

## Re: 64-bit memory consumption

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*Source:*

<http://coding.derkeiler.com/Archive/Delphi/borland.public.delphi.non-technical/2006-05/msg02388.html>

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- *From:* "Tim Anderson" <[timjand@xxxxxxxxxxxxxxxxxxxxx](mailto:timjand@xxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Wed, 17 May 2006 15:23:17 +0100
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"Jesper Hogstrom (Borland)" <[jhogstrom\\_@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:jhogstrom_@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message [news:446b1fe2@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:446b1fe2@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Tim Anderson wrote:

Stolen "by" or "from" intel?

"by", as I said.

Bit of a long story, but it is to do with the way PCs use the upper range of memory address space for BIOS functions, thus making them unavailable to the OS. The problem is inherent to the PC but can be overcome by remapping addresses to beyond the first 4GB. The Intel board I use does not do this, and in addition its approach to the whole problem appears to be particularly crude – if you install 4GB RAM, only 3GB is actually used.

Tim

Tech blog:

<http://www.itwriting.com/blog>

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