

SkładQA #3

Kraków, 2018 - Mateusz Bryła

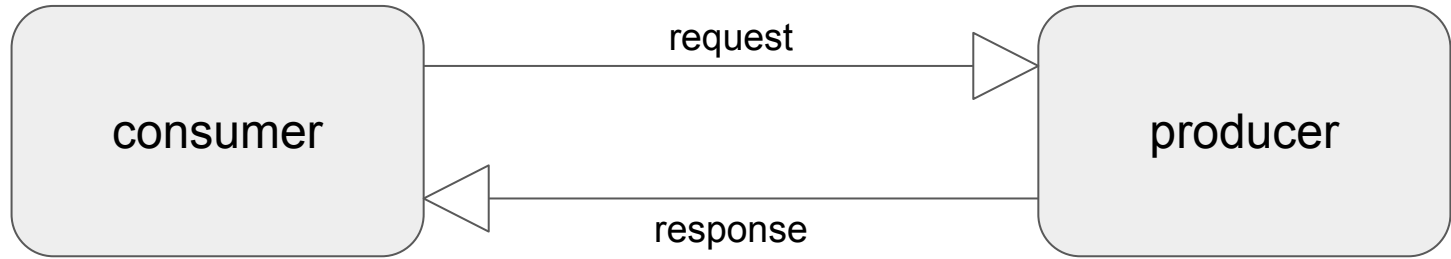
Contract Testing

Agenda

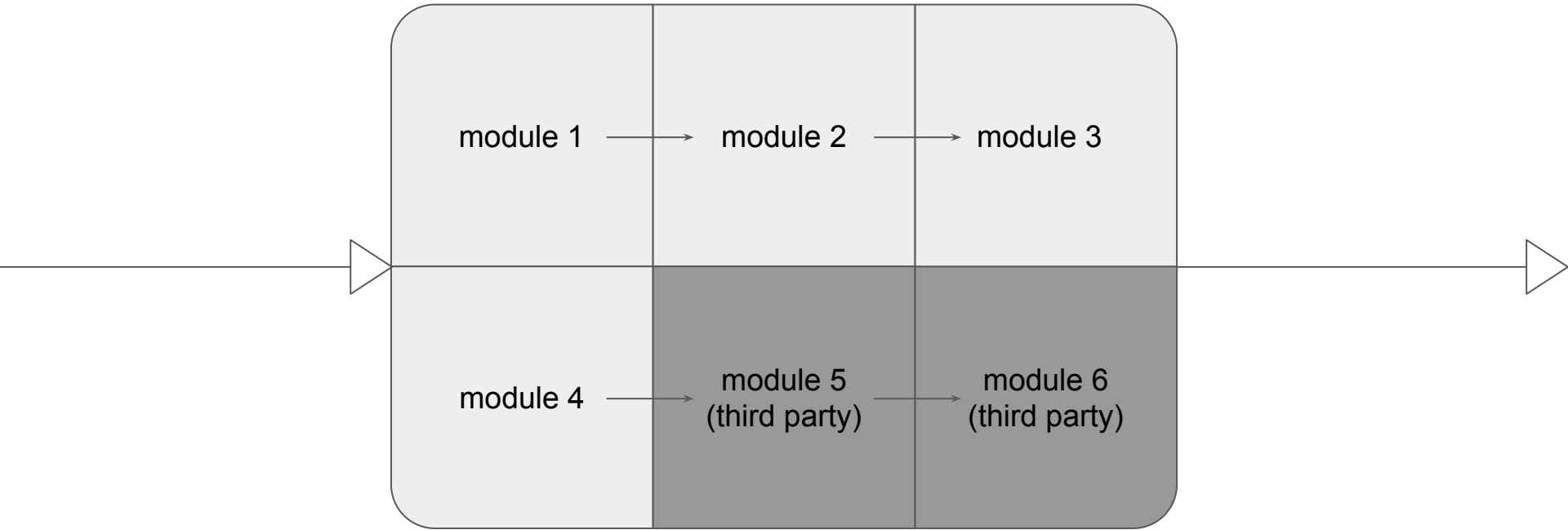
- Baseline
- Contract
- Contract Testing
- Why (not)?
- Tools
- Example

