→ CIA triad → represents three core principles of information security.

→ Confidentiality : Ensuring that the information is accessible only those athorized to view it.

→ Integrity : Ensure that informations are accurate.

→ Availability : Ensure information available when Authorized users need.

Threat: A potential danger that could exploit a vulnerability to harm a system.

Short → Potential risk or danger.

Attack: Actual attempt to exploit that risk

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CamScanner

→ Passive attack ⟶ attacker listens or monitoring
Active attack:⟶ the communication
↓ ↳ intercept (stops info
were and steer corupt

Attackers actively interface with the system
goal distrupt, alter, destroy information

Passive: Intercepting and monitoring without data
interference.

Active attack: Altering or distrupting system directly.