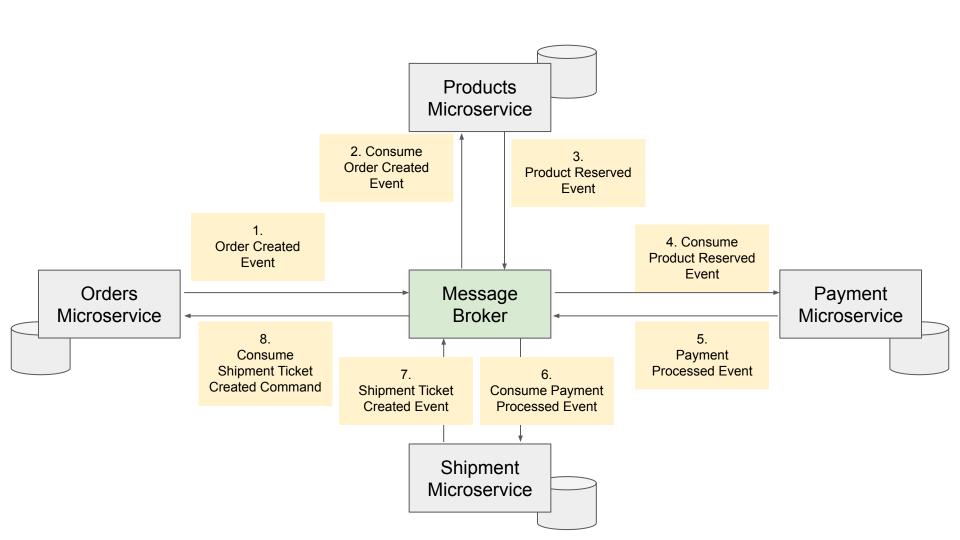
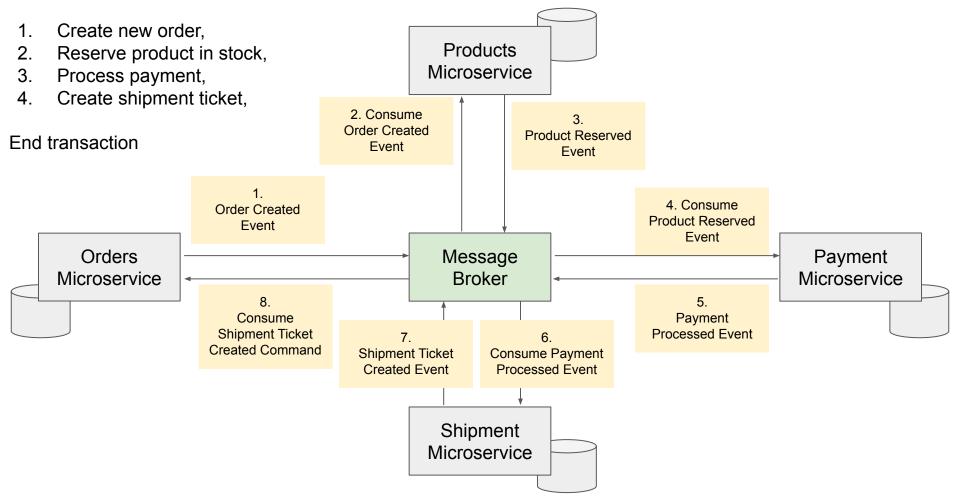
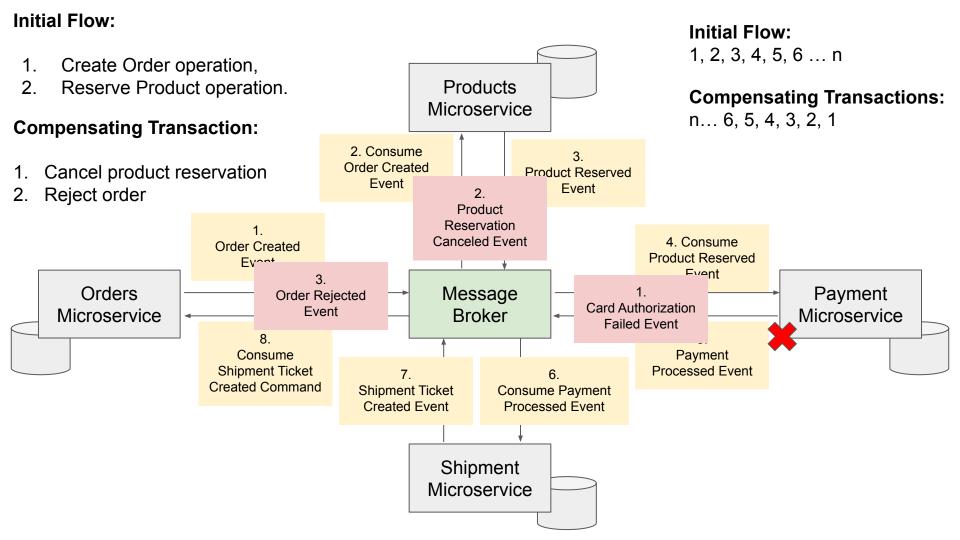
SAGA Design Pattern

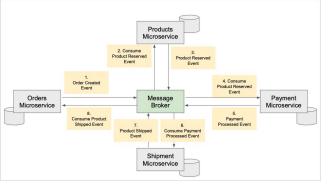
Choreography-Based Saga



Begin Transaction







Choreography-based Saga

Benefits:

- Good for simple workflows that require few microservices and don't need a coordination logic,
- Doesn't require additional service implementation and maintenance to coordinate transactions,
- Doesn't introduce a single point of failure, since the responsibilities are distributed across the saga participants.

Drawbacks:

- Workflow can become confusing when adding new steps and Microservices. The more steps in a transaction, the more difficult it is to track which saga participants listen to which commands.
- There's a risk of cyclic dependency between saga participants because they have to consume each other's commands.
- Integration testing is difficult because all services must be running to simulate a transaction.