Baseline

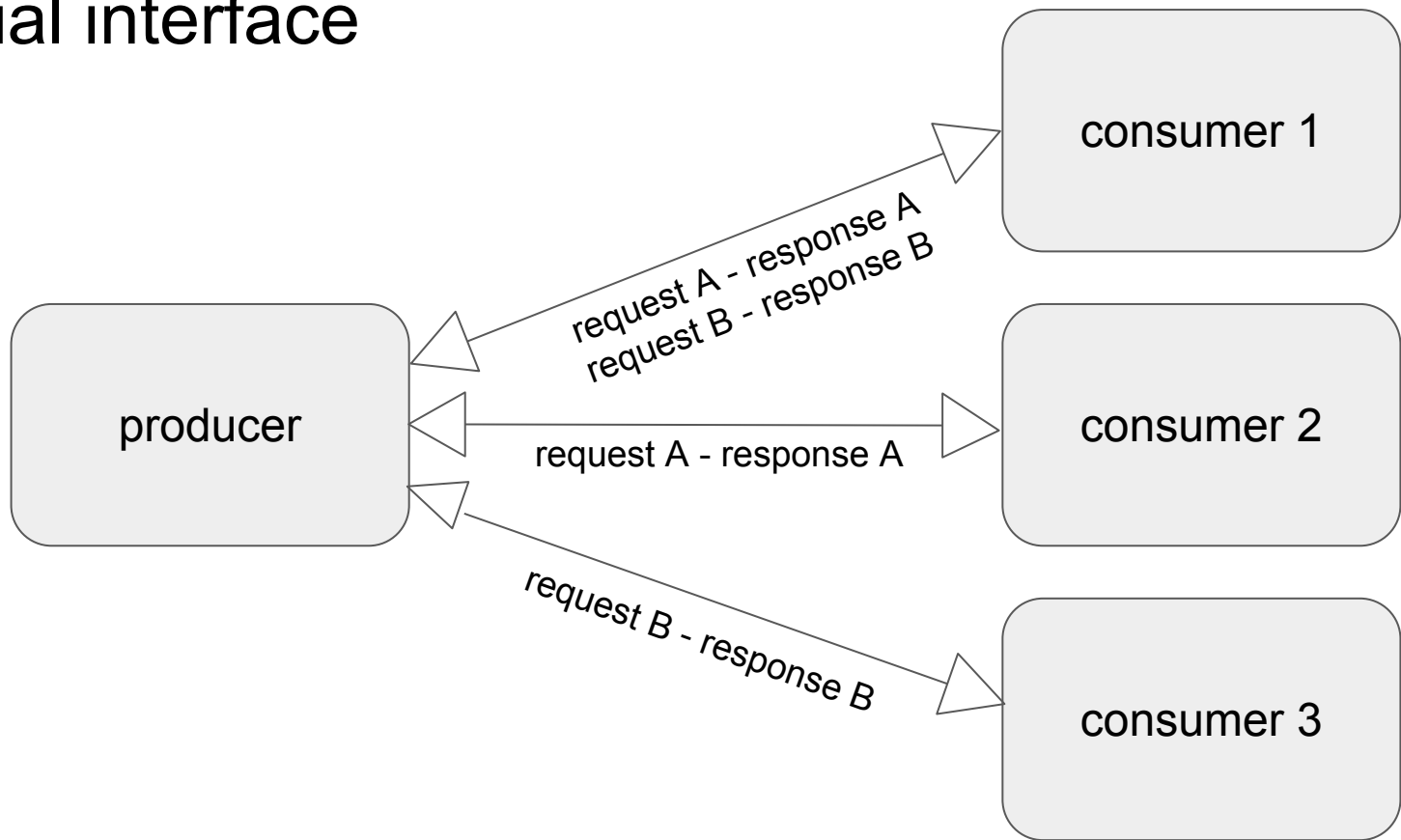
Interface



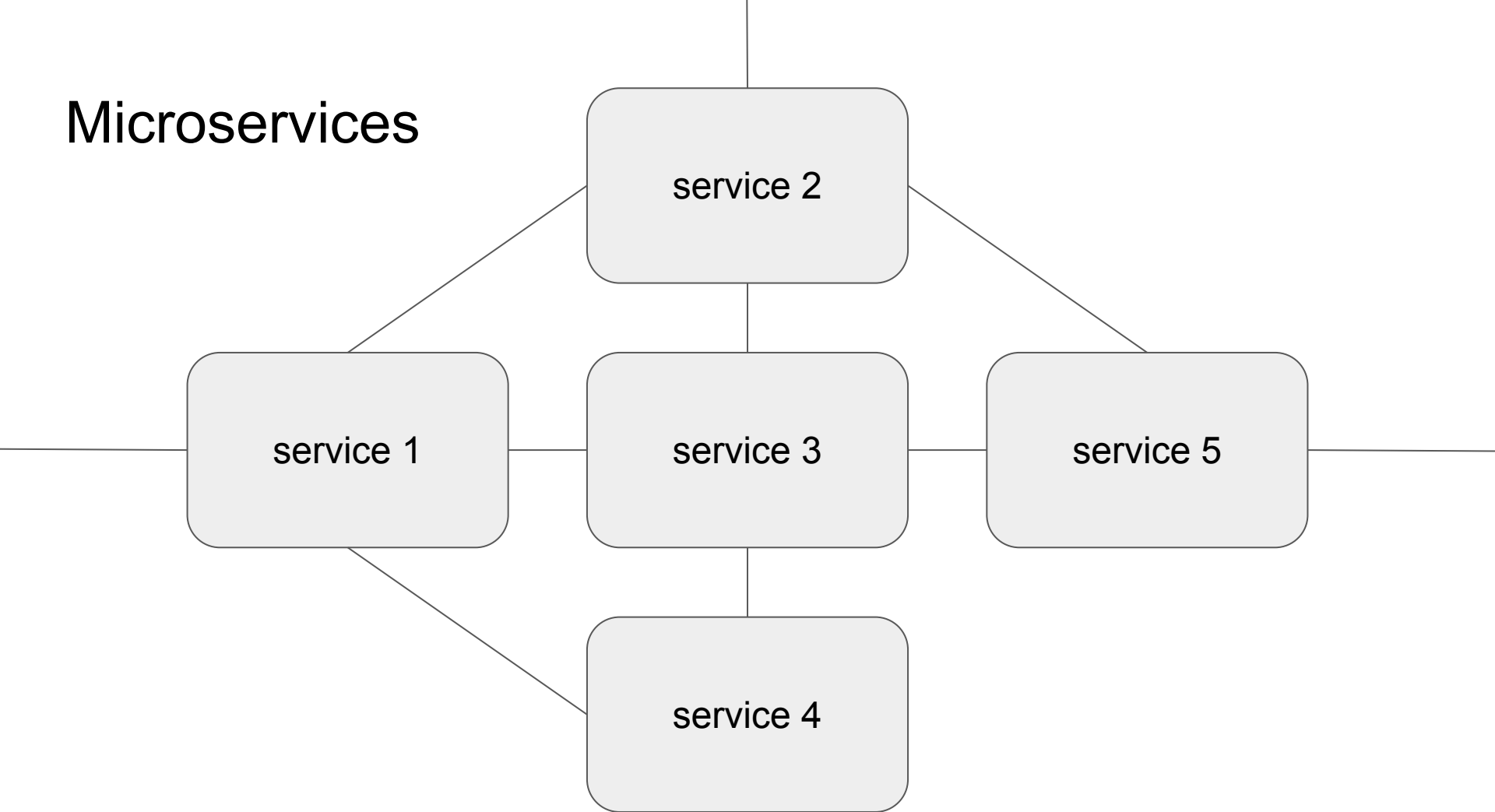
Interfaces within a service



