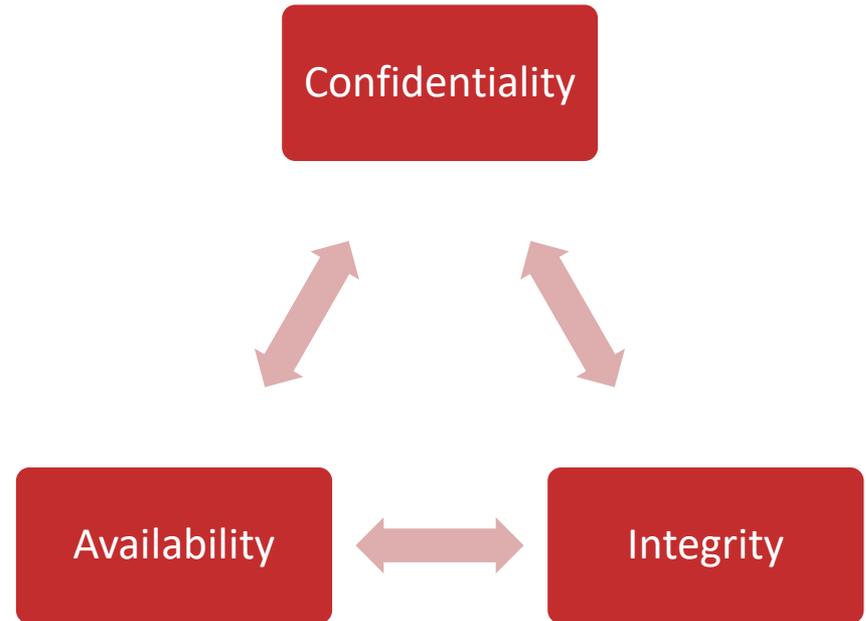


The CIA Triad



- **C**onfidentiality
- **I**ntegrity
- **A**vailability

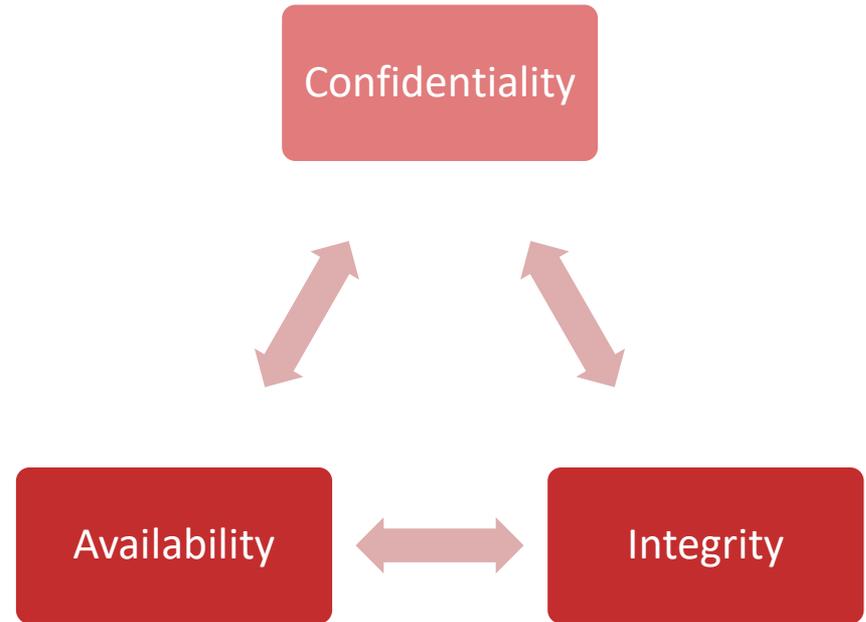
All 3 Equally Important & Intertwined



The CIA Triad



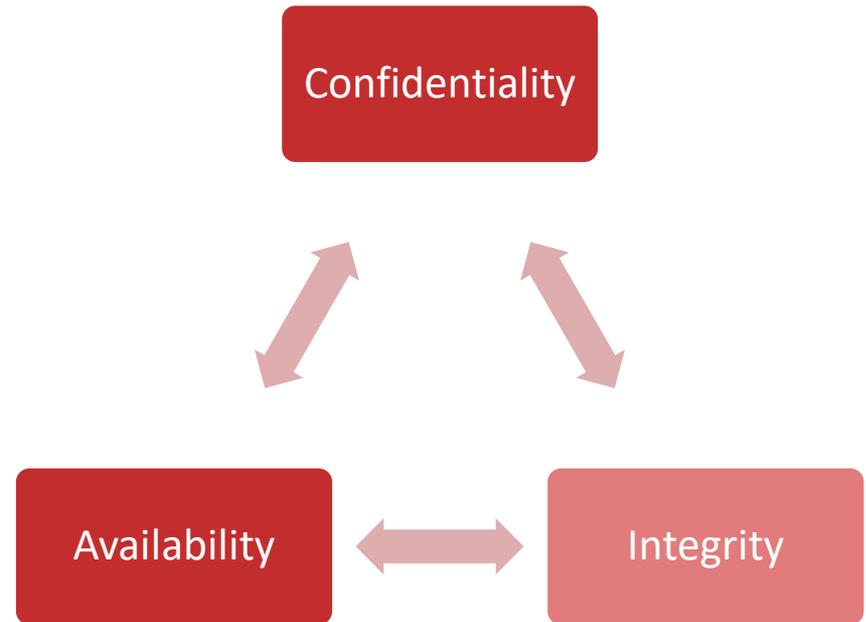
- **C**onfidentiality
 - Prevent unauthorized disclosure of information from prying eyes.
 - Only authorized people are able to access data.
 - Accomplished with authentication, authorization, access controls, and encryption.



The CIA Triad



- **I**ntegrity
 - Used to prevent unauthorized modification, tampering or corrupting of data.
 - Ensure consistency, accuracy and validity of data.
 - Accomplished with digital signatures, hashing, accounting and auditing.



The CIA Triad



- **A**vailability

- Ensure information is available when needed.
- Accomplished with redundancy, backups, disaster recovery and contingency planning.

