
Subject: Internationalization

Posted by [Miguel Angel Cordoba](#) on Wed, 07 May 2003 09:43:17 GMT

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Hi,

I want to internationalize my applications but I don't know how to do it. I have the translated files of the messages of the application but I don't know if IDL can do a precompiled option that change the messages in the code in the selected language. Another solution is to read the file of messages and store it in a string array, but I think this solution is not a good idea.

Thanx

--

Miguel Angel Cordoba <mailto:cordoba@grahi.upc.es>
<http://campus.uab.es/~2034008>

Grup de Recerca Aplicada en Hidrometeorologia (GRAHi-UPC)
<http://www.grahi.upc.es>

Subject: Re: Internationalization

Posted by [R.Bauer](#) on Thu, 08 May 2003 20:16:45 GMT

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Miguel Angel Cordoba wrote:

> Hi,
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> to do it. I have the translated files of the messages of the application
> but I don't know if IDL can do a precompiled option that change
> the messages in the code in the selected language. Another solution
> is to read the file of messages and store it in a string array, but I
> think
> this solution is not a good idea.
>
>
> Thanx
>

I believe the internationalization isn't yet supported.
I would suggest to do something like this.

you need always txt files named to the belonging routine
e.g. my_prog_lang_en.txt my_prog_lang_de.txt

----routine name lang_message.pro -----

```
FUNCTION lang_message_fetch_file,file
  txt=MAKE_ARRAY(/STRING,fileline(file))
  OPENR,lun,/GET_LUN,file
  READF,lun,txt
  FREE_LUN,lun
  RETURN,txt
END
FUNCTION lang_message,_extra=e
  IF is_structure(e) THEN BEGIN
    l_tags=get_tagname(e,'lang*')
    IF is_structure(l_tags) EQ 1 THEN BEGIN
      language=(TAG_NAMES(l_tags))[0]
      HELP,call=call
      routine=(strsplit(call[1],',',/extract))[0]
      msg_file=STRLOWCASE(routine+'_'+language+'.txt')
      comments=lang_message_fetch_file(msg_file)
    ENDIF ELSE BEGIN
      HELP,call=call
      routine=(strsplit(call[1],',',/extract))[0]
      msg_file=STRLOWCASE(routine+'_lang_de.txt')
      comments=lang_message_fetch_file(msg_file)
    ENDELSE
  ENDIF ELSE BEGIN
    HELP,call=call
    routine=(strsplit(call[1],',',/extract))[0]
    msg_file=STRLOWCASE(routine+'_lang_de.txt')
    comments=lang_message_fetch_file(msg_file)
  ENDELSE
  RETURN,comments
END
```

Example script:
pro my_prog,_extra=e
 message,lang_message(_extra=e),/info
end

called:

```
my_prog,/lang_de>
IDL> my_prog,/lang_de
% MY_PROG: Beispiel für einen Test.
```

or

```
my_prog,/lang_en
IDL> my_prog,/lang_en
% MY_PROG: Example
```

the routine `get_tagname` you can get from our library:

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_source/idl_html/dbase/download/get_tagname.tar.gz

or as idl 5.x binary

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_source/idl_html/dbase/download/get_tagname.sav

For further routines and licensing please have a look at

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

best regards

Reimar

--

Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de
<http://www.fz-juelich.de/icg/icg-i/>

=====

a IDL library at Forschungszentrum Juelich

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

Subject: Re: Internationalization

Posted by [Miguel Angel Cordoba](#) on Mon, 12 May 2003 09:08:56 GMT

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Thank you Reimar,

I found a method based on the `IDLffLanguageCat` class and then routines `MSG_CAT_COMPILE`, `MSG_CAT_OPEN`, `MSG_CAT_CLOSE` and `LOCALE_GET`.

Regards.

Reimar Bauer wrote:

> Miguel Angel Cordoba wrote:

```

>
>
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> ----routine name lang_message.pro -----
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> FUNCTION lang_message_fetch_file,file
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>   OPENR,lun,/GET_LUN,file
>   READF,lun,txt
>   FREE_LUN,lun
>   RETURN,txt
> END
> FUNCTION lang_message,_extra=e
>   IF is_structure(e) THEN BEGIN
>     l_tags=get_tagname(e,'lang*')
>     IF is_structure(l_tags) EQ 1 THEN BEGIN
>       language=(TAG_NAMES(l_tags))[0]
>       HELP,call=call
>       routine=(strsplit(call[1],',',/extract))[0]
>       msg_file=STRLOWCASE(routine+'_'+language+'.txt')
>       comments=lang_message_fetch_file(msg_file)
>     ENDIF ELSE BEGIN
>       HELP,call=call
>       routine=(strsplit(call[1],',',/extract))[0]
>       msg_file=STRLOWCASE(routine+'_lang_de.txt')
>       comments=lang_message_fetch_file(msg_file)

```

```

> ENDELSE
> ENDIF ELSE BEGIN
> HELP,call=call
> routine=(strsplit(call[1],',',/extract))[0]
> msg_file=STRLOWCASE(routine+'_lang_de.txt')
> comments=lang_message_fetch_file(msg_file)
> ENDELSE
> RETURN,comments
> END
>
>
> -----
>
> Example script:
> pro my_prog,_extra=e
> message,lang_message(_extra=e),/info
> end
>
> -----
>
> called:
> my_prog,/lang_de>
> IDL> my_prog,/lang_de
> % MY_PROG: Beispiel für einen Test.
>
> or
>
> my_prog,/lang_en
> IDL> my_prog,/lang_en
> % MY_PROG: Example
>
>
> the routine get_tagname you can get from our library:
>
> http://www.fz-juelich.de/icg/icg1/idl\_icglib/idl\_source/idl\_html/dbase/download/get\_tagname.tar.gz
> or as idl 5.x binary
> http://www.fz-juelich.de/icg/icg1/idl\_icglib/idl\_source/idl\_html/dbase/download/get\_tagname.sav
>
> For further routines and licensing please have a look at
> http://www.fz-juelich.de/icg/icg-i/idl\_icglib/idl\_lib\_intro.html
>
> best regards
>
> Reimar
>
>

```

>

--

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