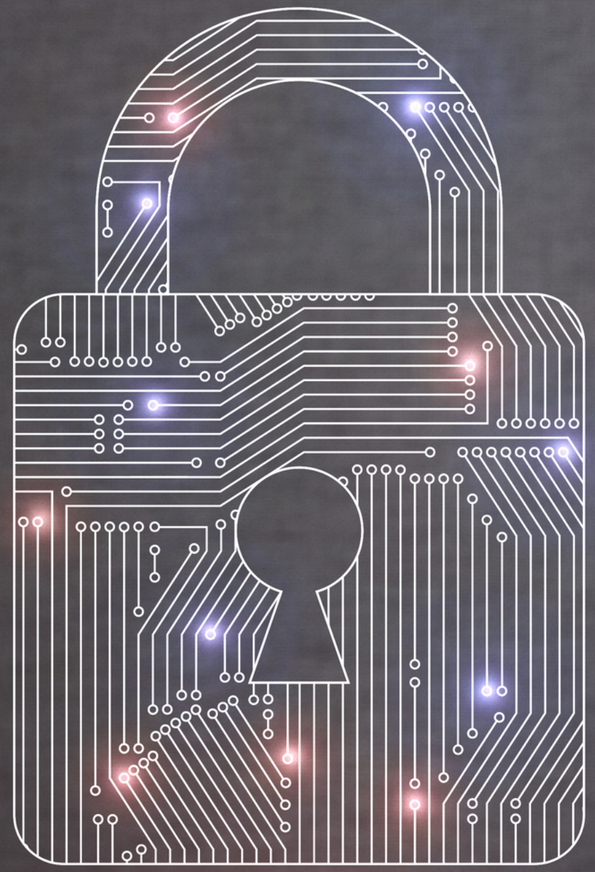
