
Subject: Re: Large array indices
Posted by [Alex Schuster](#) on Fri, 16 Oct 1998 07:00:00 GMT
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U Salford Guest Account wrote:

> Just a quick question...
>
> how do I (*is it possible*) create an array greater than 2^15?

Just do it :) `arr = intarr( 100000 )`

> And then how do I index it with a vaule greater than a int type?

You need to use longs instead of integers. The 10000 two lines above is converted to a long, so this works. You just must be sure that you are using longs, something like `arr=intarr(2^16)` doesn't work:

```
IDL> help, 2^16
<Expression>  INT      =      0
```

But if you make the 2 a long (by adding the L):

```
IDL> help, 2L^16
<Expression>  LONG     =      65536
```

This allows a maximum size of 2^32-1 bytes. If you need more, you have a problem.

Alex

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