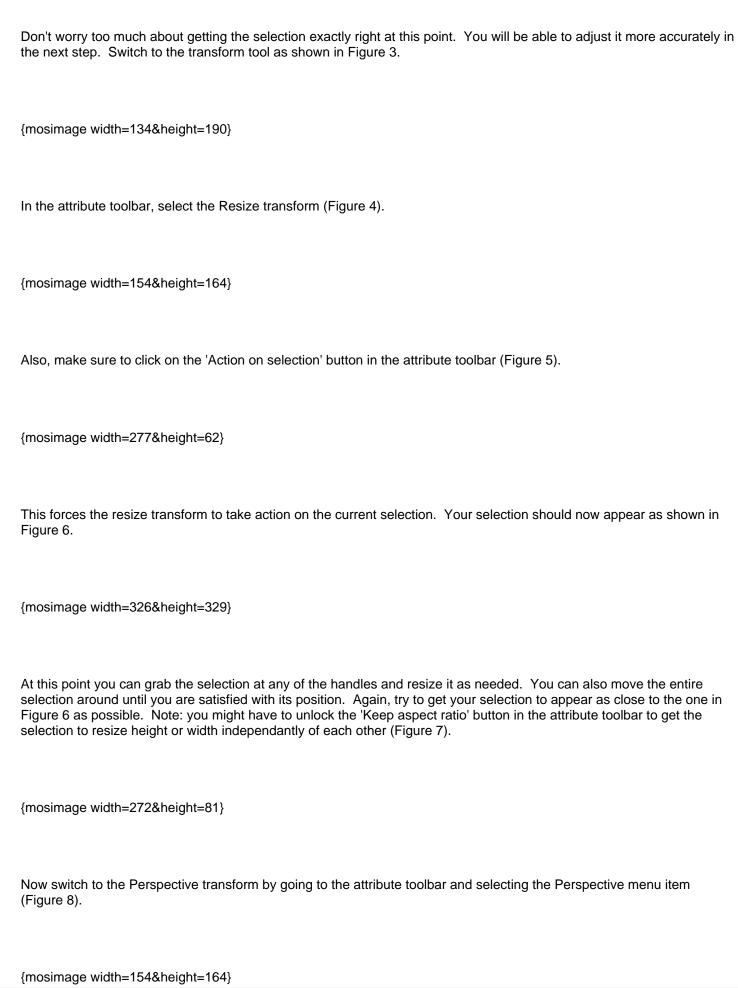
3D Photo Effect From A 2D Image

Contributed by Ken Lowther Saturday, 29 December 2007 Last Updated Tuesday, 15 January 2008

