
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
