

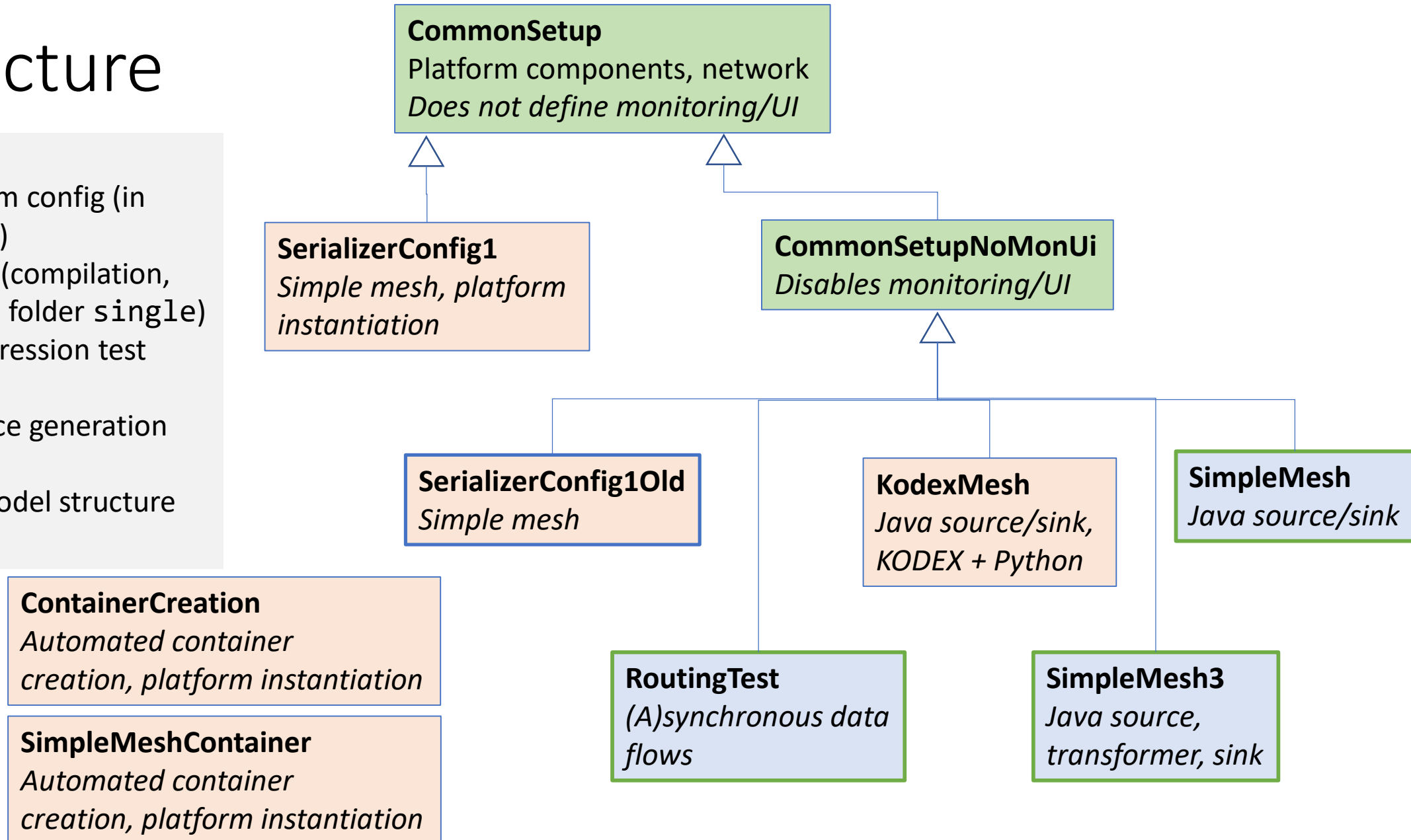
Purpose

- Structural regression tests
 - Does the build process work
 - Is source code compilable (Java, Python)
 - Is Yaml structure ok
 - Are generated files not empty
 - Are expected files there
- Preparation for execution regression tests (in dependent project examples)
- Mutual dependency on `test.configuration.configuration` implementing the services (based on generated interfaces, integrated via dynamic class loading)

