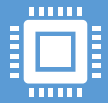
CDReconcil8

Reconcile CDRs the Smart Way

Business Problem

CDReconcil8 Flow

CDReconcil8 Architecture



CDReconcil8 Technology Stack

CDReconcil8 Team Members

CDReconcil8

Business Problem

Network operators cross-charge each other for the interconnect services they offer each other's customers. Network operators collect and store detailed information in a record known as Call Detail Record (CDR) about every call ever attempted, whether completed or not. Interconnect partners share CDRs for the purpose of verifying cross charges and settling balances. Each operator reconciles CDRs on its own end, which is prone to malpractices and errors. This causes lot of billing disputes within the operators.

By using Distributed Ledger Technology (DLT) as a "single source of truth", operators can increase transparency. The timely exchange of information in a trusted environment can reduce the manual effort operators spend on handling disputes. Furthermore, blockchain provides a trusted data source to verify operator's network origination and destination, which are not easily available in current environment. Such information can help reduce fraudulent traffic and streamline the settlement of disputes.

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CDReconcil8 Flow

1. Onboarding ISP

loading contracts and agreements

2. Signing of Contract between ISPs

signing the agreement between the partners

3. Summarized CDR upload

daily load of summarized CDRs from the partners

4. CDR reconciliation

formulation of a unifiedCDR with discrepancies flag after analysis of CDRs

detailed analysis of individual CDRs retrieved for the flagged discrepancies

auto-recommend resolution such as manual interventions, in favor of A or in favor of B, split between A and B

5. Invoicing

using the reconciled unified CDR, the invoices would be sent out to operators

operators may choose to accept or deny the invoice within a stipulated timeframe

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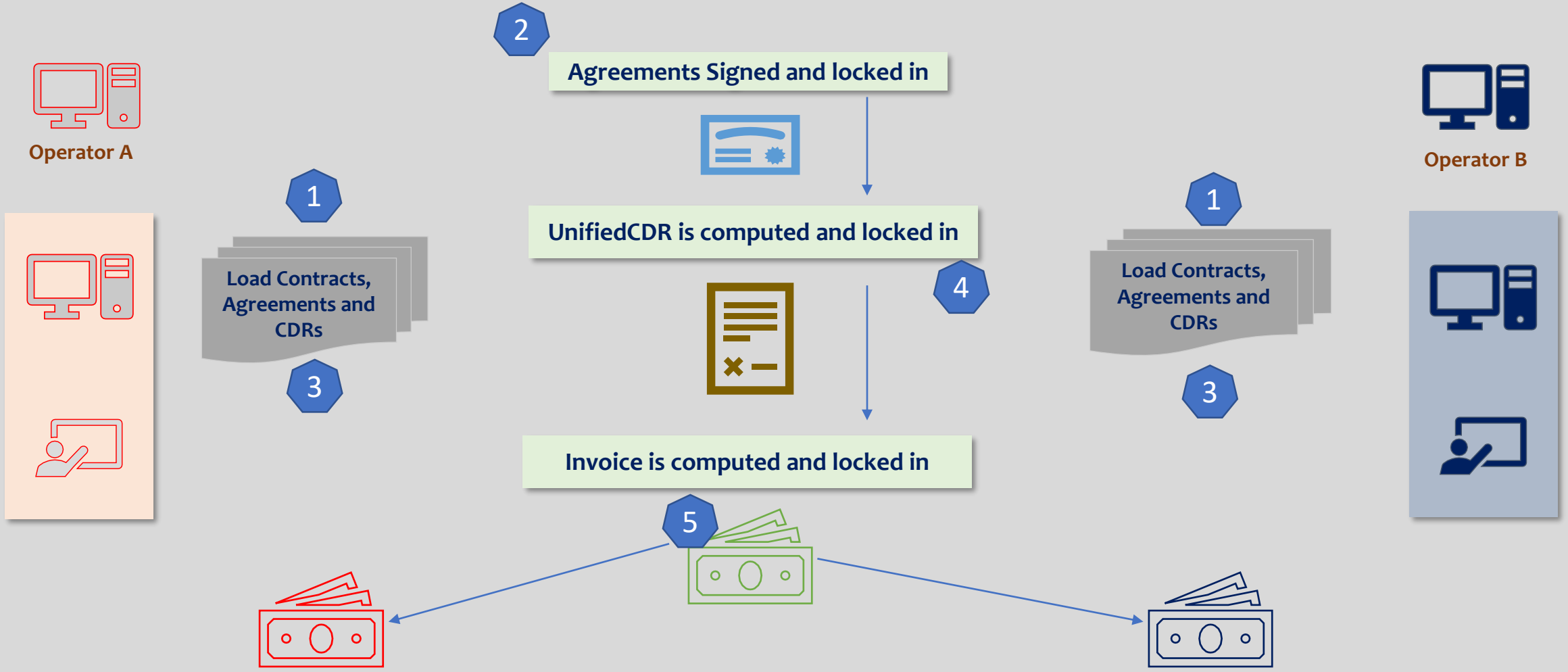

