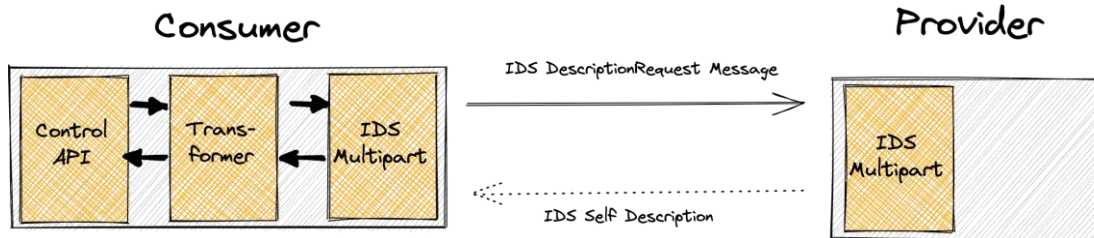




Eclipse Dataspace Connector – Hackathon tasks

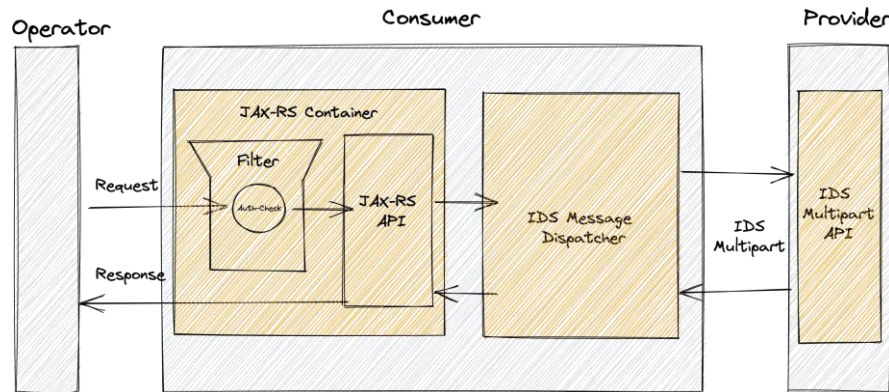
Control API: Retrieve Provider Catalog

- *Introducing JSON API using JAX-RS for provider catalog retrieval*
- *Leverage the EDC Message Dispatcher to fetch IDS Self Descriptions*
- *Extend transformation subsystem enabling mapping from IDS to EDC domain and vice versa*
- *Verify functional integrity using API Contract Tests*



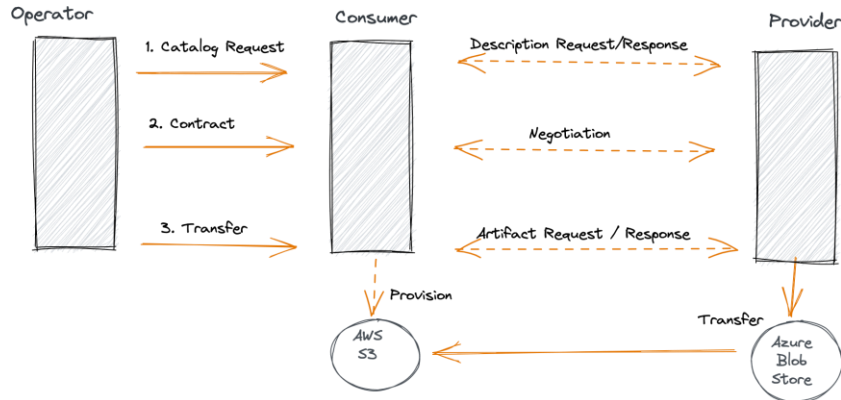
Control API: Authentication Mechanism

- *Security mechanism preventing unauthorized access of the control API*
- *JAX-RS Container Request Filter verifying presence of API-Keys*
- *Configurable via system environment*
- *Outlook: Extensible library to define custom authentication aspects*



Verify Contract Offer Request Flow

- *Produce new binaries for the consumer and provider connectors*
- *Update documentation (security mechanism & catalog control API)*
- *Automated infrastructure provisioning using Terraform*
- *Request catalog, negotiate contract and trigger data transfer via control API*



Integrate UCON+ within the EDC

- *Prepare an extension for policy service called `IdsUcsPolicyService`*
- *Hook for revoke is in place inside the connectors*
- *Hook can be called by UCS*
- *Connectors listen to UCS obligations and enforce them accordingly*
- *Integrate samples*

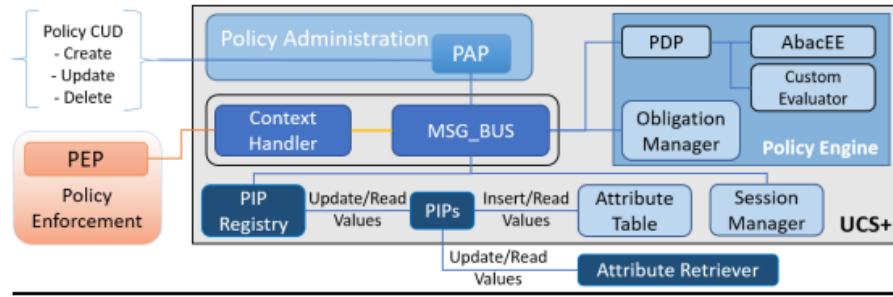


Figure 3 UCS+ Architecture