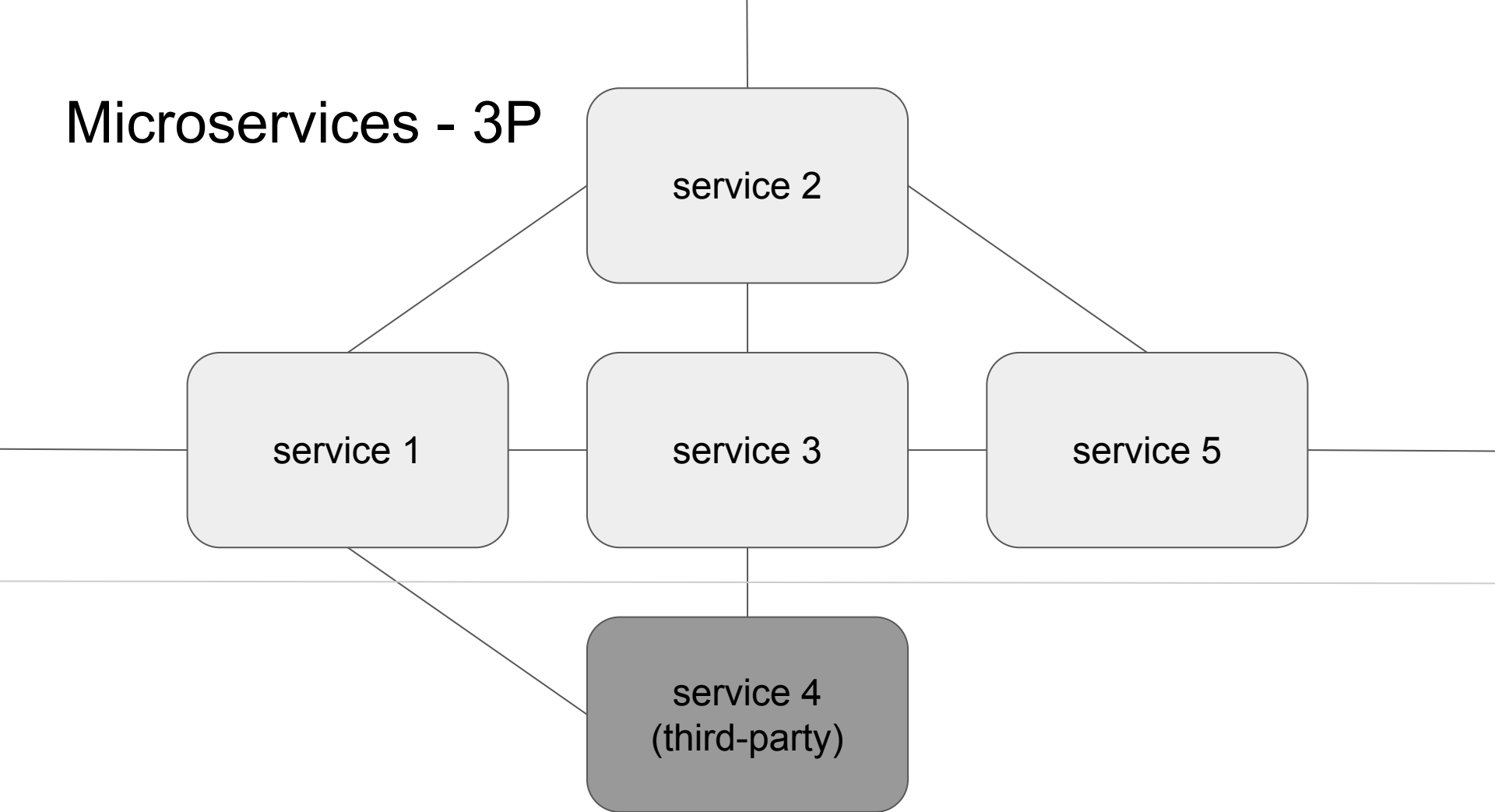
Partial interface



Microservices

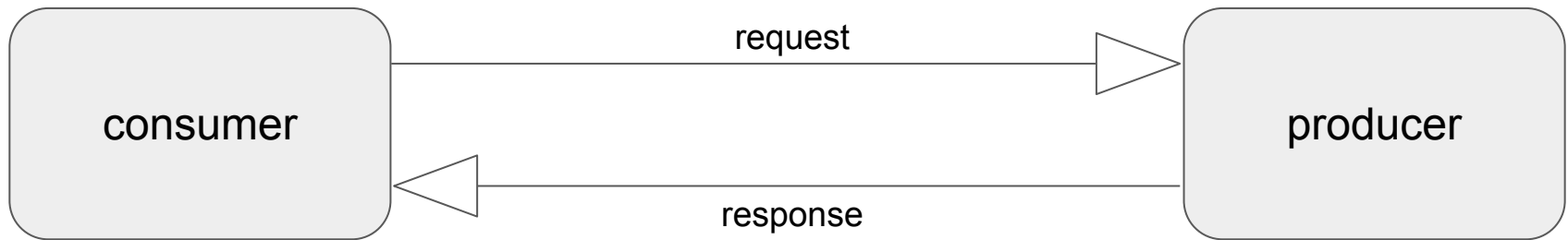


Microservices - 3P

