
Subject: Alternative to EXECUTE?

Posted by [anne.martel](#) on Tue, 02 Dec 2003 14:40:31 GMT

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I've just realised that the IDL Virtual Machine won't work with EXECUTE. Does anyone have an alternative for the sort of use described below?

I'm using EXECUTE to initialise an object with a set of fields defined by the structure info. The number of fields defined in info will vary depending on the type of image I'm reading in so I only want to set a subset of the fields. I could explicitly test for each tag name but that makes it harder to add new fields later and I would end up with a very long CASE statement.

```
pro QmclImage::set_info,info
  tmp_class = {QmclImage}
  object_fields = Tag_Names(tmp_class)
  info_fields = Tag_Names(info)
  num=n_elements(info_fields)
  for i = 0,num-1 do begin
    index = where(strcmp( info_fields[i], object_fields,/F),count)
    if(count eq 1) then begin
      str='self.' + info_fields[i] + '=' + info.' + info_fields[i]
      ok = execute(str)
    endif
  endfor
end
```

Thanks,

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