



Integrity Policies
Availability Policies

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Intro to System Security

Goals

Prevention

Detection

Recovery

C-I-A

Confidentiality

Integrity

Availability

Threats

Snooping

Modification

Spoofing

Repudiation of Origin

Denial of Receipt

Delay

Security Policies

Requirements

- Common understanding (implicit / explicit)
- Trust (in people and computers)
- Assumption (that policies are enforced)

Policy types

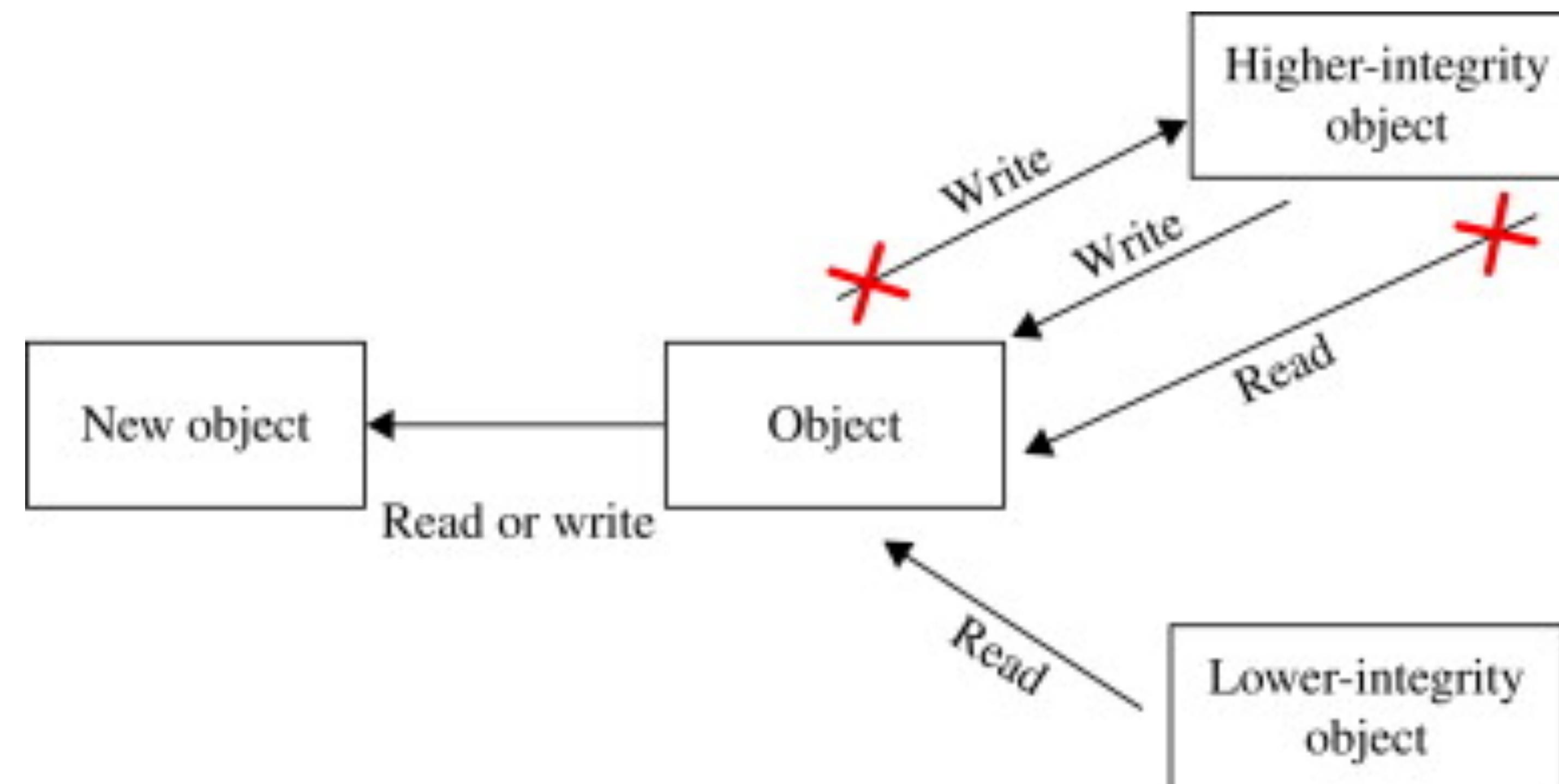
- Confidentiality
- Integrity Policy
- Availability Policy

A photograph of a vintage computer system. It includes a CRT monitor with a dark screen, a keyboard, and a large circuit board labeled 'COLOR VIDEO 2400' and 'CAVITY'. The setup is illuminated with a mix of blue and red lights.

Integrity Policies

- Clark-Wilson
- Biba

Biba model



Availability

- Breach of an availability policy occurs when a resource can't be accessed in a timely fashion.
- Examples
 - Deadlocks
 - Denial of Service
- Resolve vs. Mitigate



Example syn-flood