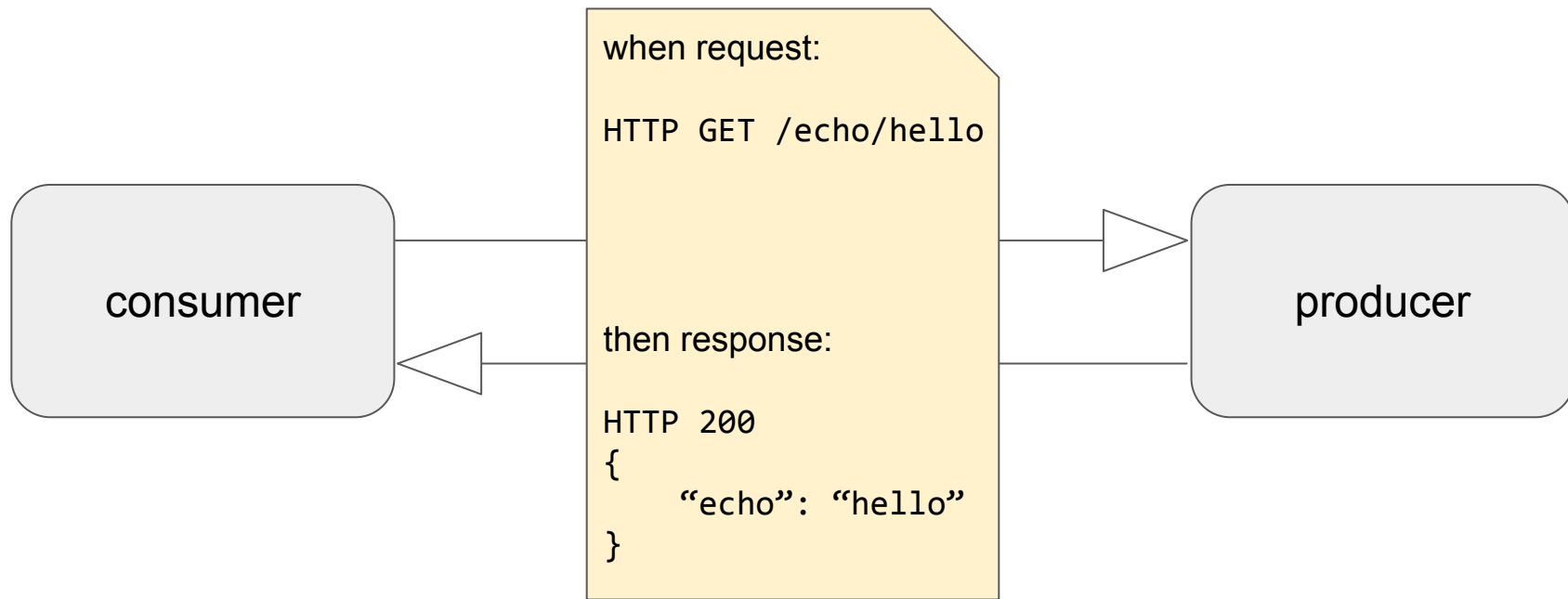


Contract

Interface

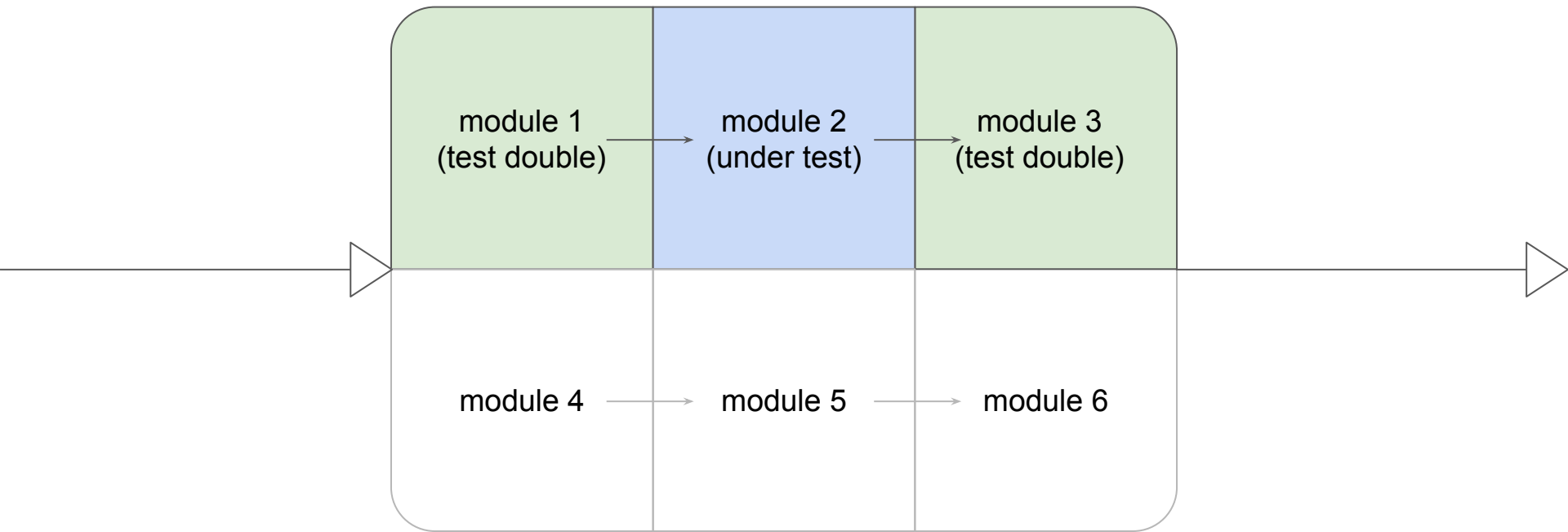


Contract

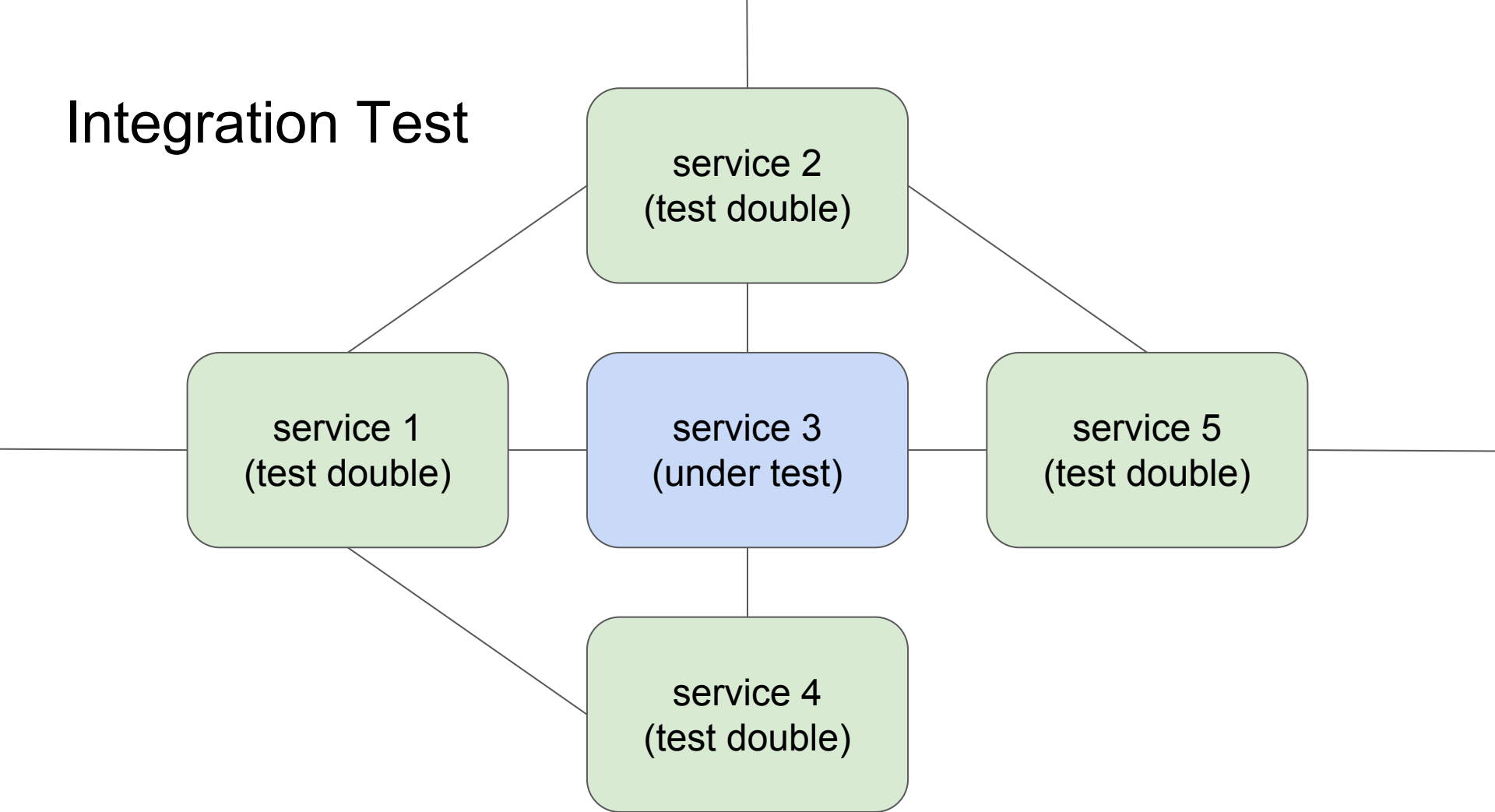


