
Subject: How to allocate memory for an array of more than 2G

Posted by [minchen](#) on Tue, 13 Jul 2010 23:23:26 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi,

I have a trouble to read a .h5 file which is about 3G.

I am using {x86_64 linux unix linux 7.1.1 Aug 21 2009 64 64} IDL. So

you see, my system is 64 bit and IDL is also 64 bit. The problem I

cannot allocate a memory for an array more than 2G. I do not know why?

Can someone help me?

Thanks a lot!

```
IDL> help,/memory
```

```
heap memory used: 818394, max: 1074560678, gets: 1069,
```

```
frees: 258
```

```
IDL> a=bytarr(1024,1024,1024)
```

```
IDL> help,/memory
```

```
heap memory used: 1074560268, max: 1074560367, gets: 1081,
```

```
frees: 269
```

```
IDL> a=bytarr(1024,1024,1024)
```

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

```
Cannot allocate memory
```
