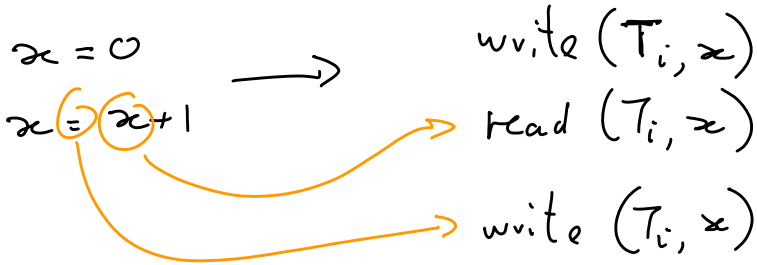


Lecture 14

Note Title

10/11/2004

Transactions ACID



Conflicting operations: must involve write

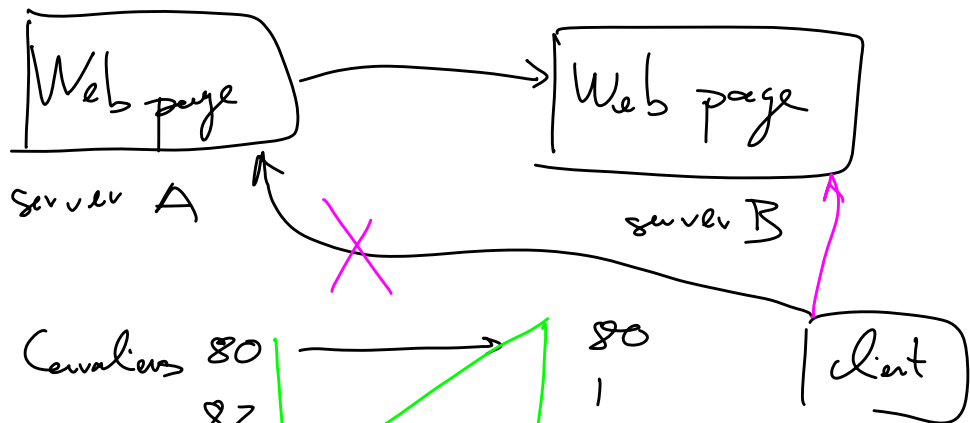
- write-write conflict
- read-write conflict

①
lock A
✓
lock B

②
lock B
✓
lock A

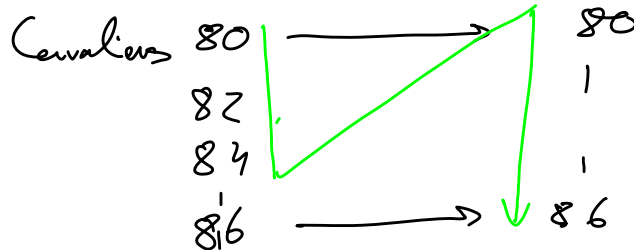
2PL \Rightarrow serializability.

Replication



Eg mirrors,

Consistency



Reasons for replication

- Scalability
- Performance
 - client-perceived
 - network-perceived
 - server-perceived
- Availability