Contract Testing

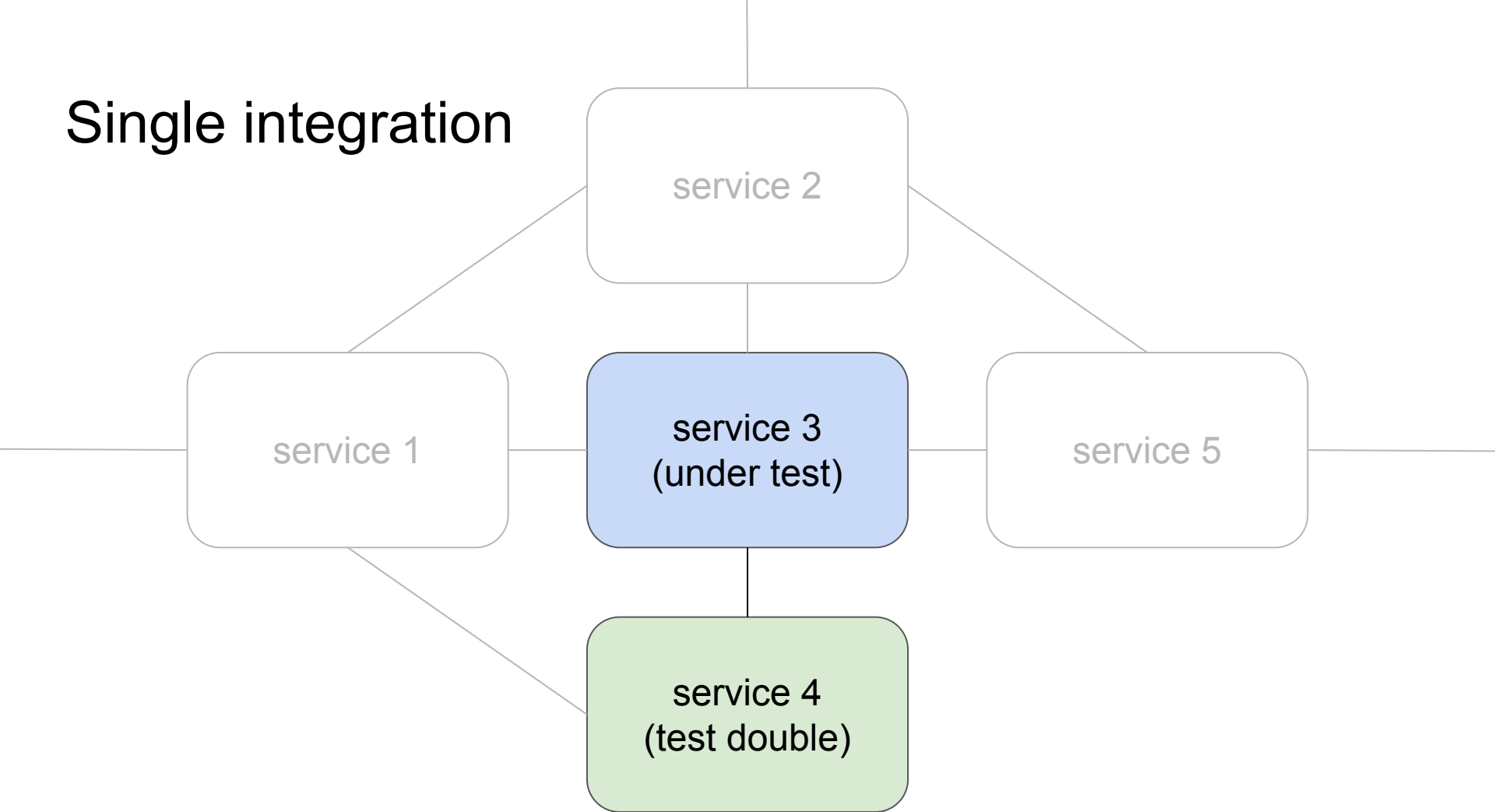
Unit Tests



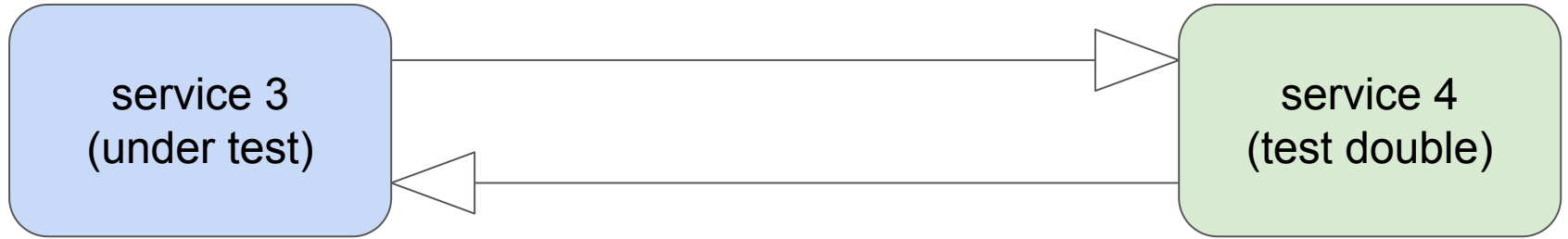
Integration Test



