

Optimistic Locking and Pessimistic Locking in YugabyteDB

Deadlock Detection

Edge Chasing Algorithm

Chandy and Misra, 1982 - *A Distributed Algorithm for Detecting Resource Deadlocks in Distributed Systems*

<https://www.cs.utexas.edu/users/misra/scannedPdf.dir/ResourceDeadlock.pdf>

Tablet 1

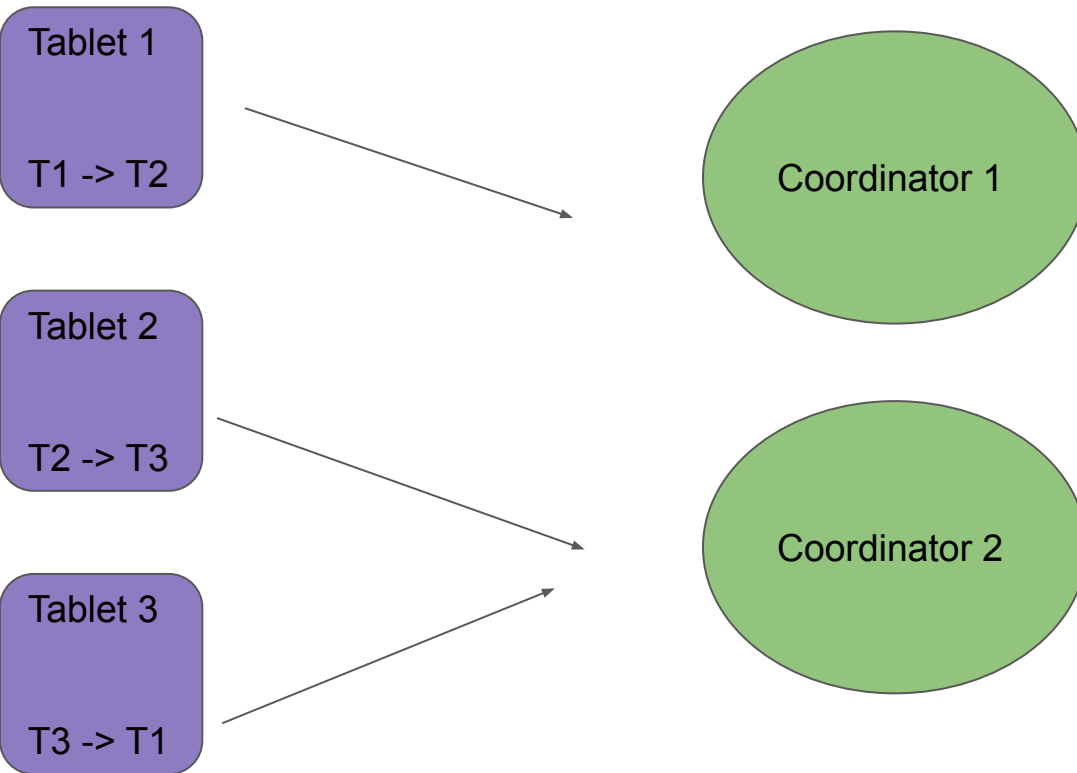
T1 -> T2

Tablet 2

T2 -> T3

Tablet 3

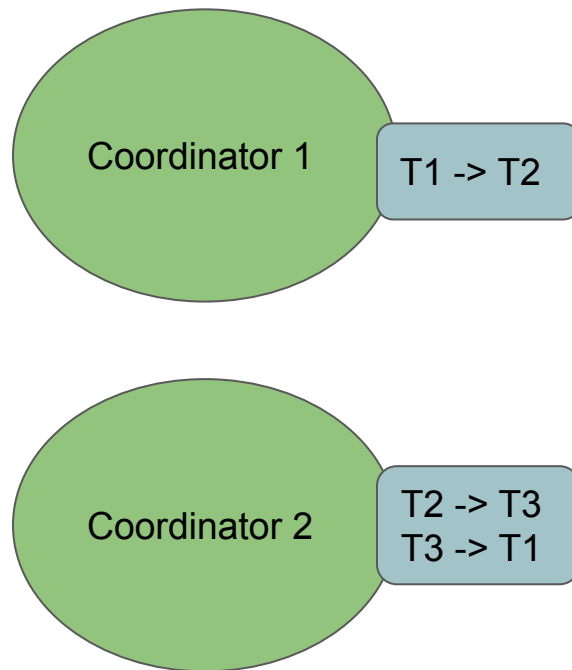
T3 -> T1



