Subject: The best way to keep data in RAM / object-oriented programming
Posted by natha on Thu, 03 Dec 2009 15:44:51 GMT
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Hi gurus,

My application needs a lot of RAM so I have to improve a solution in order to to use less resources.
Normally, when I've an object I use declarations like this:

```
pro myobject__define
  struct = { myobject, $
             data: ptr_new() }
end
```

Now for example if my object has to save an array like FLTARR (400,400,24,97) I will use the data pointer to store this array. The problem is that if I do this I take a lot of computer resources. With this example:

```
help, /mem
aa=fltarr(400,400,24,97)
myobject->SetProperty, DATA=aa
aa=0l
help, /mem
```

IDl returns:

```
heap memory used:     658906, max:  805215874, gets:     1195,
frees:      387
heap memory used: 1490578946, max: 1490579037, gets:     1207,
frees:      398
```

So, only for this example I'm using 1.4 Gb aprox. I tried to used ASSOC procedure but I didn't succeed.... Some suggestions or comments about how to reduce the memory ? There is a method to store compressed data or something similar ?

Thanks in advance,
nata