

of decrypting AES that is three to five times faster than any previous method.

Fine. Good. But let's put that into context.

Until this new development, any attempts to decrypt information encrypted with AES-256 would have taken many times the length of the universe to carry out. This is due simply to the number of possible encryption keys that need to be guessed.

Three or four times faster than the age of the universe is still billions of years and as a result, circumventing AES-256 encryption is still incredibly impractical, to put it mildly.

Even if the largest botnet ever discovered - the 30-million-computer-strong [BredoLab](#) botnet - was given the task of attacking an AES-256 implementation, the sheer number of possible combinations would make the task virtually impossible.

So, should you be worried about you electronic transactions being insecure? At the moment, no.

The newly-discovered vulnerability is certainly interesting but plenty of further study is needed before we are even close to thinking AES implementations are insecure.

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More information: Research paper [research.microsoft.com/en-us/p...
yptanalysis/aes.aspx](https://research.microsoft.com/en-us/projects/analysis/aes.aspx)

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