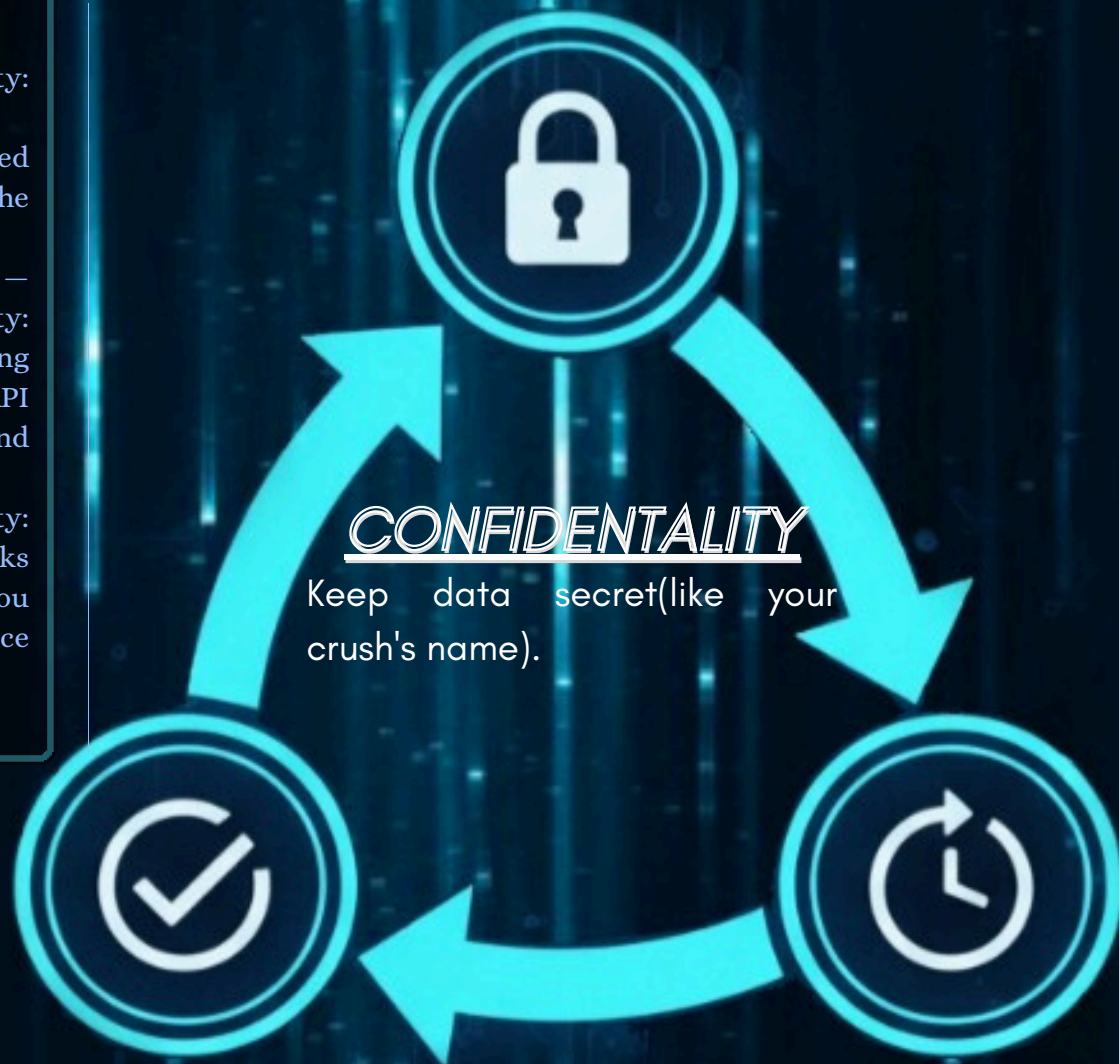# CIA TRIAD EXPLAINED

TOOLS

- VeraCrypt — Confidentiality: Disk-/container-encryption tool to keep your files locked and unreadable without the right key.
- HashiCorp Vault — Confidentiality & Integrity: Secrets manager for storing and controlling access to API keys, passwords, and certificates.
- Nagios Core — Availability: Monitoring system that checks services/hosts and alerts you when uptime or performance drops.

CONFIDENTALITY
Keep data secret(like your crush's name).

INTEGRITY
Ensure data isn't changed(no one edits your marks to zero).

AVAILABILITY
Data should it's accessible when needed(WIFI shouldn't go down during Netflix).

CIA=CONFIDENTIALITY+INTEGRITY+AVAILABILITY

The Foundation Of Every Security System