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, Iajos