

Security Control

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Discussion

A Security Control constitutes a measure applied to manage a security risk.

A Security Control addresses one or more security objectives, including [Confidentiality](#), [Integrity](#), availability, [Authentication](#), authorization, accountability, and non-repudiation.

Security Controls include administrative, managerial, operational, physical, procedural, and technical measures. A policy, assigned responsibility, approval procedure, facility restriction, encryption mechanism, [Access Control](#), monitoring process, or audit record serves as a Security Control when it manages an identified security risk.

A Security Control remains distinct from a security objective. A security objective identifies a desired security outcome. A Security Control provides a measure used to achieve or preserve that outcome.

Definition

measure applied to manage a security risk

Source

Adapted from ISO/IEC 27000, *Information security, cybersecurity and privacy protection — Vocabulary*.

Note

A Security Control has an identified purpose, scope, responsible authority, implementation method, operating conditions, and assessment criteria.

An organization selects and applies a Security Control according to the applicable risks, requirements, policies, legal obligations, regulatory obligations, and operating environment.

A Security Control includes preventive, deterrent, detective, corrective, recovery, or compensating measures.

Control assessment determines whether a Security Control exists, operates as intended, and produces the required security outcome.

The presence of a Security Control does not independently establish that the associated risk has been

eliminated.

Example

A Test Environment applies encryption, Access Control, credential rotation, audit logging, and protected secret storage as Security Controls for [Sensitive Configuration Values](#).

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