QoD 2 updates replicated

key: user8911, columnId: c2, ...
key: user9231, columnId: c2, val:1

QoD-1 ... QoD N

key: user1221, columnId: c0, ...
key: user1221, columnId: c0, ...
key: user1221, columnId: c0, ...

Updates Replicated
in HBase

User N

Inter-Cluster
Replication

Site A

Site B

User A

User D

key: user1221, columnId: c0 $\sigma=1$
key: user1221, columnId: c0 $\sigma=2$
key: user1221, columnId: c0 $\sigma=3$
key: user1221, columnId: c1 $\sigma=0$

key: user8911, columnId: c2 $\theta=1$
key: user1221, columnId: c0 $\theta=0$
key: user9231, columnId: c2, val:0 $\theta=1$
key: user9231, columnId: c2, val:1 $\theta=1$

QoD-1. $\sigma=3$ for column family c0.
We increase value of σ up to 3 and replicate
all items from c0 at that point.

QoD-2. $\theta=1$ for column family c2.
In this case θ is a time constant, so each
second it replicates all items from c2 .