Tablet 1
T1 -> T2

Tablet 2
T2 -> T3

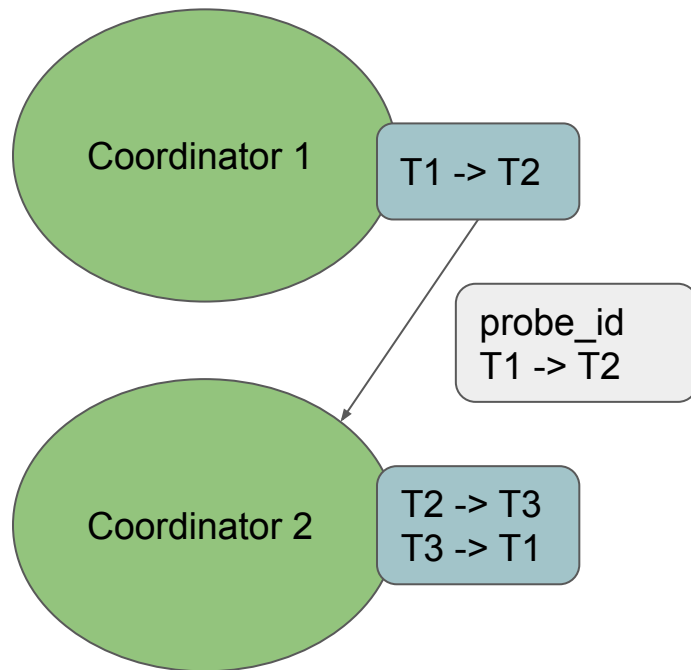
Tablet 3
T3 -> T1



Tablet 1
T1 -> T2

Tablet 2
T2 -> T3

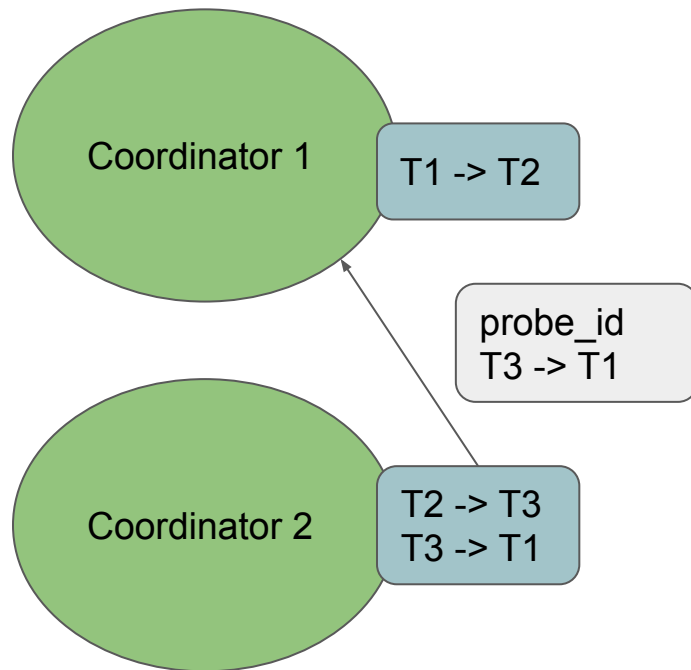
Tablet 3
T3 -> T1



Tablet 1
T1 -> T2

Tablet 2
T2 -> T3

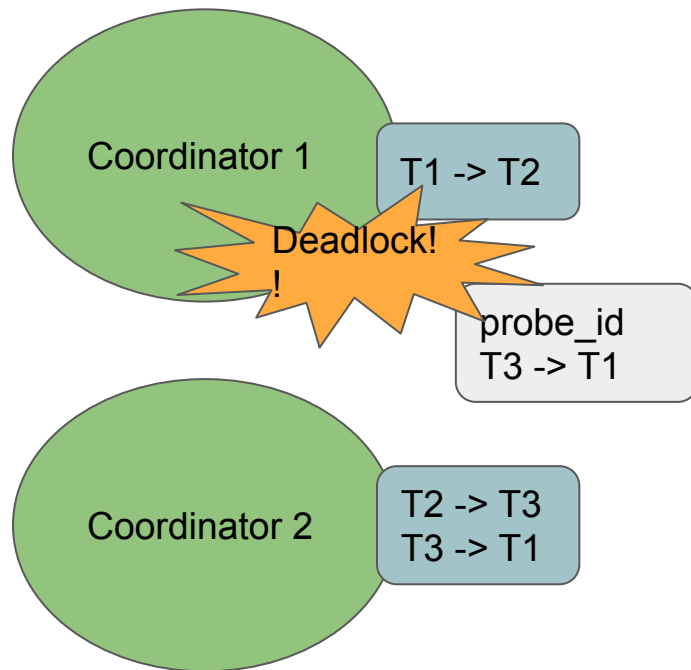
Tablet 3
T3 -> T1



Tablet 1
T1 -> T2

Tablet 2
T2 -> T3

Tablet 3
T3 -> T1



Thank You

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