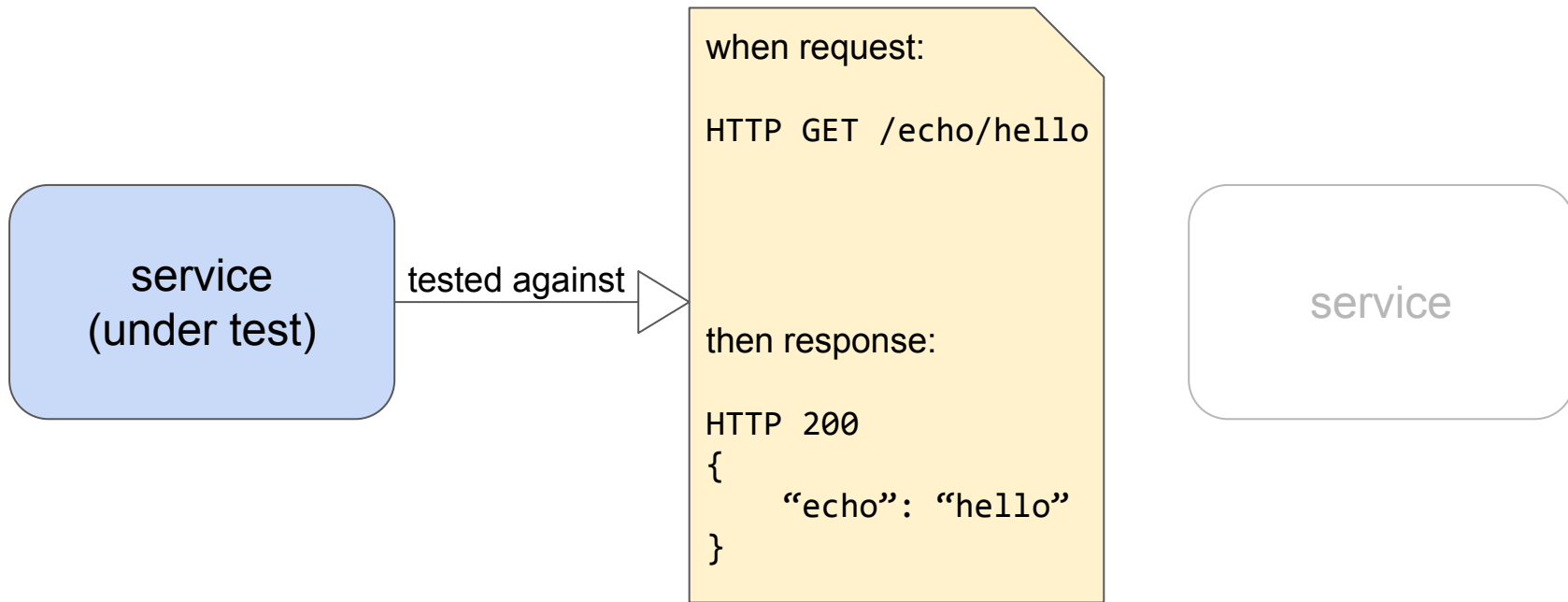
Single integration



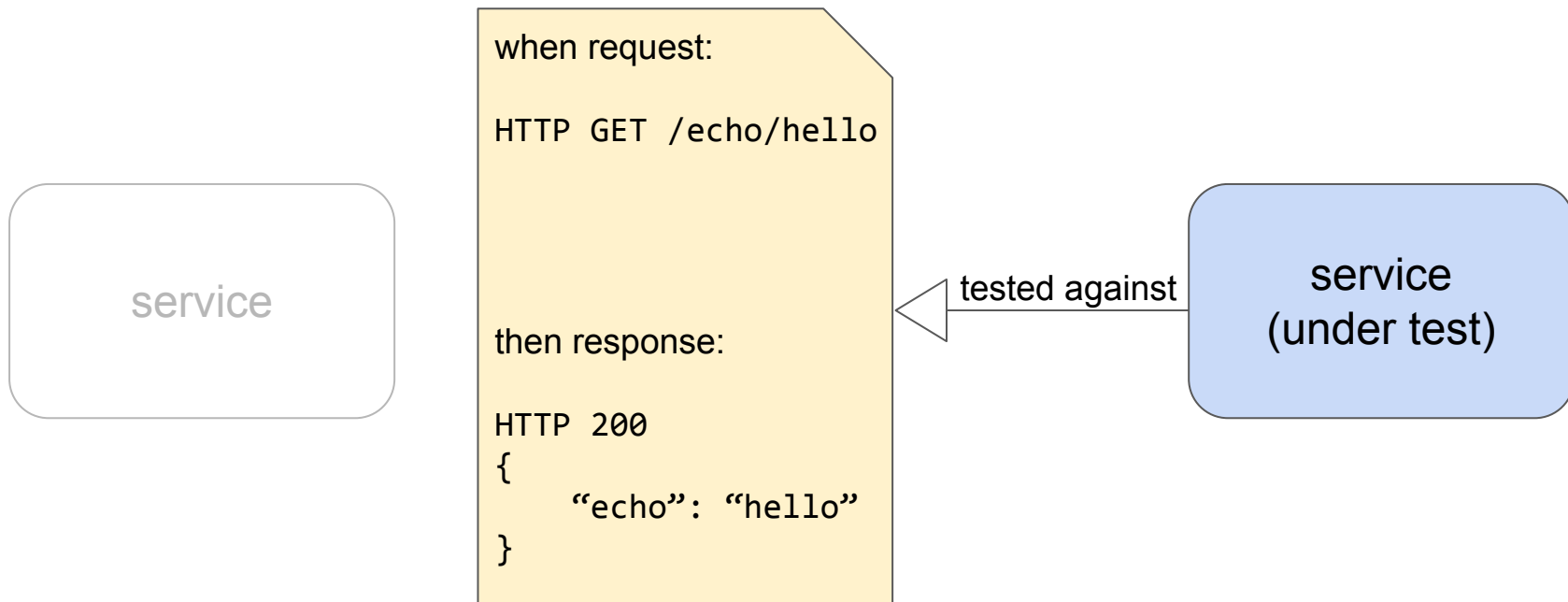
Single integration - sideways ;)



