
Subject: Re: unsigned long long and min/max operator
Posted by [David Fanning](#) on Wed, 12 Mar 2008 20:34:28 GMT
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=?ISO-8859-2?Q?F=D6LDY_Lajos?= writes:

```
> IDL Version 7.0 (linux x86_64 m64):
>
> IDL> print, 1ull < 18446744073709551615ull ; minimum
> 18446744073709551615
> IDL>
> IDL> print, 1ull > 18446744073709551615ull ; maximum
> 1
>
> Ouch!
```

At least there is an easy work-around: just stand on
your head! :-)

Cheers,

David

--

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

Subject: Re: unsigned long long and min/max operator
Posted by [Vince Hradil](#) on Wed, 12 Mar 2008 21:13:24 GMT
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On Mar 12, 3:25 pm, FÖLDY Lajos <fo...@rmki.kfki.hu> wrote:

```
> Hi guys,
>
> IDL Version 7.0 (linux x86_64 m64):
>
> IDL> print, 1ull < 18446744073709551615ull ; minimum
> 18446744073709551615
> IDL>
> IDL> print, 1ull > 18446744073709551615ull ; maximum
> 1
>
> Ouch!
>
> regards,
> lajos
```

FWIW - Same results in IDL 6.3 (Solaris)

Subject: Re: unsigned long long and min/max operator
Posted by [R.G. Stockwell](#) on Thu, 13 Mar 2008 00:21:38 GMT
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news:Pine.LNX.4.64.0803122110040.851@bifur.rmki.kfki.hu...

```
> Hi guys,
>
> IDL Version 7.0 (linux x86_64 m64):
>
> IDL> print, 1ull < 18446744073709551615ull ; minimum
> 18446744073709551615
> IDL>
> IDL> print, 1ull > 18446744073709551615ull ; maximum
> 1
>
> Ouch!
>
> regards,
> lajos
```

I must have OCD or something, but here is where it fails.

```
IDL> print, 1ull > 9223372036854775807ull
9223372036854775807
IDL> print, 1ull > 9223372036854775808ull
1
```

9223372036854775808 is 2^{63}

```
IDL> help,!version,/st
** Structure !VERSION, 8 tags, length=76, data length=76:
ARCH      STRING  'x86'
OS        STRING  'Win32'
OS_FAMILY STRING  'Windows'
OS_NAME   STRING  'Microsoft Windows'
RELEASE   STRING  '6.3'
BUILD_DATE STRING  'Mar 23 2006'
MEMORY_BITS INT    32
FILE_OFFSET_BITS
          INT      64
```

Subject: Re: unsigned long long and min/max operator
Posted by [Jean H.](#) on Thu, 13 Mar 2008 15:49:52 GMT
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> I must have OCD or something, but here is where it fails.

>

> IDL> print, 1ull > 9223372036854775807ull

> 9223372036854775807

> IDL> print, 1ull > 9223372036854775808ull

> 1

>

>

> 9223372036854775808 is 2^63

> OS STRING 'Win32'

... that is also the maximum long 64 value + 1 (= -9223372036854775808)

... as if IDL would not make a difference between LL and ULL...

Jean

Subject: Re: unsigned long long and min/max operator
Posted by [R.G. Stockwell](#) on Thu, 13 Mar 2008 19:22:18 GMT
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"Jean H" <jghasban@DELTHIS.ucalgary.ANDTHIS.ca> wrote in message
news:frbiev\$mql\$1@news.ucalgary.ca...

>> I must have OCD or something, but here is where it fails.

>>

>> IDL> print, 1ull > 9223372036854775807ull

>> 9223372036854775807

>> IDL> print, 1ull > 9223372036854775808ull

>> 1

>>

>>

>> 9223372036854775808 is 2^63

>> OS STRING 'Win32'

>

> ... that is also the maximum long 64 value + 1 (= -9223372036854775808)

> ... as if IDL would not make a difference between LL and ULL...

They probably figured no one would notice.

I mean, come on, who needs a number that large?

:)

Subject: Re: unsigned long long and min/max operator
Posted by [David Fanning](#) on Thu, 13 Mar 2008 20:03:42 GMT
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R.G. Stockwell writes:

- > They probably figured no one would notice.
- > I mean, come on, who needs a number that large?

I was trying to write a number like that for the
hard drive spec sheet I was writing for the next
computer I want to buy. :-)

Cheers,

David

--

David Fanning, Ph.D.
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