
Subject: Re: Memory allocation problem

Posted by [Foldy Lajos](#) on Fri, 28 Nov 2008 16:12:47 GMT

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On Fri, 28 Nov 2008, Paolo wrote:

```
> There seems to be a problem with that on my machine.
> memtest reports that it can allocate *any* memory size
> I want (at least up to 2 TB).
> Since that is larger than my hard drive, not even
> reckless virtual memory usage could go that far...
>
> IDL> help,!version,/st
> ** 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  '7.0.4'
> BUILD_DATE  STRING  'Sep 3 2008'
> MEMORY_BITS INT     64
> FILE_OFFSET_BITS
>           INT      64
```

A shot in the dark: memtest does not use the memory, only allocates it.
Probably Mac OS X is 'lazy' and it allocates memory pages when they are
first used. Try to remove the /nozero keyword in

```
; Allocate memory (if possible)
memPtrs[i] = ptr_new(bytarr(currentBlockSize, /nozero), /no_copy)
```

regards,
lajos