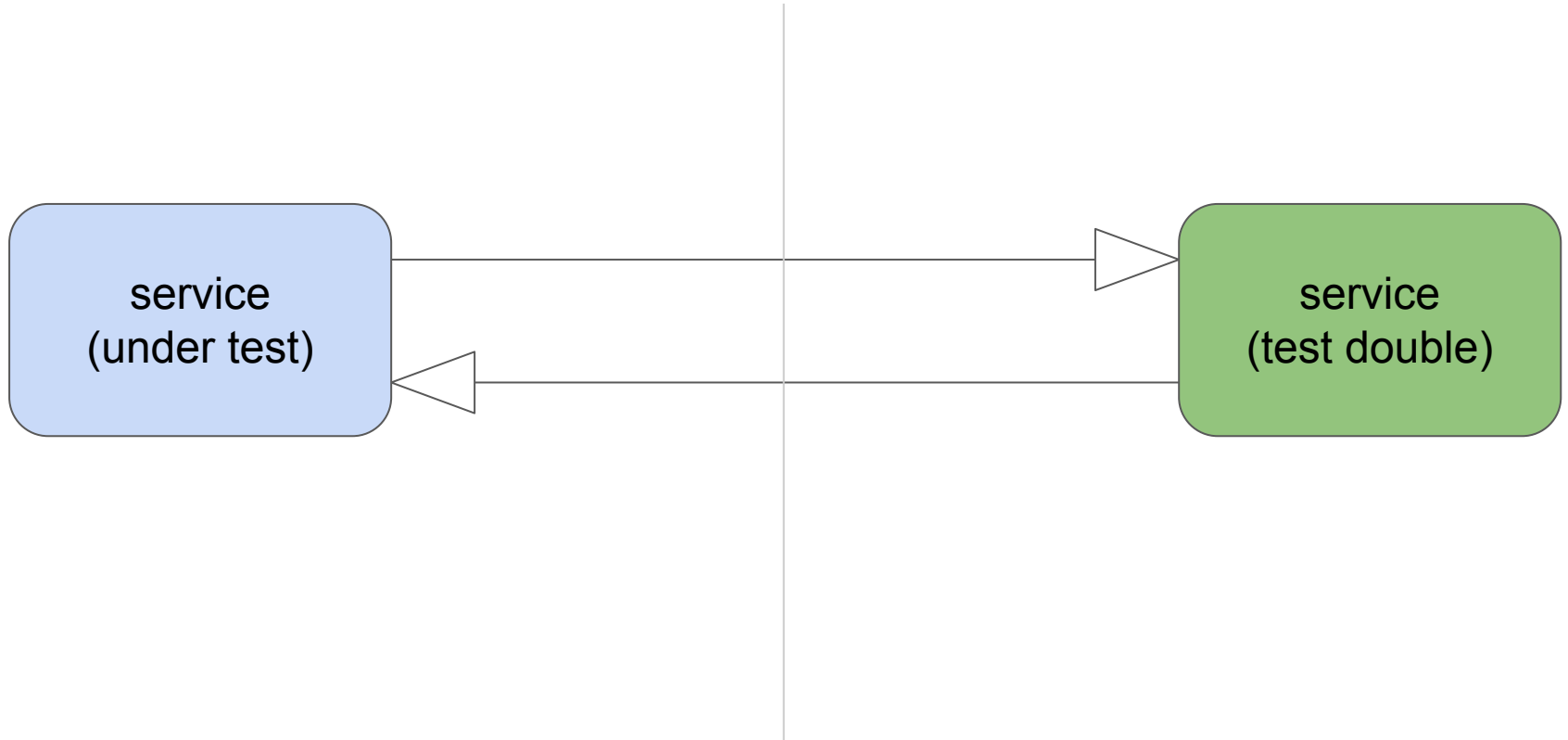
Contract test



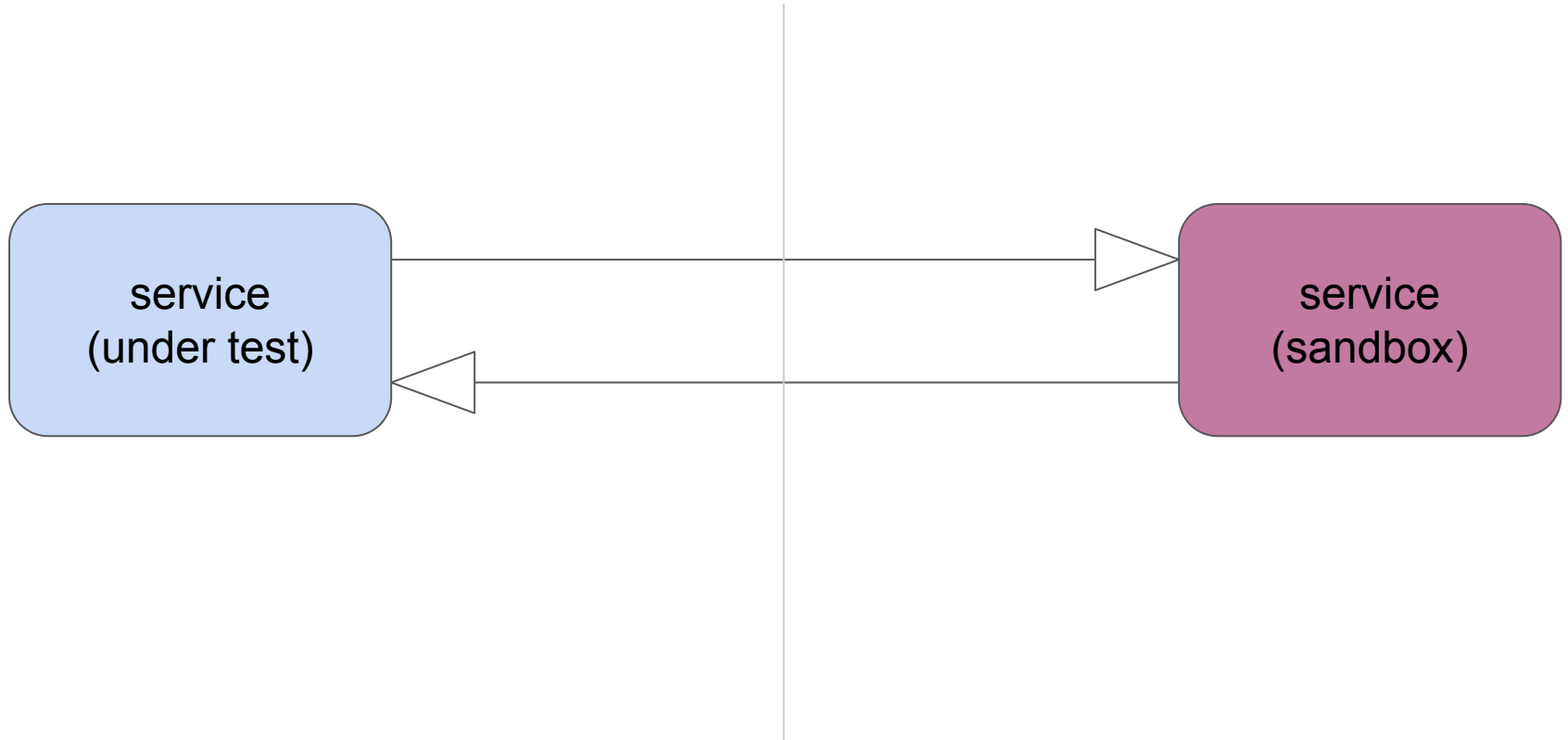
Contract Test



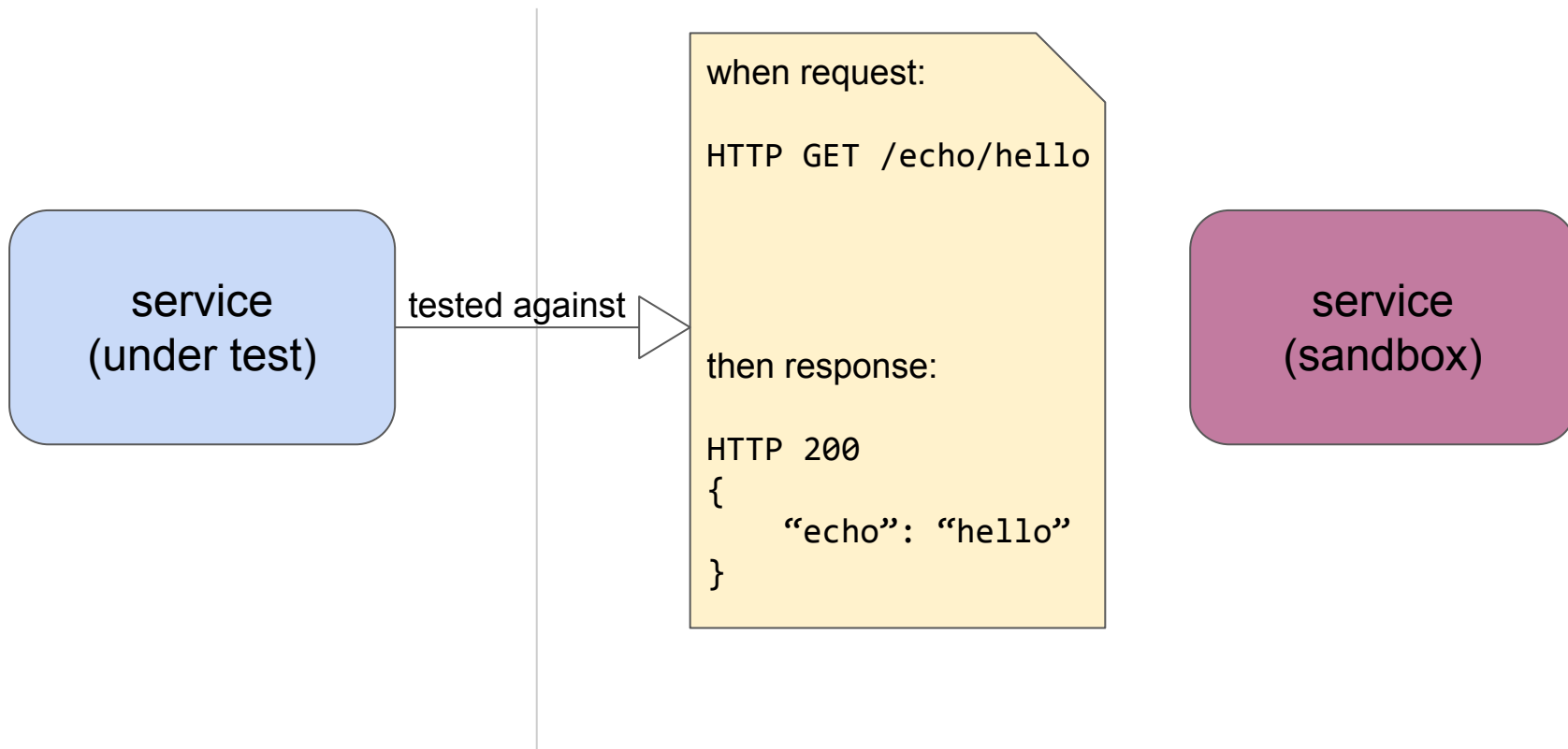
