

Problem Statement

There is a scenario where thousands of trades are flowing into one store, assume any way of transmission of trades (could be receiving the trades via Kafka or MQ or...).

We need to create a one trade store, which stores the trade (any kind of database) in the following order:

Trade Id	Version	Counter-Party Id	Book-Id	Maturity Date	Created Date	Expired
T1	1	CP-1	B1	20/05/2020	today date	N
T2	2	CP-2	B1	20/05/2021	today date	N
T2	1	CP-1	B1	20/05/2021	14/03/2015	N
T3	3	CP-3	B2	20/05/2014	today date	Y

Application to be created:

1. Producer
2. Consumer
3. Validation to be applied
4. Junit test Case to be written on Components
5. Architecture document