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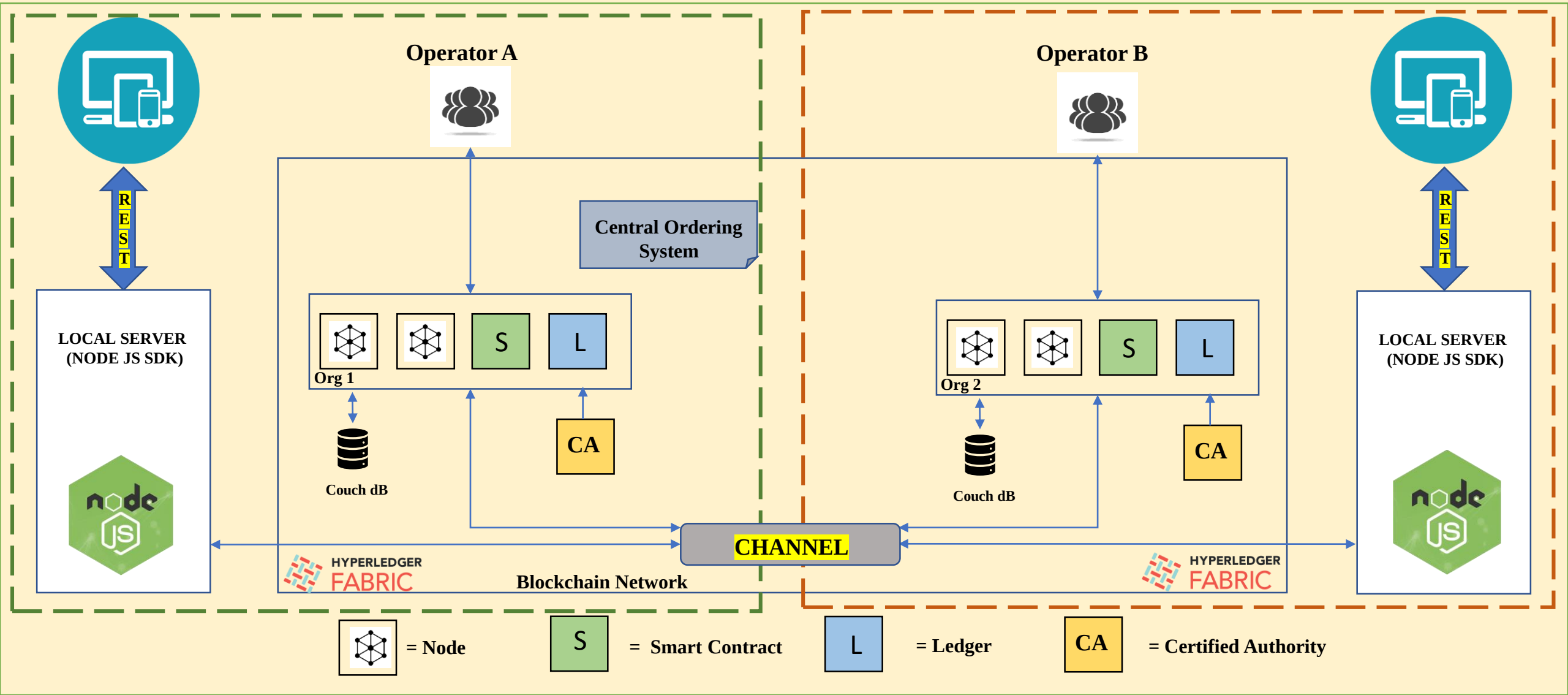
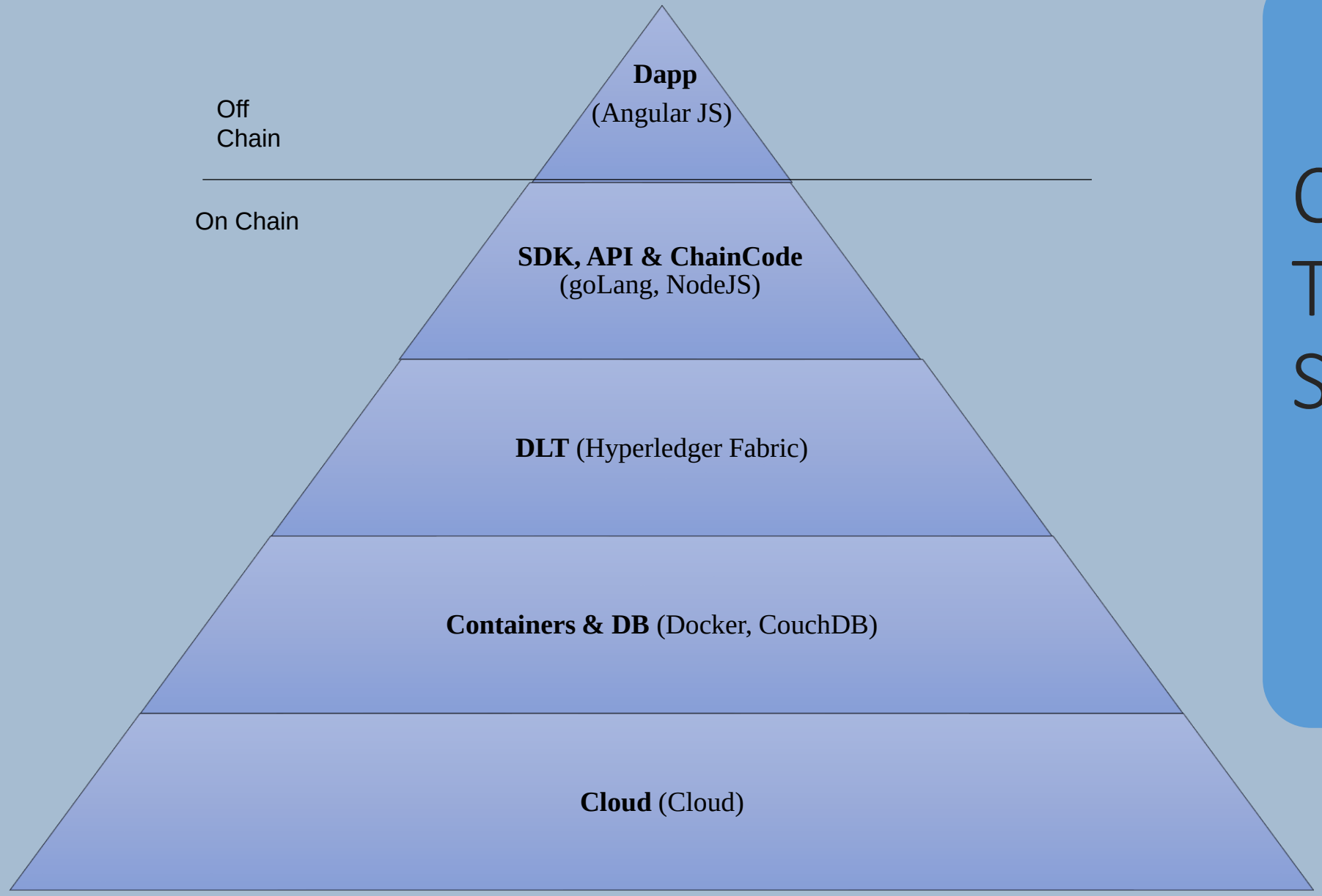