Structure

Legend

- Shared platform config (in folder common)
- Structural test (compilation, file contents in folder single)
- Executable regression test (in examples)
- Shared interface generation (old style)
- In managed model structure (own folder)

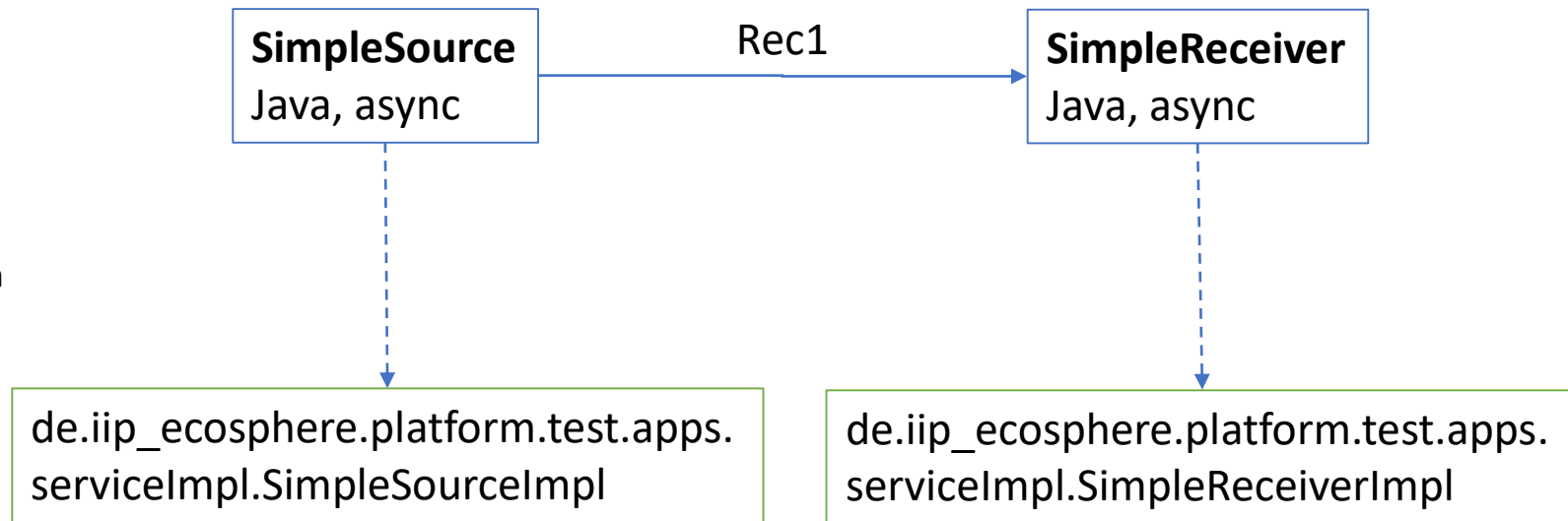


SimpleMesh

- Purpose:
 - Simple data flow among two services (source, sink)
 - Asynchronous communication
- Used also in the Install Package
- Used as regression test in examples

SimpleMesh

In test.configuration.configuration
de.iip-ecosphere.platform:
apps.ServiceImpl:
iipVer

