Week 3 BLP Rules

BLP Rules

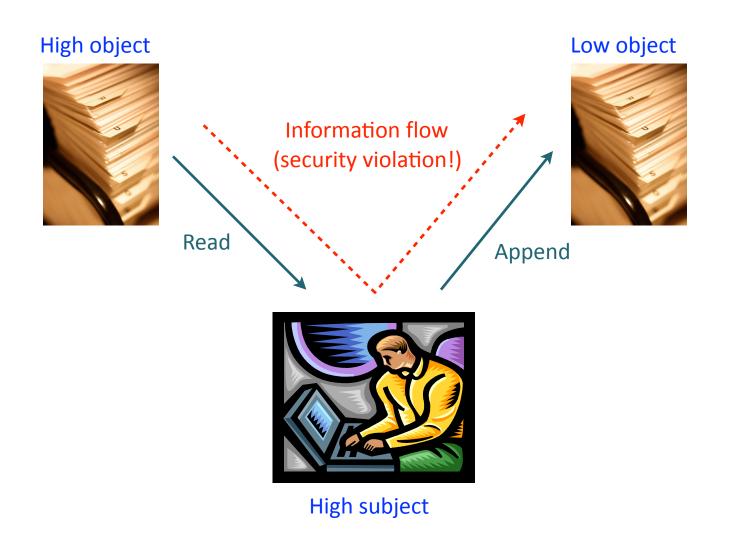
- DS-property
 - Access must be permitted by a discretionary access control matrix, M
 - $-(s, o, a) \in M$
 - s: subject; o: object; a: attribute (permission)
 - If the access is defined in the access matrix, consider other rules (SSand *-properties) for the final decision
 - Otherwise, the access is not allowed

BLP Rules

- SS-property (no read up)
 - Subject s can read object o only if $\lambda(s)$ ≥ $\lambda(o)$
 - λ(s): security level of s
 - λ(o): security level of o
 - Information flows from object to subject.
- *-property (no append down)
 - Subject s can append object o only if $\lambda(s)$ ≤ $\lambda(o)$
 - Information flows from subject to object



Need for the *-property





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