

# Secure Memory Encryption (SME)

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**Secure Memory Encryption (SME)** defines a simple and efficient architectural capability for main memory encryption. While memory encryption technologies have been used previously in various specialized products and industries, SME is a general purpose mechanism that is flexible, integrated into the CPU architecture, scalable from embedded to high-end server workloads, and requires no application software modifications.

Source:

[https://developer.amd.com/wordpress/media/2013/12/AMD\\_Memory\\_Encryption\\_Whitepaper\\_v7-Public.pdf](https://developer.amd.com/wordpress/media/2013/12/AMD_Memory_Encryption_Whitepaper_v7-Public.pdf)

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