Subject: Re: Machine Specific Code
Posted by ben.bighair on Tue, 26 Oct 2010 00:30:29 GMT
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On 10/25/10 7:54 PM, David Fanning wrote:
> wlandsman writes:
>
>> I find this also -- so it looks like for Macs we can avoid the
>> flashing to get the maximum useable image area, and that a program
>> GetRealScreenSize() should have separate branches for Mac, Windows,
>> and Linux.
>
> I can never find this in the IDL documentation. Maybe I'll write
> it down somewhere. How does one search for IDL running on
> a Mac in, say, a CASE statement? I presume a Mac is in
> the UNIX OS family, but if I wanted to tell a Mac from
> a LINUX or Sun box I would do... what?
>
> Could someone provide me with the contents of
> !Version for a Mac and maybe a Sun machine?
>

```
IDL> help, !version,/str
** Structure !VERSION, 8 tags, length=104, data length=100:
   ARCH            STRING    'x86_64'
   OS              STRING    'darwin'
   OS_FAMILY       STRING    'unix'
   OS_NAME         STRING    'Mac OS X'
   RELEASE         STRING    '7.1'
   BUILD_DATE      STRING    'Apr 21 2009'
   MEMORY_BITS     INT             64
   FILE_OFFSET_BITS
                   INT             64
```

Subject: Re: Machine Specific Code
Posted by David Fanning on Tue, 26 Oct 2010 00:49:42 GMT
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Ben Tupper writes:

> IDL> help, !version,/str
> ** Structure !VERSION, 8 tags, length=104, data length=100:
>   ARCH   STRING   'x86_64'
>   OS   STRING   'darwin'
>   OS_FAMILY   STRING   'unix'
>   OS_NAME   STRING   'Mac OS X'
>   RELEASE   STRING   '7.1'

```
>     BUILD_DATE      STRING    'Apr 21 2009'
>     MEMORY_BITS     INT           64
>     FILE_OFFSET_BITS
>                     INT           64
```

Thanks, Ben. :-)

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Machine Specific Code
Posted by penteado on Tue, 26 Oct 2010 01:05:38 GMT
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On Oct 25, 9:54 pm, David Fanning <n...@dfanning.com> wrote:
> I can never find this in the IDL documentation. Maybe I'll write
> it down somewhere. How does one search for IDL running on
> a Mac in, say, a CASE statement? I presume a Mac is in
> the UNIX OS family, but if I wanted to tell a Mac from
> a LINUX or Sun box I would do... what?
>
> Could someone provide me with the contents of
> !Version for a Mac and maybe a Sun machine?

It is not what you asked for, but in case anyone comes here looking
for the contents of !version in Linux (64-bit):

```
  ARCH            STRING    'x86_64'
  OS              STRING    'linux'
  OS_FAMILY       STRING    'unix'
  OS_NAME         STRING    'linux'
  RELEASE         STRING    '8.0'
  BUILD_DATE      STRING    'Jun 18 2010'
  MEMORY_BITS     INT           64
  FILE_OFFSET_BITS INT          64
```

Subject: Re: Machine Specific Code

Posted by wlandsman on Tue, 26 Oct 2010 02:31:01 GMT
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On Oct 25, 8:30 pm, Ben Tupper <ben.bigh...@gmail.com> wrote:

> IDL> help, !version,/str
> ** Structure !VERSION, 8 tags, length=104, data length=100:
> ARCH STRING 'x86_64'
> OS STRING 'darwin'
> OS_FAMILY STRING 'unix'
> OS_NAME STRING 'Mac OS X'

Interestingly, there are still 12 procedures in the V8.0 ITTVIS library distribution (e.g. write_gif.pro) that test for !VERSION.OS EQ 'MacOS'. These go back to the pre- Mac OS X days (pre- 2001) when the Mac OS was not Unix-based, and there were a much larger number of difference between Mac IDL and IDL on other operating systems. I suspect that these procedures still work with current Macs, because after not recognizing !VERSION.OS EQ 'darwin' they will default to Unix.

--Wayne