

Describe a scenario that requires to apply computer security but not cryptography.

To fulfill the basic functions of an antivirus, cryptography is not necessary, the antivirus only suspicious activities or products that be marked in its database as malware and that can be risky for the computer, an example is where you are about to install an application that has other malicious intentions in addition to the use that you recognize and your antivirus warns you, protecting you in advance from this possible threat.

Mention the name of a cryptographic algorithm that works using secret-key cryptography.

Symmetric algorithms only use a secret key and asymmetric algorithms use a public and a secret, a symmetric algorithm is AES (Advanced Encryption Standard).

Sources of information

First point: "¿Qué es la seguridad informática y por qué es necesaria?", *IBERO Posgrados | Blog*, 2020. [Online]. Available: <https://blog.posgrados.iberro.mx/seguridad-informatica/>. [Accessed: 02- Feb- 2022].

Second point: A. López, "Todo sobre criptografía: Algoritmos de clave simétrica y asimétrica", *RedesZone*, 2021. [Online]. Available: <https://www.redeszone.net/tutoriales/seguridad/criptografia-algoritmos-clave-simetrica-asimetrica/>. [Accessed: 02- Feb- 2022].