

CIA Triad

This represents 3 core principles which designs and evaluate security policies, systems and practices.

Confidentiality:

Protecting sensitive information from unauthorized access.

Integrity:

Ensuring data accuracy, completeness and consistency.

Availability:

Ensuring data and systems are accessible when needed.

IAAA (Authentication, Authorization, Accounting and Auditing) :

1. Authentication: Verifying user identity.
2. Authorization: Controlling access to resources based on user identity.
3. Accounting: Tracking on user activity and resource usage.
4. Auditing: Monitoring and analyzing security logs and events.