



# Week 3

## Limitations in BLP

# Limitations in BLP Model

- Overly restrictive
  - Security levels are fixed, but sometimes changing security levels is necessary in real systems
  - Absence of multilevel objects
    - Known as classification creep
  - No downgrading
- No application-specific security rules
- No constraints on trusted subjects

# Limitations in BLP Model

- Restricted to confidentiality
- Too little implementation guidelines
  - No policies for changing access rights and creating or deleting subjects or objects
- Direct flow is prevented
  - But covert channels are still possible
    - Does not work against a hidden or parasitic channel



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