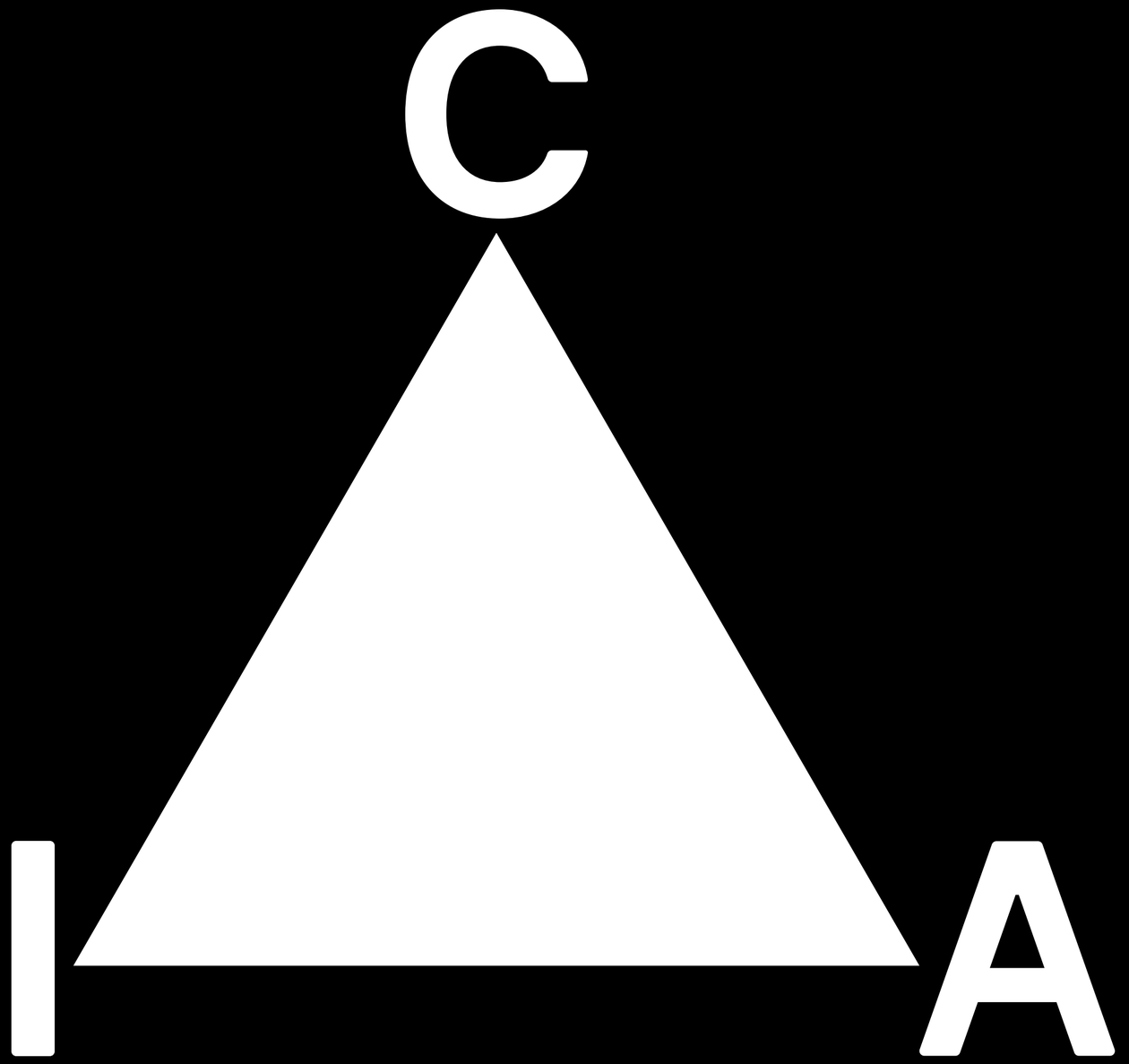
CIA/DAD



