Web3 Technologies and Network as a Service





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Web3 technologies and Network as a Service

A production use case example of a Web3 company and the Console Connect Software Defined Interconnection Platform



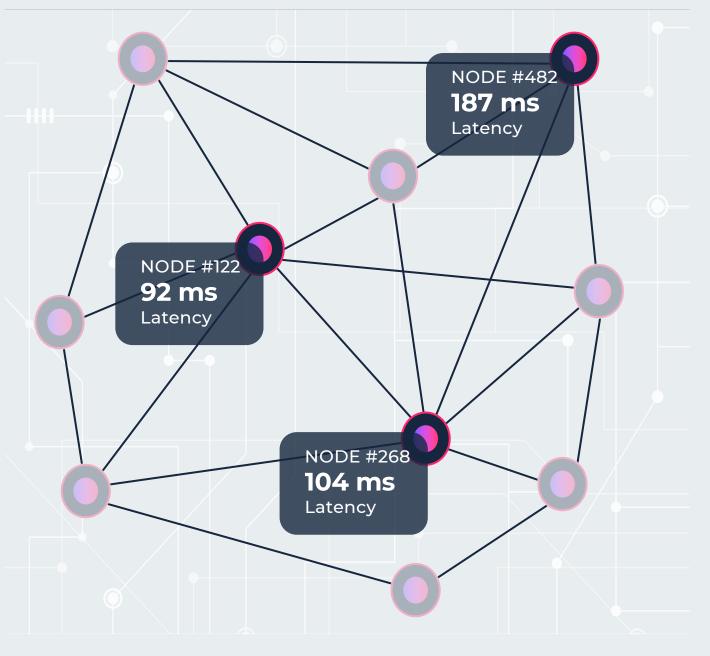


"Syntropy is building a multi-chain data availability layer, providing a decentralized and scalable way to access, retrieve and interact with real-time and historical on-chain data__

Syntropy **DARP nodes**

DARP nodes constantly share latency information and other metrics in between each other, creating a global intelligence layer for Internet pathways.

- DARP Connectivity for route optimization
- SDN Connectivity for network traffic
- Improved network latency
- Reduced packet loss
- Console Connect's programmable core network





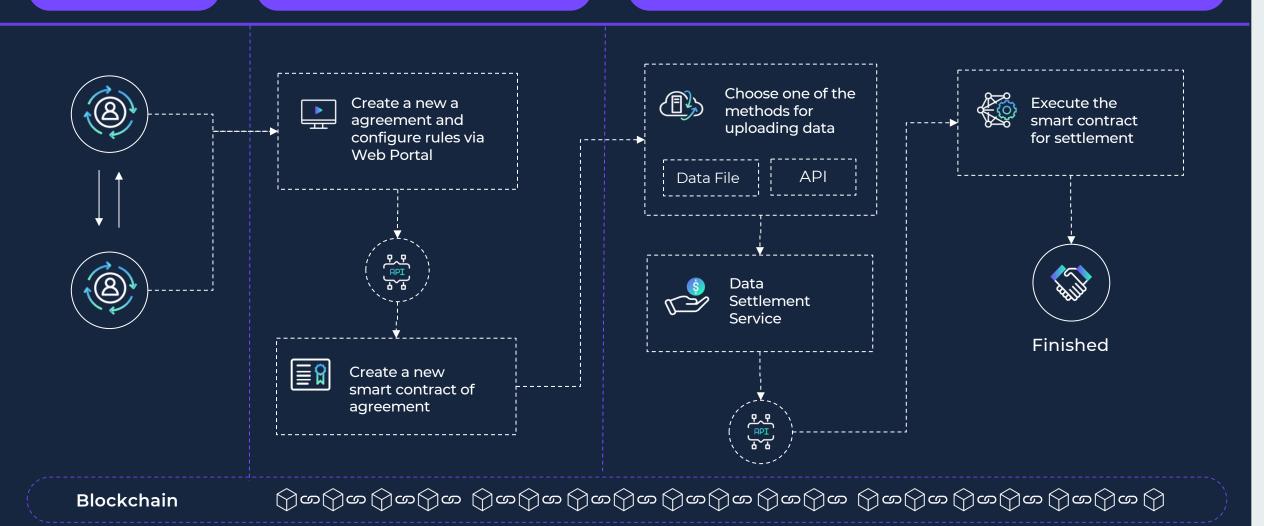
syntropy **NETWORK** NODE ROUTES **Community DARP** Syntropy Stack Routed latency Public latency Relay latency 70esb. AE Oracl
70esb. AE Dubai M247
97es0. AE Dubai M247
97es0. AE Dubai Mcro
127ed. AE Dubai Micro
127ed. AE Dubai Micro
127ed. AE Sharj Jomar
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128e Q 100% **~**

Smart Contract Swimlane Diagram

Parties

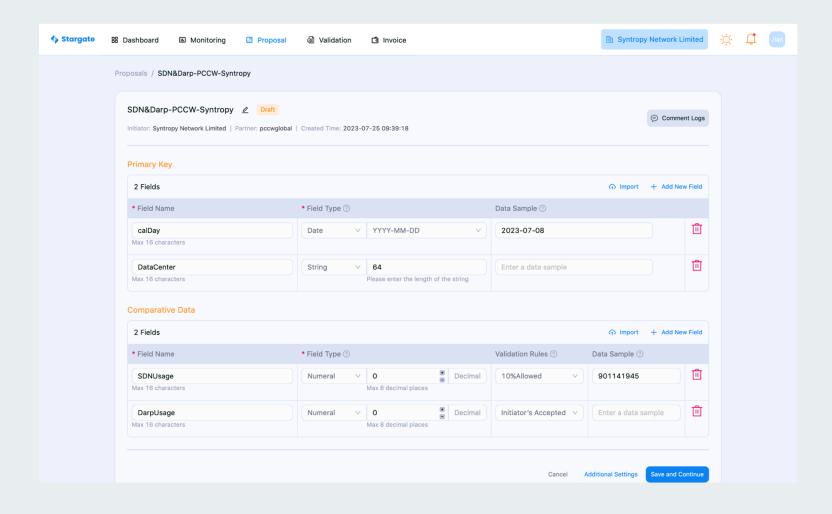
Create Smart Contract

Execute Smart Contract





Settlement Rules via Smart Contract



Smart Contract Proposal

Generation Settlement rules can be defined in the UI between two (2) companies which translate into a smart contract. The smart contract gets executed at the end of the billing cycle with an invoice generated from the matching data submitted between the (2) companies. The outstanding items goes through a manual dispute process via the UI.

Partnership use case

C consoleconnect

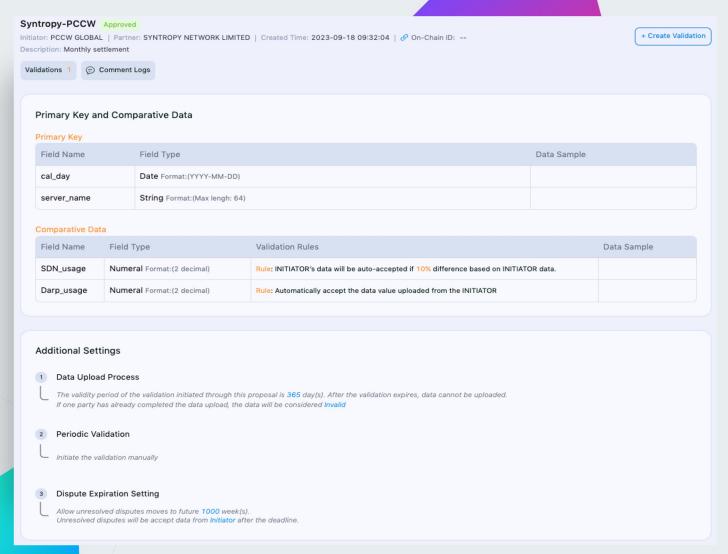
Settlement Rules Explained

Matching Rules

- Date
- DataCenter (Location)

Data Handling

- Traffic from SDN:
 - Accept exact match and10% difference
- Traffic from DARP:
 - Accept all







- Data Aggregation
- Data Comparison

Data Handling via the Settlement
 Rules Defined

```
DataMatch (ContractId initiatorDataId, ContractId partnerDataId, ContractId aggrementId)
          let initiatorOriginalData = Fetch(initiatorDataId)
              artnerOriginalData = Fetch(partnerDataId)
              aggreement = Fetch(aggreementId)
              compareFields = aggreement.compareFields
           for(compareField: compareFields) {
                     initValue = initiatorOriginalField.value
 9
                     partnerValue = partneOriginalField.value
                     compareRule = compareField.compareRule
10
                 DataFieldCompare(initValue , partnerValue, compareRule)
11
     DataFieldCompare(initValue , partnerValue, compareRule)
14
          let basedOnValue = if (compareRule.accept == INITIATOR) then initValue else partnerValue
          if (compareRule.rule == ABSOLUTE && abs(initValue - partnerValue) < compareRule.threshold) ||
15
             (compareRule.rule == PERCENT 66 basedOnValue != 0.0 66 abs((initValue - partnerValue)/basedOnValue)*100 < compareRule.threshold)
16
17
          then do
               let status = DisputeData.THRESHOLD SAME
18
19
                   acceptData = if compareRule.accept == INITIATOR then initValue else partnerValue
20
               create(status, acceptData)
21
           else do
22
               let status = DisputeData.PENDING_AGGREEMENT
23
                   acceptData = None
               create(status, acceptData)
24
     Fetch(ContractId smartContractId)
        return fromChain(smartContractId)
```



Integrate Console Connect NaaS services via API

Console Connect **NaaS APIs** enable developers to automate network connectivity across different providers.

Our API ecosystem abstracts the complexity & rate of change in cloud provider API endpoints.

Hence, developers can deploy services more quickly via single points of access to the world's largest software-defined connectivity platform.





Thank you __

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