

Re: Why 64bit Delphi compiler from Borland may be meaningless!

Source: <http://coding.derkeiler.com/Archive/Delphi/borland.public.delphi.non-technical/2005-01/9395.html>

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Wayne Niddery [TeamB] wrote:

- > *Now it depends on the time involved of course, if the speed improvement*
- > *reduces a process from 3 *hours* to just 2 rather than 3 *minutes* to just*
- > *2, 64 bit becomes more attractive. But most interactive business processes*
- > *are measured in seconds and minutes, not hours, and processes that involve*
- > *hours are typically done in off-business hours and would continue to be even*
- > *with faster processors.*

For SSL/TLS servers with application-to-application security and contemporary key sizes, a shift from 32-bit to 64-bit might, in typical cases, mean that the bottleneck would shift from the hardware to the network connection at 100mbit/s instead of 10mbit/s. Depending on the server load requirements, this would leave room for security improvements such as increased key sizes, more frequent DH system parameter changes, more frequent full handshakes, etc.

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