
Subject: Re: Turn Object Automatic Clean-up Off?
Posted by [DavidF\[1\]](#) on Thu, 20 Sep 2012 21:11:18 GMT
[View Forum Message](#) <> [Reply to Message](#)

Marc writes:

- > Out of curiosity:
- >
- > Could you please post an example code where this problem is exposed?
- > How can an object which has no references any more be of relevance in
- > an IDL program?
- >
- > I have a lack of imagination here.

Alright, here is *another* irritating example. I have a widget program, `cgZImage`, that allows me to zoom into an image. As I move my cursor over the zoomed image, it prints out the image location and the value of the image at that location.

I'm working with GeoTiff files a lot, so it would be useful to have the image location in lat/lon values rather than pixel values. I want to pass the program a `cgMap` object, which is what I use to set up a map projection and coordinate system. I can use this object to convert a pixel location to a lat/lon value.

I create the map object outside the program:

```
mapObj = cgGeoMap(geoTiffFile, Image=image)
```

Then, I pass both the image and the map object into my widget program:

```
cgZImage, image, Map=mapObj
```

Inside the program, I store the map object in the info structure of the program, and try to use it in an event handler. It is always invalid!!

Indeed:

```
IDL> mapObj = cgGeoMap(geoTiffFile, Image=image)
IDL> Print, Obj_Valid(mapObj)
1
IDL> cgZImage, image, MAP=mapObj
IDL> Print, Obj_Valid(mapObj)
0
```

Not at all what I wanted!

Cheers,

David