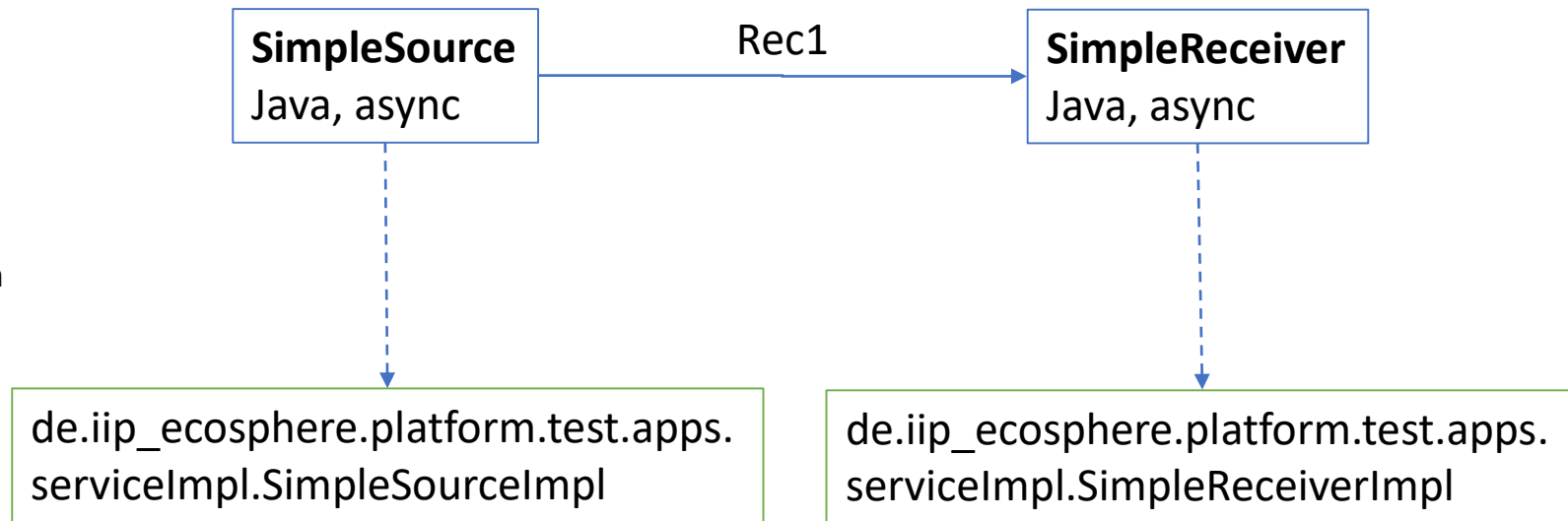


SimpleMeshContainer

- Like SimpleMesh, but with Container creation enabled

SimpleMeshContainer

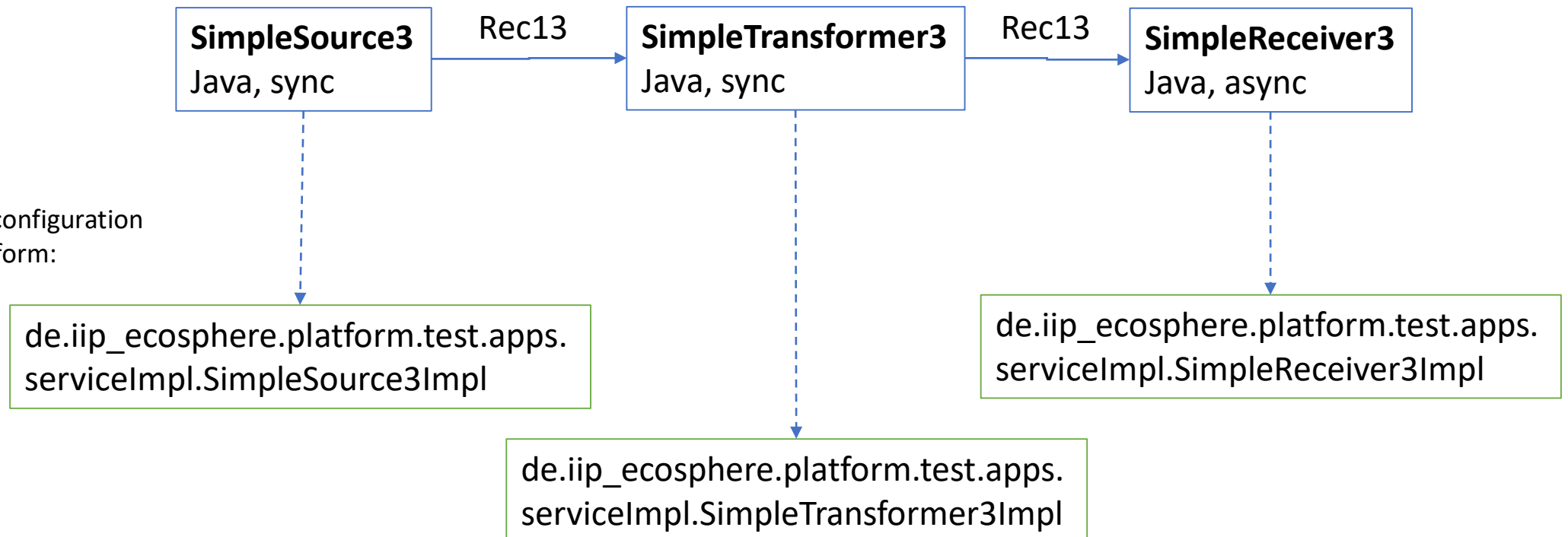
In test.configuration.configuration
de.iip-ecosphere.platform:
apps.ServiceImpl:
iipVer



