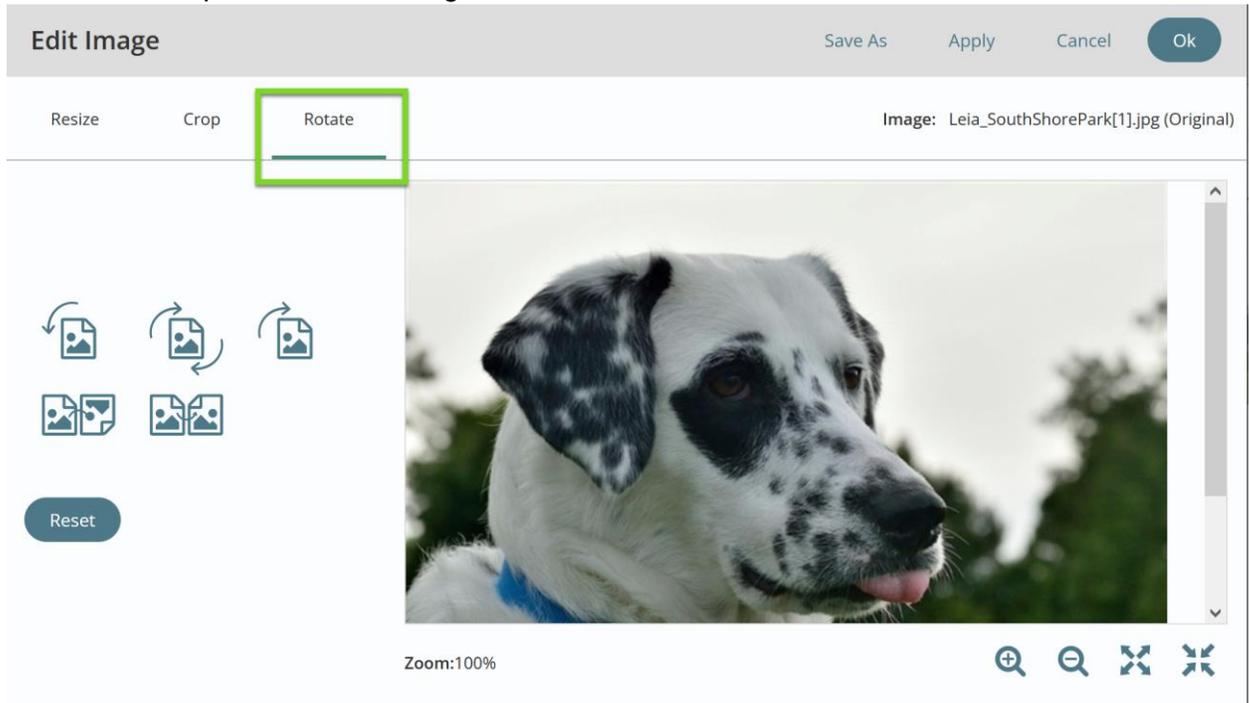
Locate the image in your file pile and access the Image Editor as follows:

1. Select the image in the primary browse view.
2. Click the “Edit Image” button.
3. Select the “Resize” tab in the Image Editor.
4. Using the Width and Height input fields, enter the desired pixel values to resize the image. You can enable or disable proportion constraint on the image by clicking the check box next to Constrain Proportions.
5. Click OK when done.
6. Save and/or Publish the image using the App Ribbon in Titan CMS.

Rotate an Image

1. From a Freeform Block, double click on the image, or select the image and click the Images button  in the toolbar. This will open the image overview.
2. Click the Browse button to open the Content Explorer.

3. Open the Image Editor from the icon at the top of the information panel.
4. Select the Rotate Tab in the Image Editor.
5. You have the option to rotate using the icons on the left.



6. Click OK to save your changes