Content-Aware Fill
Extending the boundaries of your photo
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Version 1, June 26, 2019
Content-aware fill is a useful tool for extending the edges of your image. You can do this when you’ve framed your subject too close to one of the edges of the frame, or to clean up rough edges of a stitched panorama. There are many reasons to use content-aware fill, and it’s really not difficult to do. Just be careful in its use when submitting images to competitions, or if there’s any other reason to be cautious of adding to the reality of the image.

This tutorial is written for use with Adobe Lightroom Classic and Adobe Photoshop.
1) The first thing we need to do is to open the image in Photoshop. To open image in Photoshop from Lightroom, select **Photo > Edit In** > **Edit in Adobe Photoshop**. You can also do this by right-clicking on the image itself, which brings up the **Photo** menu. Make sure you edit a copy, not the original.
2) Use the **Crop Tool** in Photoshop to expand the crop (drag crop outwards in the directions you want to fill), then hit **Enter**.

3) Go to **Select > Color Range > Sampled Colors**, then sample (click with eyedropper) on white canvas portion. Drag **Fuzziness** slider all the way to the left, then click **OK** button.
4) Go to **Select > Modify > Expand by 2 pixels**, then click **OK**.

![Expand Selection](image1.png)

5) Go to **Edit > Fill > Content Aware Fill**. Leave everything on default, hit **OK** button and wait for Photoshop to complete the task (see more advanced option below).

![Fill](image2.png)
ADVANCED OPTION: Go to **Edit > Content-Aware Fill** and you will be presented with additional options for further refining your work. Use the preview window to see how your selections will affect the final fill.

6) Go to **File > Save**, then close Photoshop and return to Lightroom. Your new content-aware filled image will now be available in Lightroom.

Have fun with your images, and remember this when culling your images. Photos that you might toss normally could be fantastic with a little content-aware fill!