



Chainlink Hackathon

may 2022

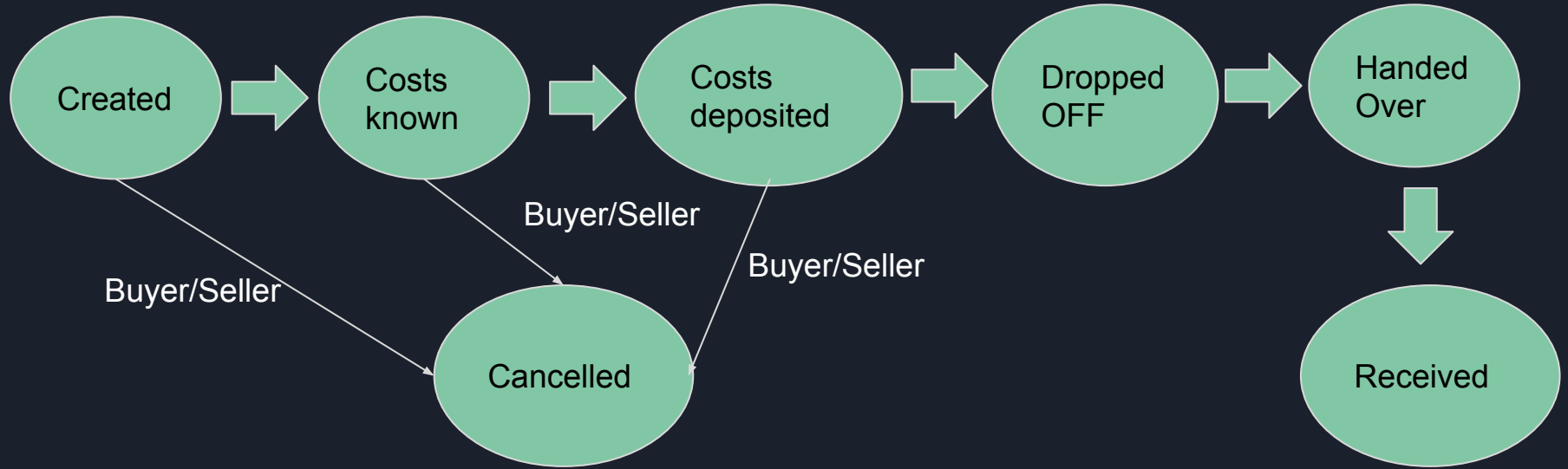
Main problem: several parties do not trust each other in the sale and transportation of a physical product

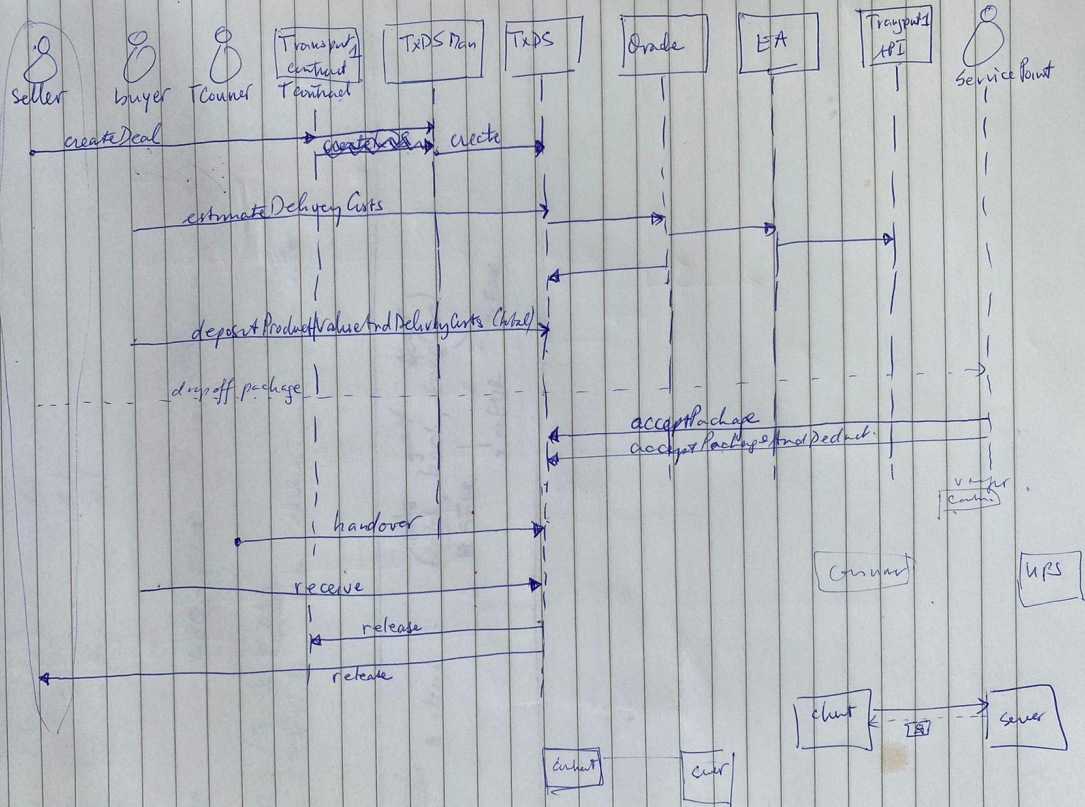


Solution: through an escrow system and through Chainlink's oracle and api system trust can be build so a transaction can be executed for a sale of a physical product and delivery can be done. Payment can be made after delivery