SimpleMesh3

- Purpose:
 - Simple data flow among three services (source, transformer, sink)
 - Mostly synchronous communication
- Used as regression test in examples

SimpleMesh3 (simple flow with transformer, partially sync)

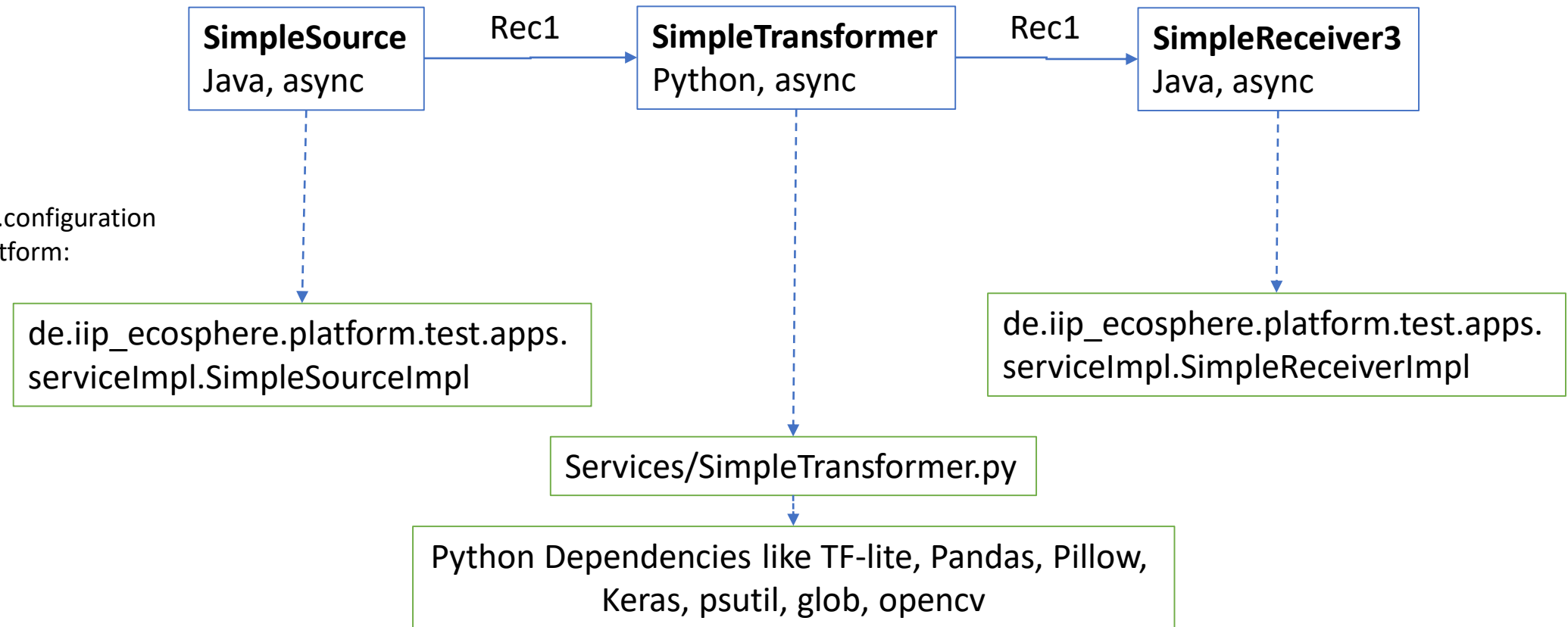


In test.configuration.configuration
de.iip-ecosphere.platform:
apps.ServiceImpl:
iipVer

ContainerCreation

- Based on SimpleMesh, also like SimpleMesh3 but with Python service
- Container creation with Python dependencies

