

Confidentiality, Integrity and Availability (CIA Triad)

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Confidentiality, integrity and availability (CIA triad) is a model designed to guide policies for information security within an organization. The model is also sometimes referred to as the **AIC triad** (Availability, Integrity and Confidentiality) to avoid confusion with the Central Intelligence Agency. Although elements of the **CIA Triad** are three of the most foundational and crucial cybersecurity needs, experts believe the **CIA triad** needs an upgrade to stay effective.

In this context:

- **Confidentiality** is a set of rules that limits access to information
- **Integrity** is the assurance that the information is trustworthy and accurate
- **Availability** is a guarantee of reliable access to the information by authorized people

Note: This triad has evolved into what is commonly termed the **Parkerian hexad**, which includes Confidentiality, Possession (or control), Integrity, Authenticity, Availability and Utility.

Source: <https://whatis.techtarget.com/definition/Confidentiality-integrity-and-availability-CIA>

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