Confidentiality

Integrity

Availability



Confidentiality

Data is accessed by only those with the right permit

Encryption, Passwords, Biometrics, 2FA, MFA

Integrity

Data has not been tampered or altered in any way

Hashing, checksums

Availability

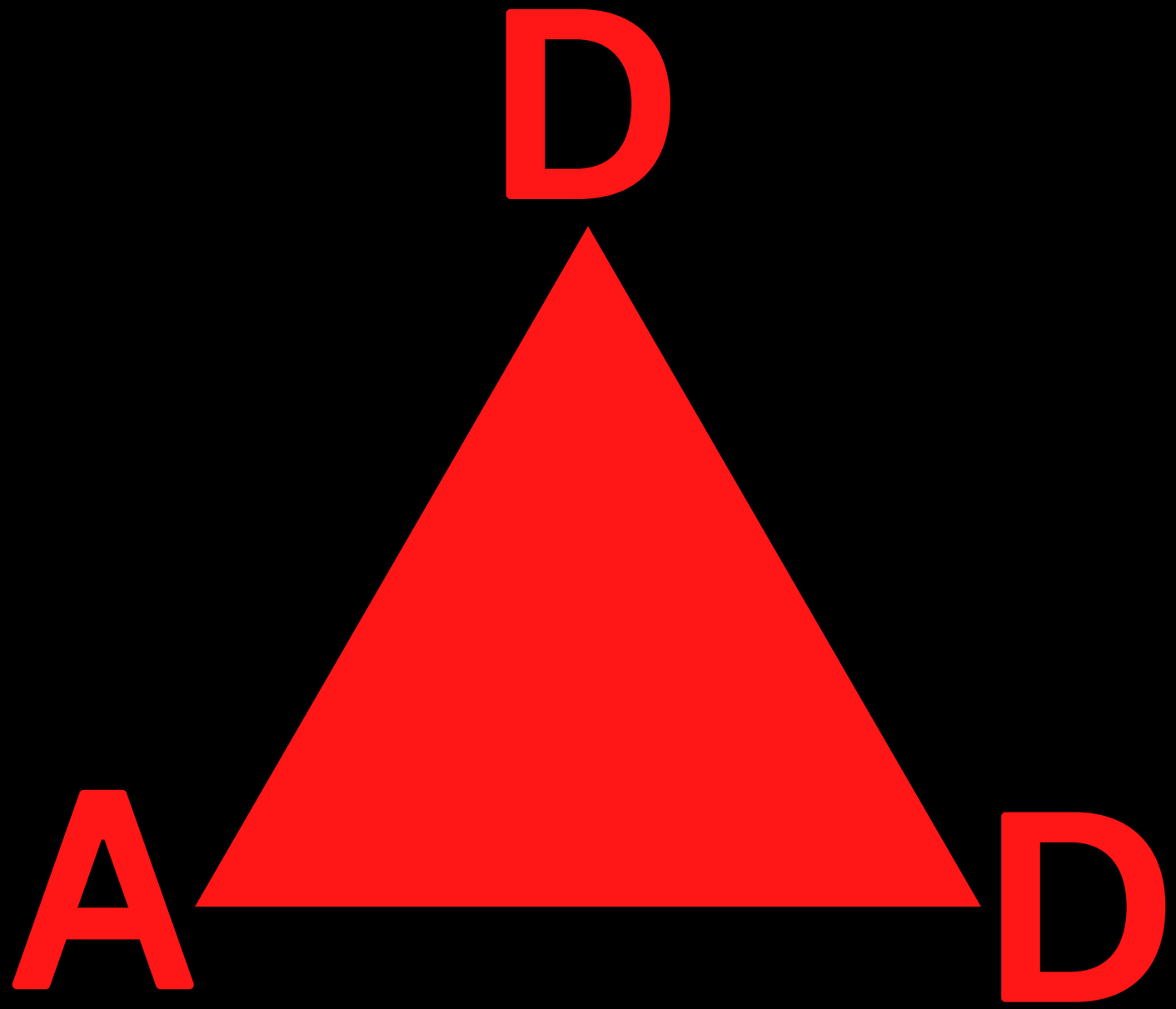
Data and resources are available to be accessed or shared