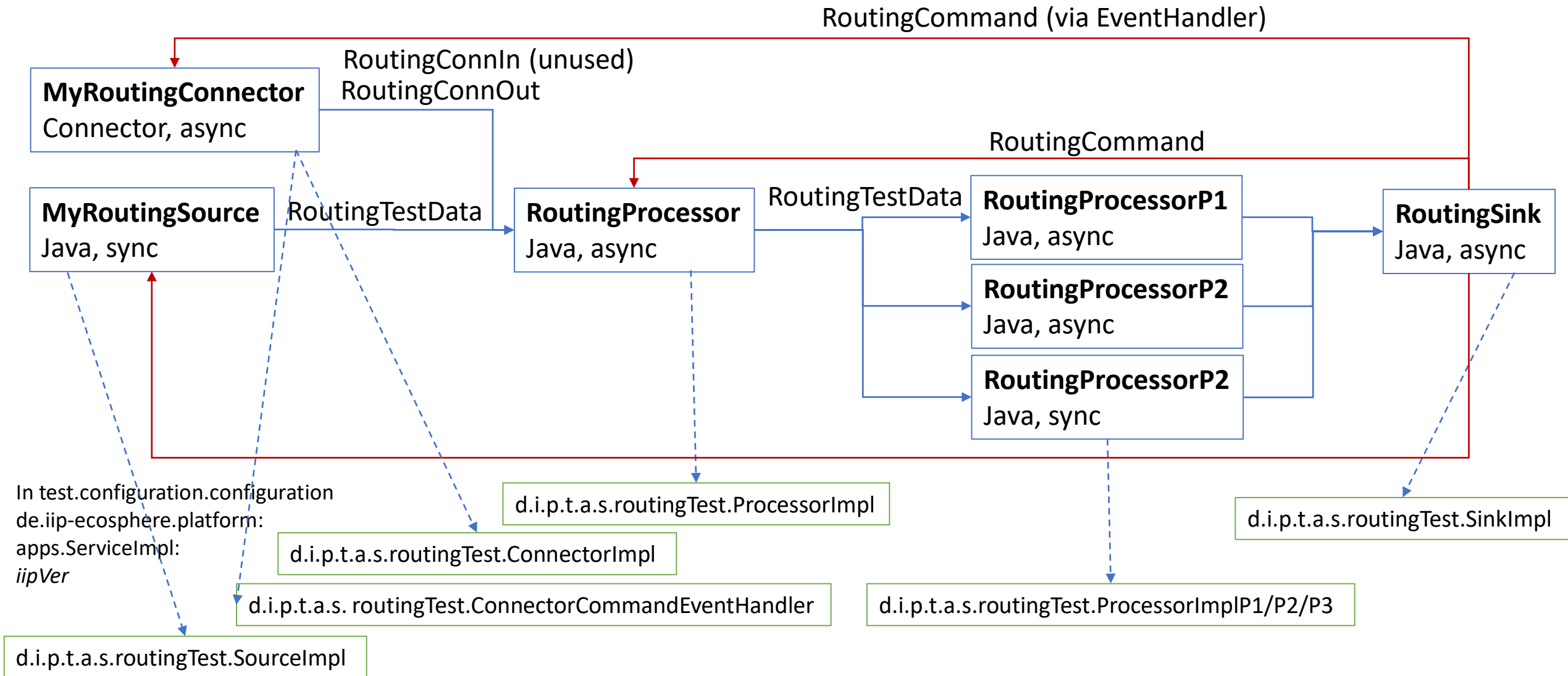
ContainerCreation



RoutingTest

- Purpose:
 - Forward and backward flows
 - Synchronou source
 - Handwritten connector reacting on backward flow
 - Parallel asynchronous paths
