**Merge Solution :**

**What we did solve :**

1. Remove all race condition using DB lock , guaranteeing no L3 index will be deleted or overwritten (we will not lose data)
2. Better code flow and easy to maintain and test.
3. DB table group partitioning and optimization
4. Fail retry mechanism using MSMQ
5. Adding EventLog to be utilize by SolarWind , early detection of the problem

**What we didn’t solve:**

1. L1 index duplication because of long running jobs and SQL reset

Note : we can extend SQL job reset to 12 hours because now we have more

Reliable fail retry mechanism

1. L1 lost history issue, because of SQL exception.
2. Any Network related issues
3. Any DB related issues.