CDReconcil8 Technology Stack



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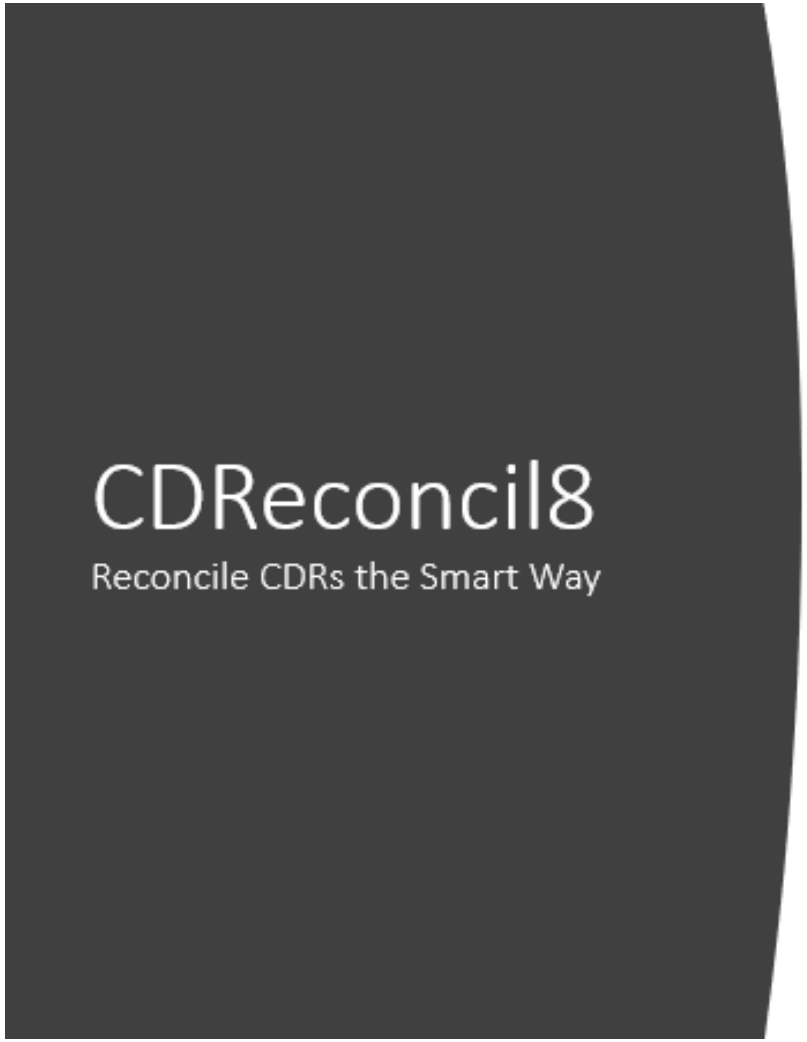
Thanks