- Used as regression test in examples

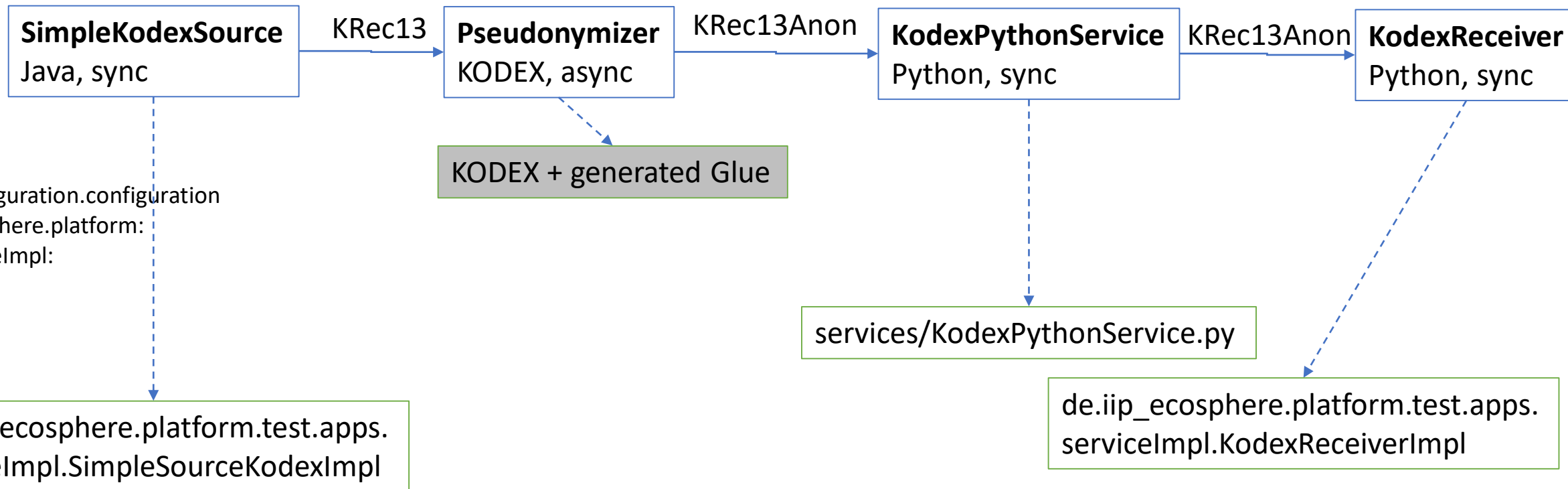
RoutingTest



KodexMesh

- Purpose:
 - Test KODEX integration
 - Later: Also Python, synchronous
- Purely structural test