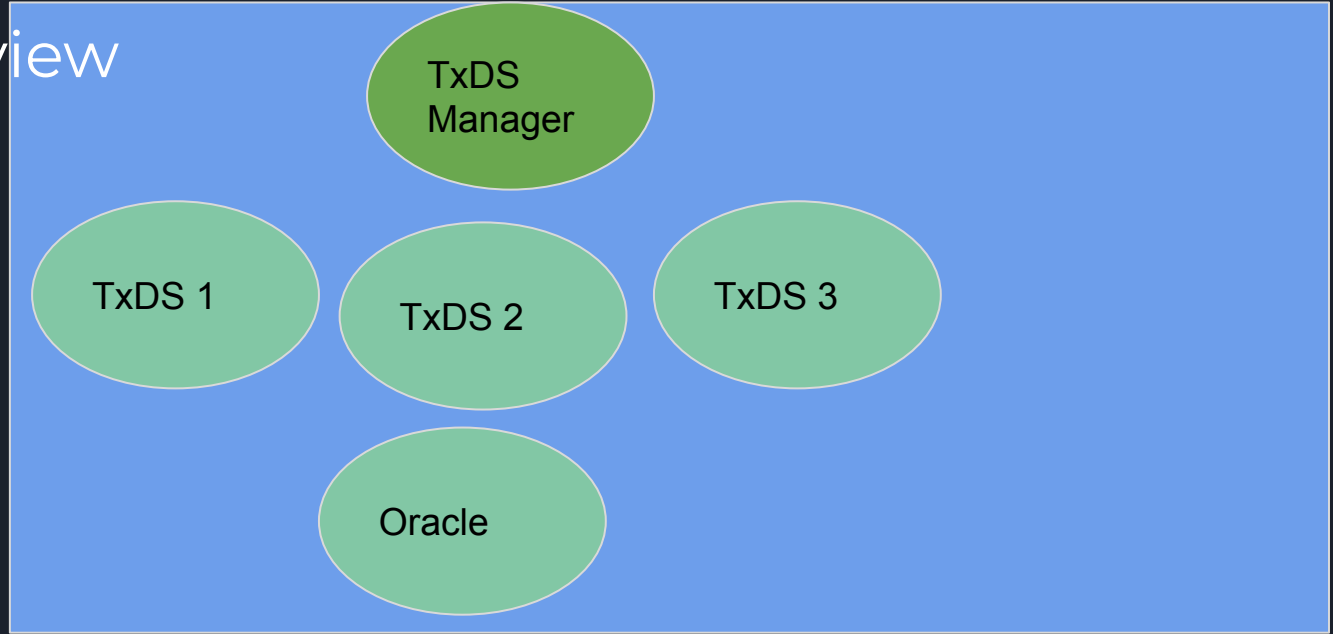
Flow of Product and Statuses



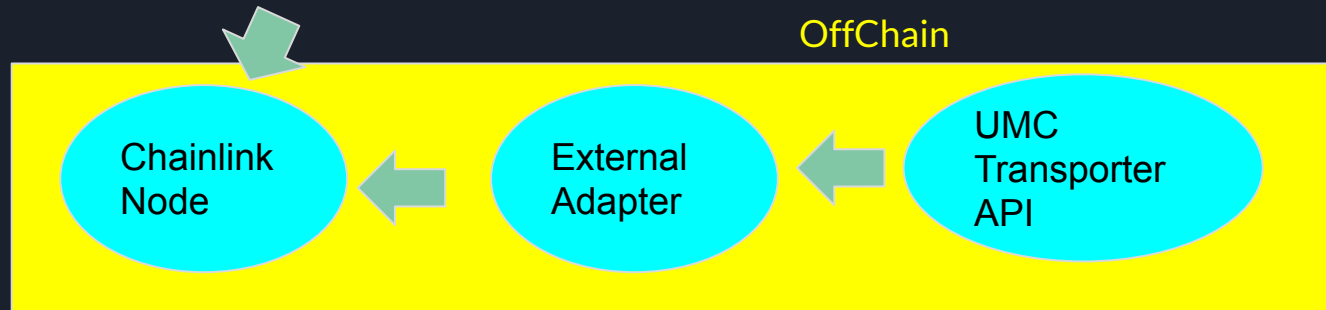


Onchain

Overview



OffChain





Roles/components of the system

Seller of the product:

Buyer of the product:

Transport courier: delivery man

Transporter smart contract: UMC contract

TxDsMan: the Transaction Delivery Service Manager

TxDS: the Transaction Delivery Service



Roles in the system

Oracle: Chainlink Net: Local Node

EA: External Adapter: Transporter UMC

Transport 1 API: Data Source Provider UMC

Service Point: Physical Parcel Drop Off Point of Transport company