Module

Inputs → Lambda → Outputs

Module Inputs currently in storage

Local Inputs
- Forward value sent to output using

Inputs subscribe to Outputs using Observer/Observable Interface.
- Outputs have references to Inputs ⇒ subscription persistence in/out of blob storage.

External Inputs
- Create work message containing module input ID and new value.
- Put message on service bus.
- When message is processed, load modules that input belongs to and pass value on.

Module storage can load correct modules based on Module Input Guid.

Composite Module
- Pass in Composing Modules with subscriptions already established.
- Pass in Module Inputs and Outputs that are exposed to the outside world.

Composite
1. DAL needs to send notification of data received with data set
2. Worker role receives messages and either forwards them to Data Retrieval or Module Execution using a visitor
3. Both Data Retrieval and Module Execution have visitors to handle the messages they are supposed to handle.
4. Load appropriate data cleaning module if one exists and get data set data.

Module - Shell which handles subscriptions.
Lambda - processing, specific inputs/outputs, anything else that's relevant.