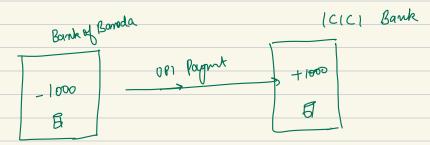
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Upi.



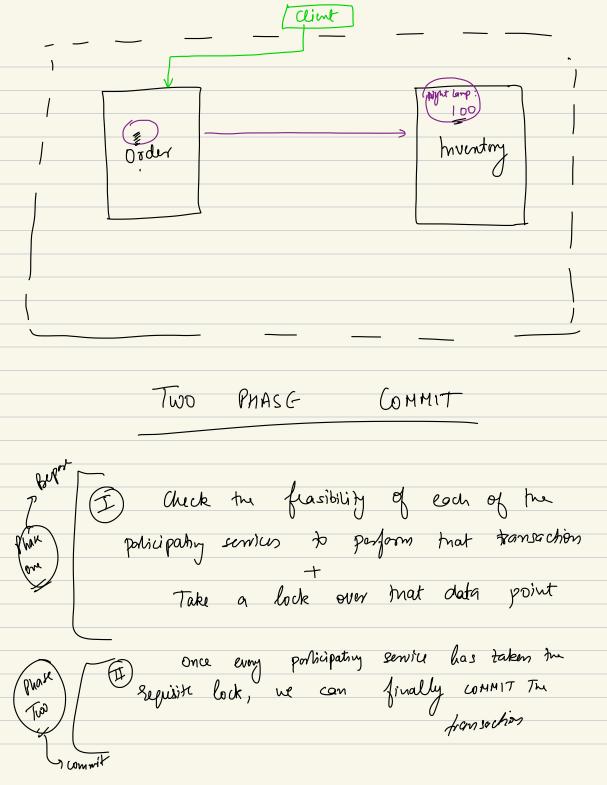
* How can we make our microsenicus

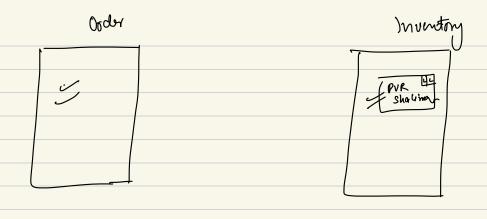
* handle data consisting better??

Distributed Transactions - SAGA Pattern

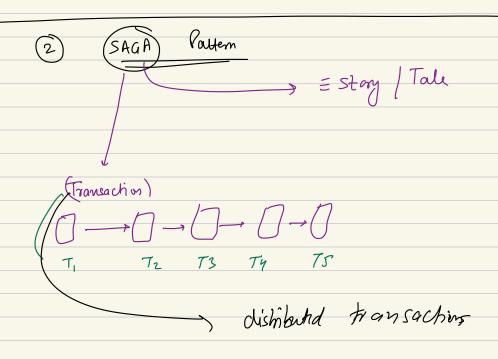
a orchestrated

b charographed





2PC is considered an anti-pattern



example:



Orchestration in can of SAGA

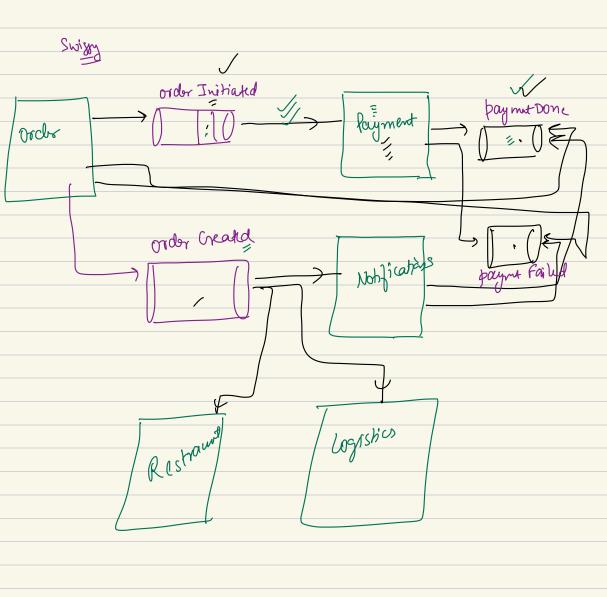
On evilu acts as he ortherhodor sonice

To Take he responsibility to make sure
all dishibuted transaction process are completed.