Network access, Server and data availability

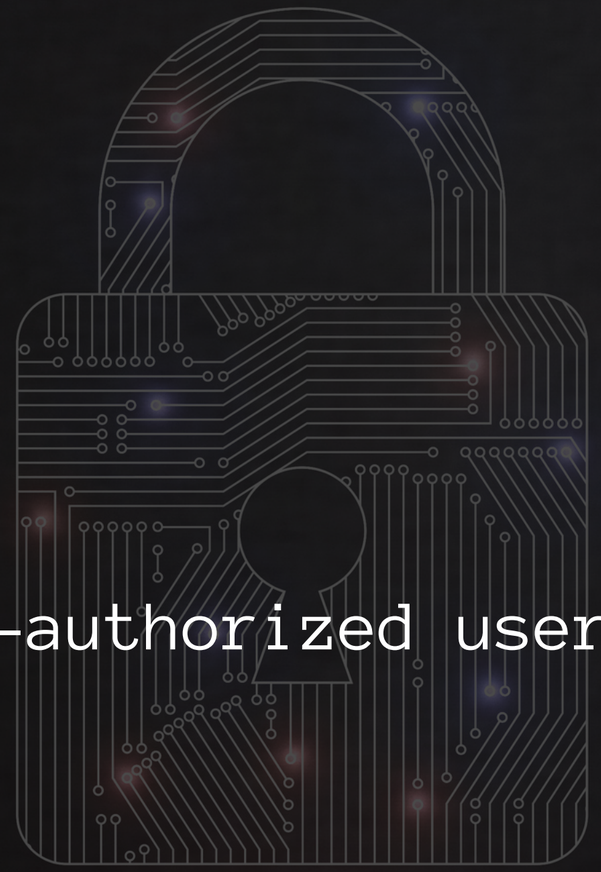
Disclosure

Alteration

Deniability



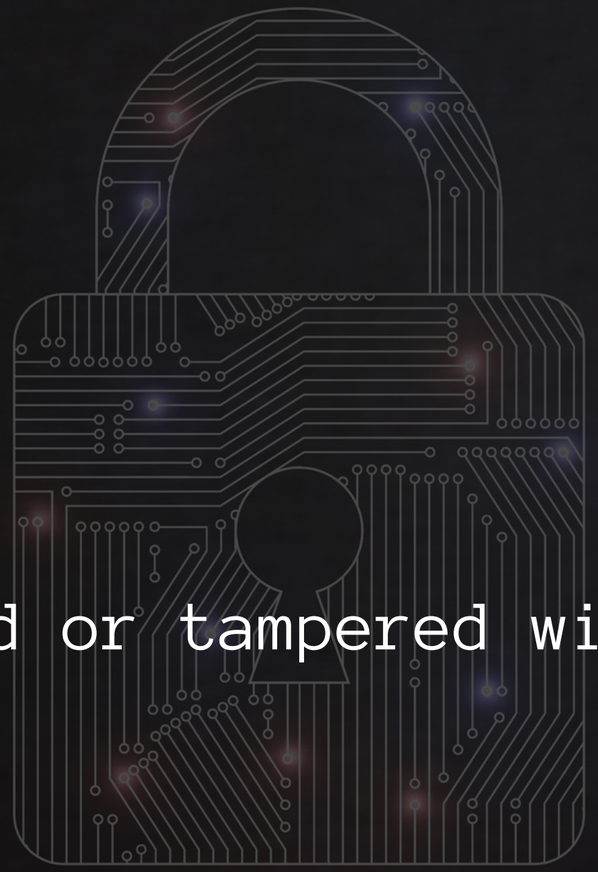
Disclosure



Data is accessed by non-authorized users

Trojans, brute force attacks,theft

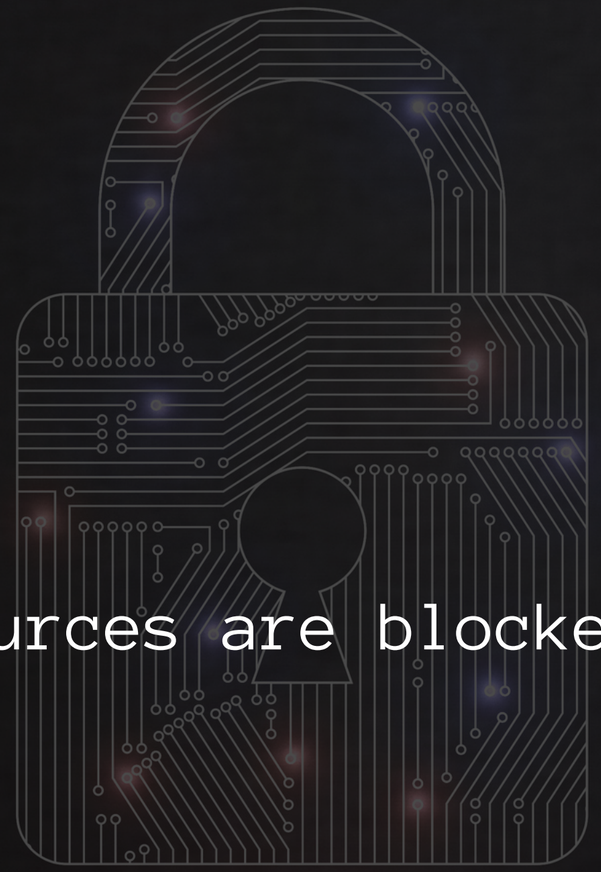
Alteration



Data has been compromised or tampered with

Malware, viruses, SQL injection

Deniability



Access to data and resources are blocked

Denial of Service attacks, Ransomware