

timestamp conflict

database transaction

conflict detection: **read/write sets via timestamps**
elided lock: serial execution

request a new timestamp, record safe timestamp

HTM conflict

HTM transaction

conflict detection: **read/write sets in hardware**
elided lock: latch

single tuple access

verify/update tuple timestamps

...

HTM conflict

HTM transaction

conflict detection: **read/write sets in hardware**
elided lock: latch

single tuple access

verify/update tuple timestamps

...

release timestamp, update safe timestamp