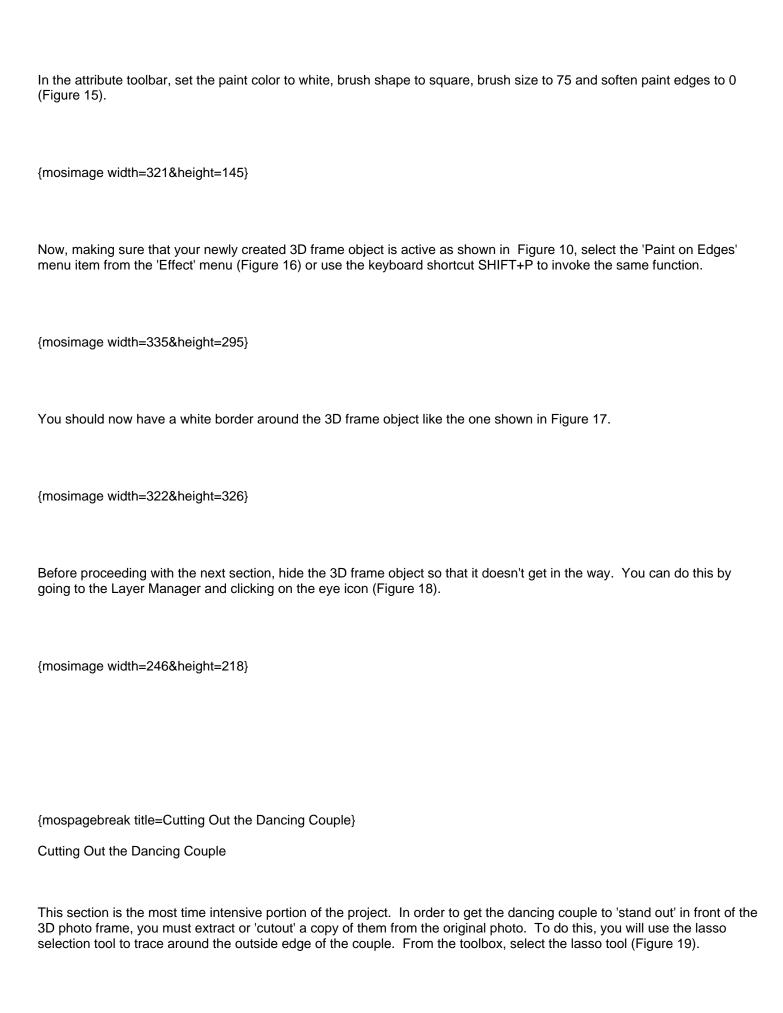
There are many tutorials available regarding this effect, but I have not seen one showing how this can be done in PhotoImpact. In this tutorial, we will take the 2D image shown below
{mosimage width=480&height=485}
and create a 3D effect like the one shown in the next image.
{mosimage width=480&height=485}
If you wish, follow along in the tutorial using an image of your own choosing or you can download the original image used in the tutorial from here.
{mospagebreak title=Framing the 3D photo}
Framing the 3D photo
First we will create the 3D photo frame around the dancing couple. Assuming that you have opened your image in PhotoImpact, choose the standard selection tool as shown in Figure 1.
{mosimage width=239&height=189}
Create a static selection by drawing a box around the couple similar to that shown in Figure 2.
{mosimage width=326&height=329}

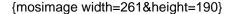


Grab the handle in the upper left corner of the selection and move it down until it resembles the one shown in Figure 9.
{mosimage width=326&height=329}
When you are satisfied, create a new object from the selection by pressing Ctrl+Shift+O or going to the Selection menu and selecting 'Convert to Object'. This should create a new object from your selection. You can verify this by looking at the Layer Manager. It should appear much the same as Figure 10.
{mosimage width=247&height=241}
You can also hide the base image by hitting Ctrl+F5 and see just the newly created object (Figure 11). Ctrl+F5 again will redisplay the base image.
{mosimage width=326&height=330}
If you haven't already, now would be a good time to save your work. Since you originally loaded a JPG image, you'll want to use the 'Save As' function (Figure 12) to accomplish this.
{mosimage width=217&height=288}
Remember to change the 'Save as type' to UFO (Figure 13) so that your newly created objects are saved intact.
{mosimage width=555&height=483}
Now that you have your 3D frame created, you can paint the white photo frame around its edges. Select the paintbrush from the toolbox window (Figure 14).

{mosimage width=218&height=308}

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Before beginning your selection, it is best if you can arrange the image of the couple to be as large as possible without the need to scroll in either direction to get to any of the edges. This is because, once you begin the selection, it is difficult scroll the image around without messing up the selection process. The best way that I have found to accomplish this is to use full-screen mode, toggled by keying CTRL+U, and increasing the size of the image (using the + key) until the entire image of the couple is as large as it can be without any of the edges going off screen. Once you have completed the selection you can go back to normal display mode by keying CTRL+U again.

There a two ways to use the lasso tool. They are controlled by the 'Smart lasso' checkbox in the attribute panel (Figure 20).

{mosimage width=366&height=130}

With smart lasso turned on, you start by performing a left click somewhere on the outer edge of the area that you are going to cutout. This creates an initial anchor point and causes PhotoImpact to display a circle around the current cursor position. The circle represents the area around the cursor that PhotoImpact looks at to automatically detect the edge of the object. The size of the circle, the area to consider when tracing, is controlled by the setting in the attribute panel Figure 20. The larger the value, the larger the circle. After performing the initial left click, trace the subject by moving the mouse over the edges of the couple (no need to hold down the mouse button). While tracing, when you have made a desired edge selection, left click on the selection path to add an anchor point (Figure 21). Adding an anchor point prevents you from accidentally retracing (deleting) your selection path.