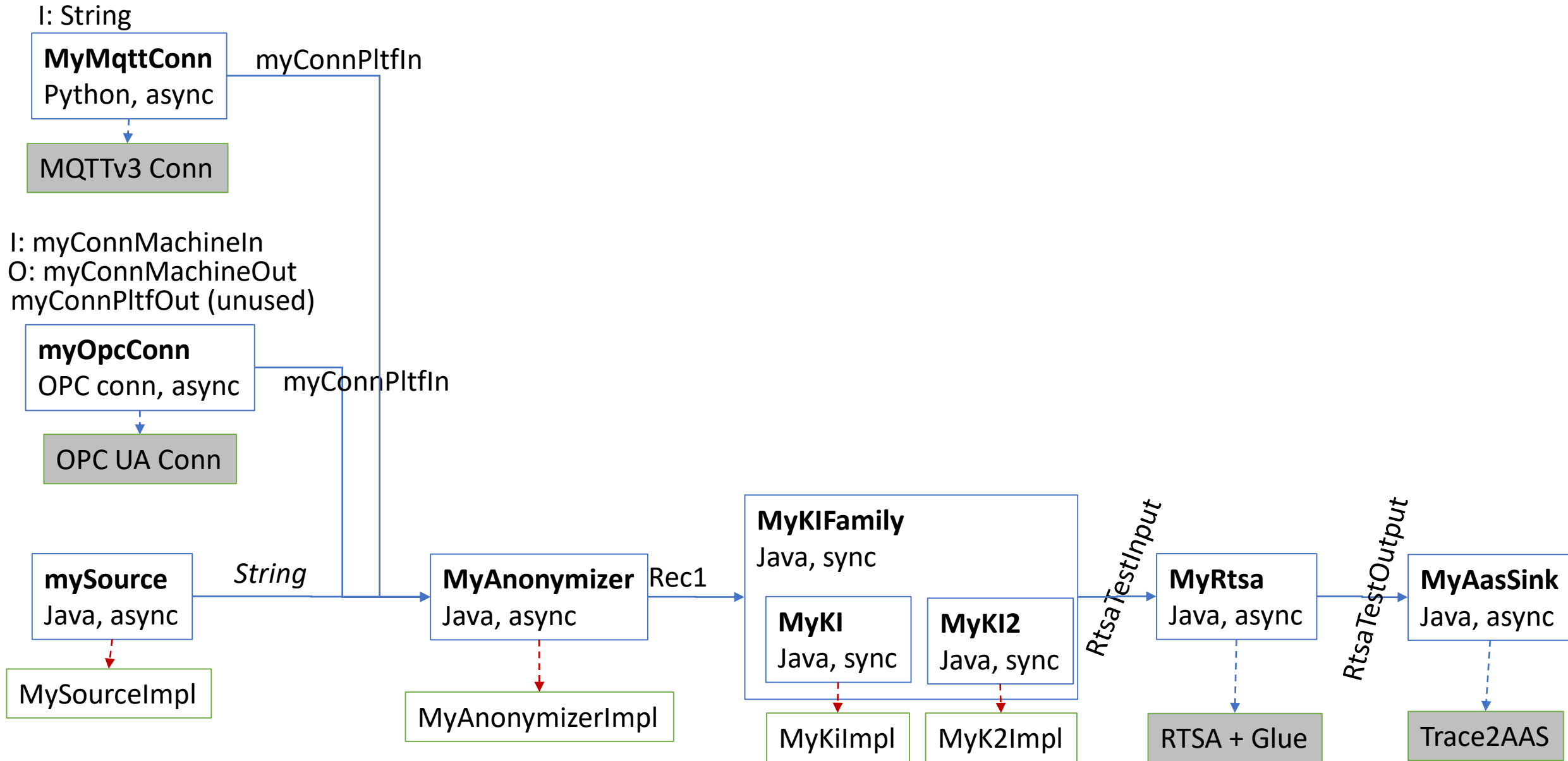
KodexMesh



SerializerConfig1

- Name: From original test that tested generation of a serializer
- Purpose:
 - Two connectors with data transformation
 - RTSA integration
 - Service family
 - Service parameters
- Purely structural test (not executable, no implementations attached)

SerializerConfig1



SerializerConfig1-old

- Name:
 - From original test that tested generation of a serializer
 - Derived from SerializerConfig1
 - Old-style not-separated interfaces
 - Applies object arrays to connectors
- Purpose:
 - Two connectors with data transformation
 - Simple data chain
- Purely structural test (not executable, no implementations attached)

SerializerConfig1-old (connector gen, impl. irrelevant)