In the case some distributed transaction failed, the archistrator service will crown that every other distributed transaction should be rolled back.



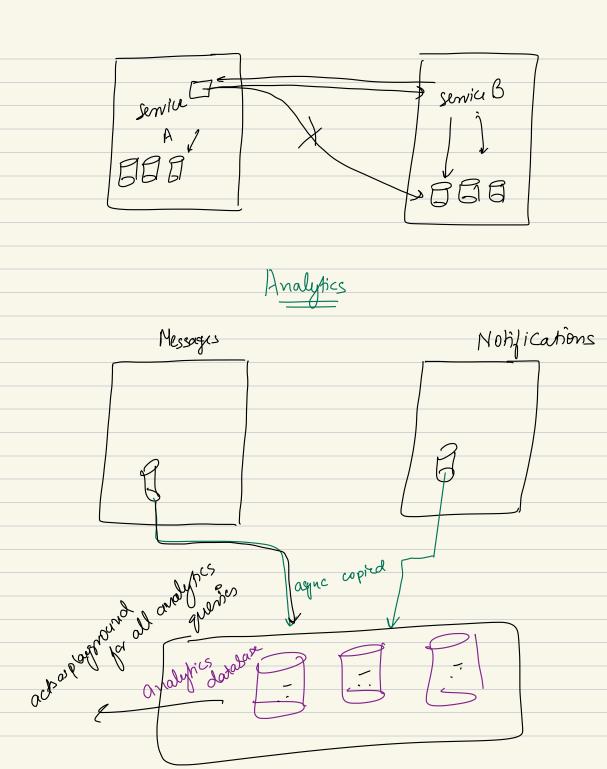
SAGA Pattern - Chonographed Way -> Asynchronous Communication Event Driven Architecture



When you have to perform a Transaction Spread across multiple services in an event driven andritecture; We can happily use Chorography partern of. - distributed transaction Compensation to ansactics/ Compensating event

Orches Fration Chase og saphy reliable, elegant SPOF = orchestrator - Scaleable scaleas & Slower faster disugging is tough easier reconcile good obervality solutions (i) Ecommand Query responsibility

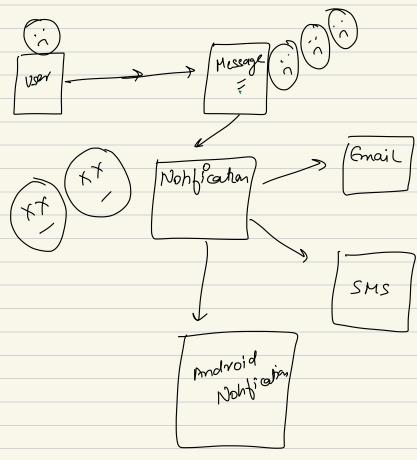
Segregation



Solution BREAKER

Sync calls blue
microsenvices

fostem:



Given in sync communication, Services an NOT decoupled, failux at one can cause issues to Cascade to other services Circuit Breaker

modine

errors = 1 Rejular Error) Failure Machine Failuxos Timout, connections

list,

(mach impe) user busy, user not found, bad regulst

errors/min > Threshold

A open | Circuit Break

1 Jad -> small 1/. of Traffic I good #madrice emas /min ~ Threshold D A closed circuit (3) Blue Green leployment ESB

Banon Deployment

AB Deplo (Collinson)