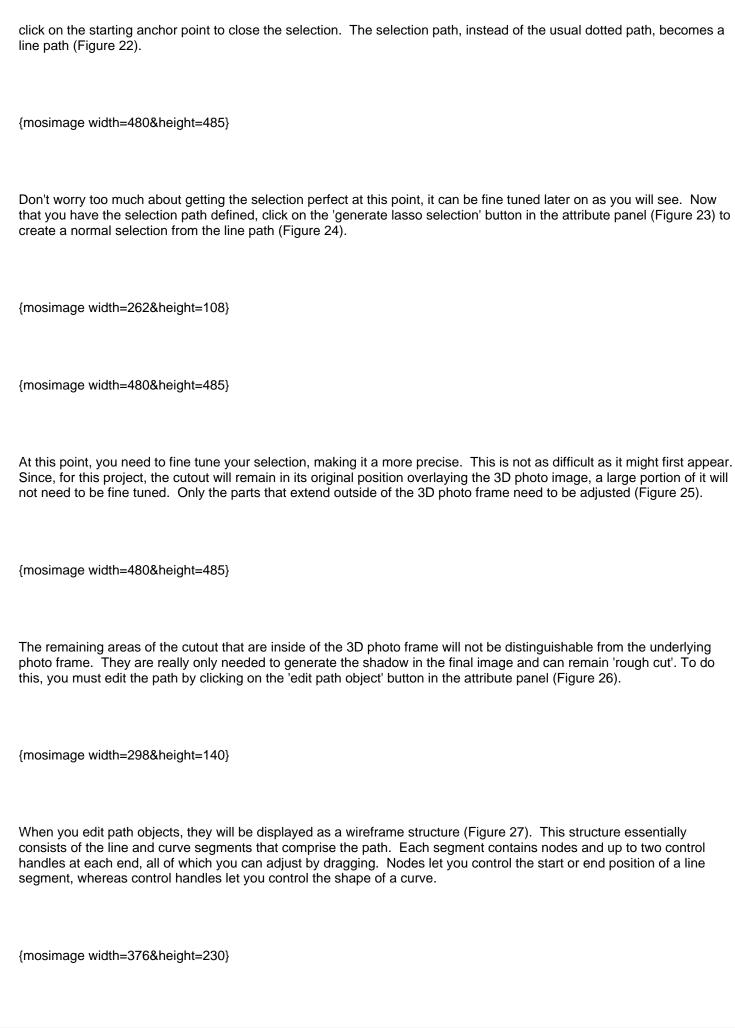
{mosimage width=302&height=218}

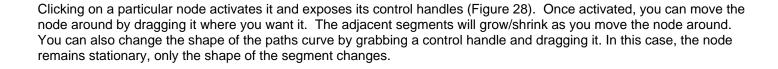
If you make a mistake in selecting, just retrace along the selection path to the point where you want to begin selecting again. You cannot retrace a path that is between two anchor points. To delete the current selection path that is between the last anchor point and the current cursor position, press BACKSPACE.

With smart lasso turned off, the selection process is essentially the same except that PhotoImpact will not do automatic edge detection. In this mode, there is no 'area to consider' circle displayed, rather, your selection is a series of straight lines that you angle to enclose the subject. Every time you left click, the current selection point is locked down (Figure 21a). This results in a somewhat blockier selection, but can be done much quicker and in some cases the results are just as good.

{mosimage width=304&height=234}

Regardless of whether you use smart lasso or not, once you have made it all the way around the edges of the subject,





{mosimage width=376&height=230}

Typically, during normal path editing you will operate in 'Pick Node' mode (Figure 29). In this mode, to add a node to the path, click on the segment where you want a node added to activate it, then right click and select 'Add Point' from the context menu. A new node will be added in the middle of the selected segment. You can also delete a node in the same manner by activating the node then right clicking and selecting 'Delete Point' from the context menu.

{mosimage width=296&height=230}

To add or delete a lot of nodes from the path, it might be quicker to use the 'Add Node' or 'Delete Node' modes instead (Figure 29). In the Add Node mode, a new node is added wherever you left click on the path. In Delete Node mode, any node that you click on will be deleted. If you use the 'smart lasso' option of the lasso tool to create the path, this can be a real time saver as it tends to create a lot of nodes many of which can be deleted.

