

Subject: Re: How to make large array
Posted by [renjie](#) on Wed, 28 Mar 2001 18:09:50 GMT
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```
<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
```

The results below are obtained in WIN98, in WIN2000 I can make single array of 512MB, can someone explain it.

<p>renjie wrote:

<blockquote TYPE=CITE>

<blockquote TYPE=CITE>

```
<pre></pre>
```

</blockquote>

Below are my tests, though the heap memory can be increased till the maximum of RAM+VM (my machine is 512MB+2GB), the maximum size for a single array can not be larger than 256MB, I really need to make array around 1GB, if anyboy can config out

what is wrong with my system. Thanks.

<blockquote TYPE=CITE>

```
IDL> b=bytarr(1024,1024,255)
```

```
IDL> help, /mem
```

```
heap memory used:  267652748, max:  535039712,
```

[illegible]

```
IDL> b=bytarr(1024,1024,256)
```

```
% Unable to allocate memory: to make array.
```

```
% Execution halted at:  $MAIN$            &
```

;

```
IDL> help, /mem
```

```
heap memory used:  267652748, max:  267652776,
```

[illegible]

```
IDL> c=bytarr(1024,1024,255)
```

```
IDL> help, /mem
```

heap memory used: 535039699, max: 535039727,

[illegible]

```
IDL> d=bytarr(1024,1024,255)
```

```
% Unable to allocate memory: to make array.
```

```
% Execution halted at:  $MAIN$           &
```

;

```
IDL> help, /mem
```

heap memory used: 535039699, max: 535039727,

[illegible]

```
IDL> d=bytarr(1024,1024,125)
```

```
IDL> help, /mem
```

```
heap memory used:  666111805, max:  666111833,
```

[illegible]

</blockquote>

Alex Schuster wrote:

