

TSG – Analytics Data Plane

Dataspace based analysis support

General purpose Dataspace technology

- **SSI Wallet**

(W3C Verifiable Credentials, OpenID 4 Verifiable Credentials, Decentralized Claims protocol)

- **Control Plane**

(Eclipse Dataspace Protocol)

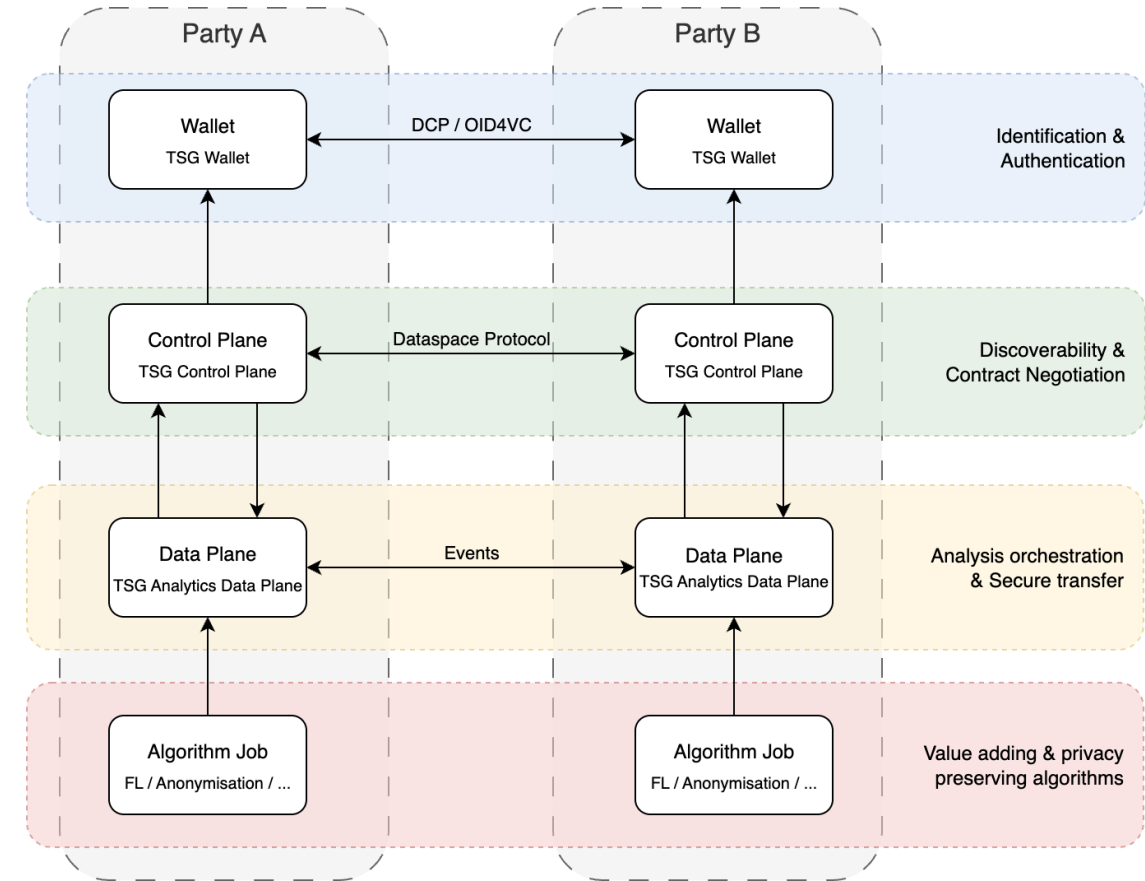
Event based collaborative analysis

- **Analytics data plane**

Orchestration & transfer of events

- **Algorithm jobs**

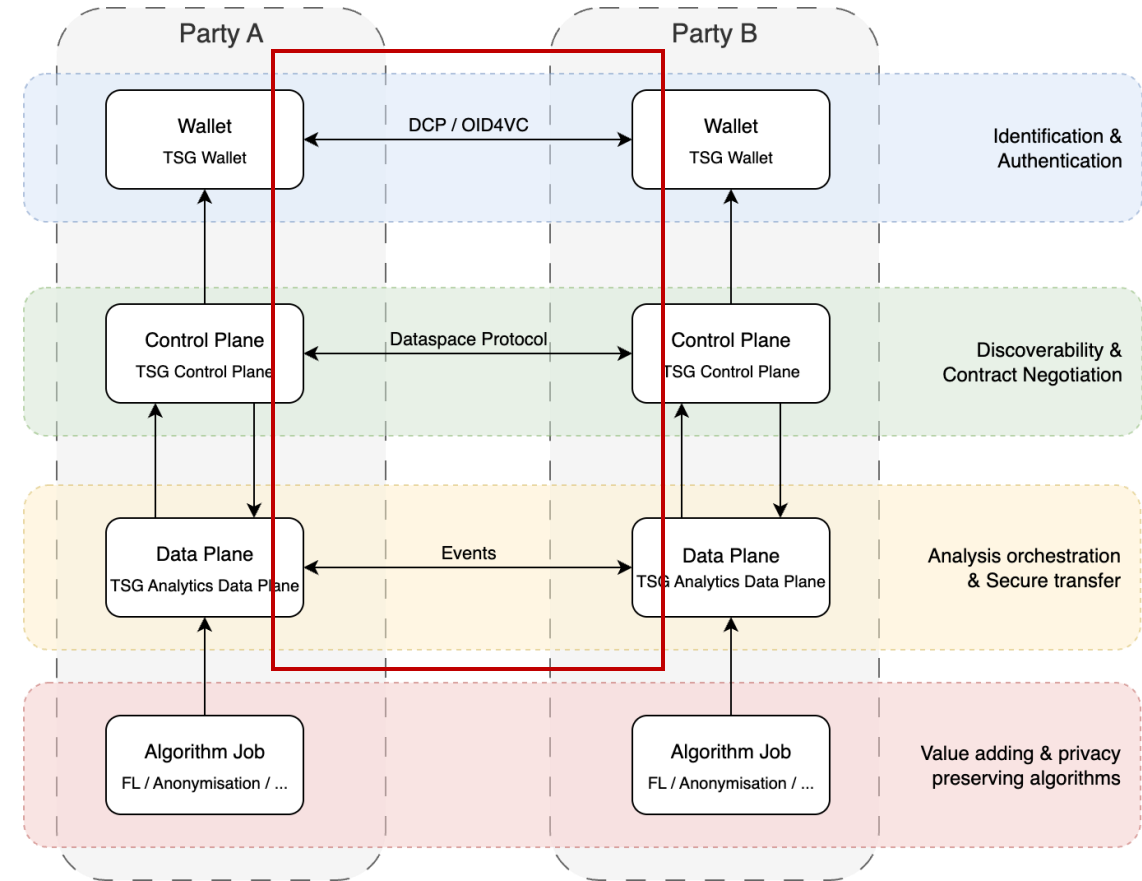
Execution of algorithms



Communication

Relies by default strongly on servers

- *DID method defaults to did:web*
 - (a) *Placing wallet outside firewall*
 - (b) *Investigating whether a did:key variant might work*
- *Dataspace Protocol default binding relies on HTTP callbacks*
 - (a) *Placing control plane outside firewall*
 - (b) *Custom protocol binding created to handle callbacks via an outbox*



Analysis

Algorithm job runs with HTTP-client only

Example Algorithm created using Tensorflow/Keras

- Configurable via JSON-serialized Keras model/optimizer