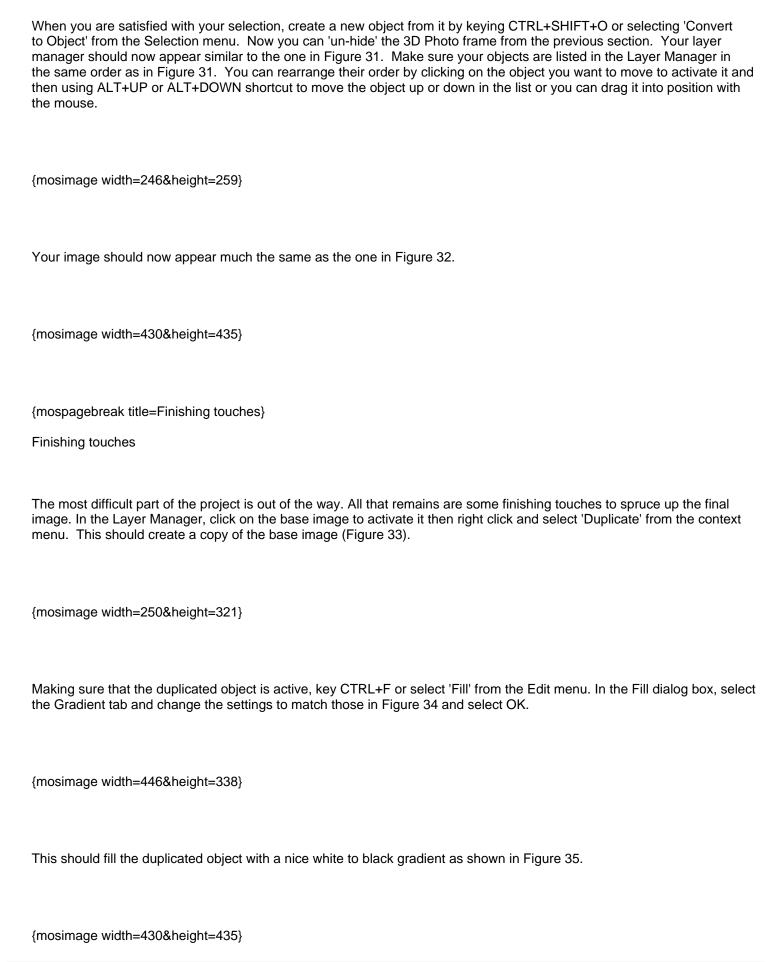
Zooming in on the area that you are editing (using the + key) allows you to get a good detailed view of your path and the image you are editing. As you can see, there are a number of tools available that enable you to create very precise selections. Path editing may seem a bit cumbersome at first, but it gets easier with a little practice and patience. It is a skill that is well worth the time to master.

Before beginning your path editing, you might want to save your work so that you have a good restart point. Having created your rough cut selection, you can now save at any time and resume later if need be. Path editing can be tedious work and the ability to save and resume later is a lifesaver. To resume path editing, load your saved project and select the path edit tool (Figure 30). From the attribute bar, click on the 'Toggle between object and wireframe modes' button (Figure 29) and you are back in business.{mosimage width=271&height=220}

Concentrate your editing on the four areas of the selection circled in Figure 25. For example, you should be able to change the selection in Figure 27 to appear more like that shown in Figure 30a.

{mosimage width=434&height=286}

Once you have these fine tuned, examine the remaining areas of the path making sure that there are no really wild variations from the edge of the couple. Again, these remaining areas are not really that important other than they will affect the shape of the shadow that will be generated in the final image.



To further enhance the 3D look, add a shadow to the dancing couple by clicking on the object in the layer manager and keying SHIFT+S or right clicking and selecting 'Shadow' from the context menu. Change the settings in the Shadow dialog box to match those in Figure 36 and select OK.
{mosimage width=428&height=303}
And finally, add a shadow to the 3D photo frame using the settings shown in Figure 37.
{mosimage width=428&height=303}
Your finished project should now appear much the same as that in Figure 38.
{mosimage width=430&height=435}
With that, the conclusion of this tutorial is finally at hand. Here is another simpler example of how a 3D effect can be applied.
{mosimage width=404&height=304}
{mosimage width=404&height=304}
As you can see, the possibilities with this technique are endless, limited only by your imagination. I hope you enjoyed this tutorial and was able to get something useful from it.
Happy editting.