Single integration with third party - test double



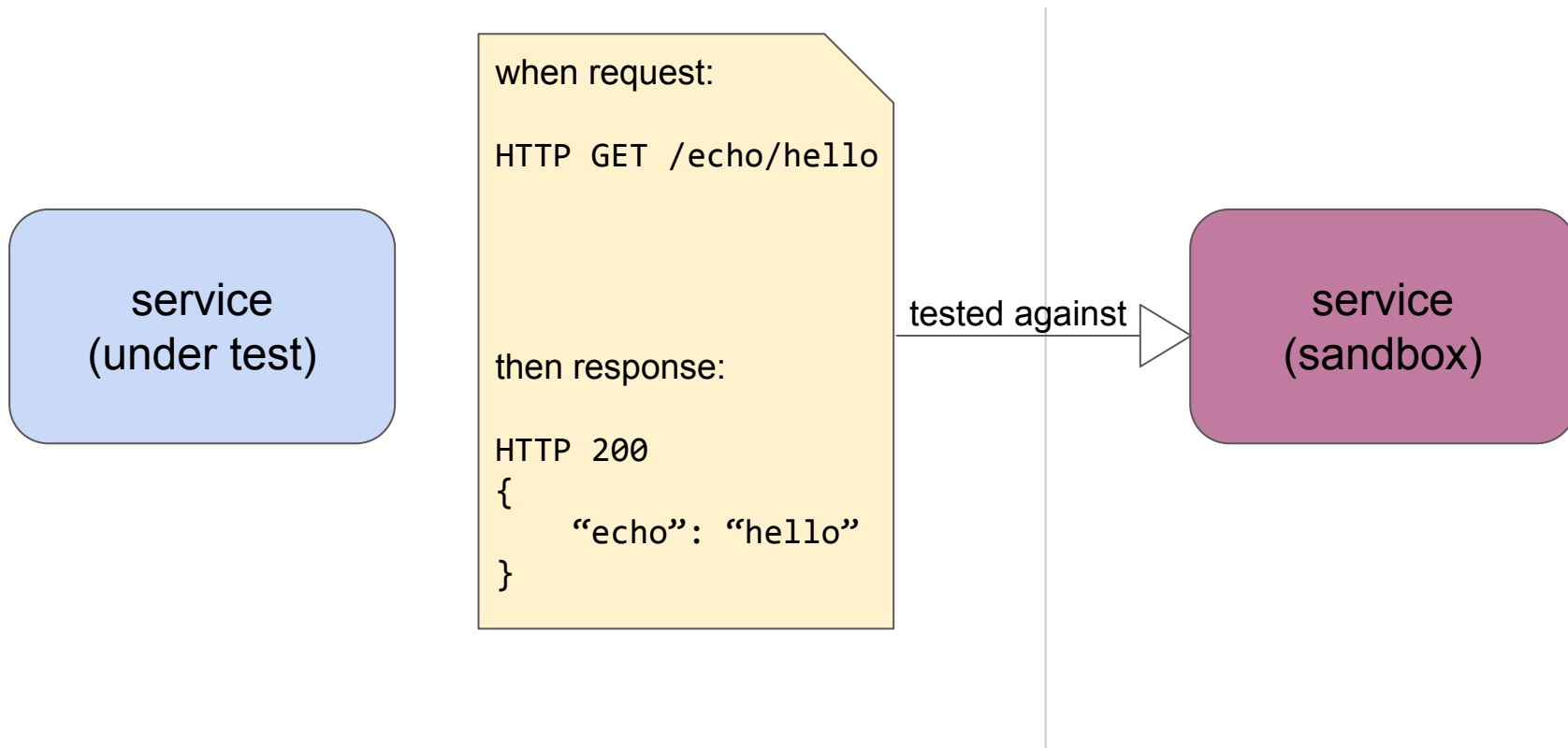
Single integration with third party - sandbox



Contract test - third party

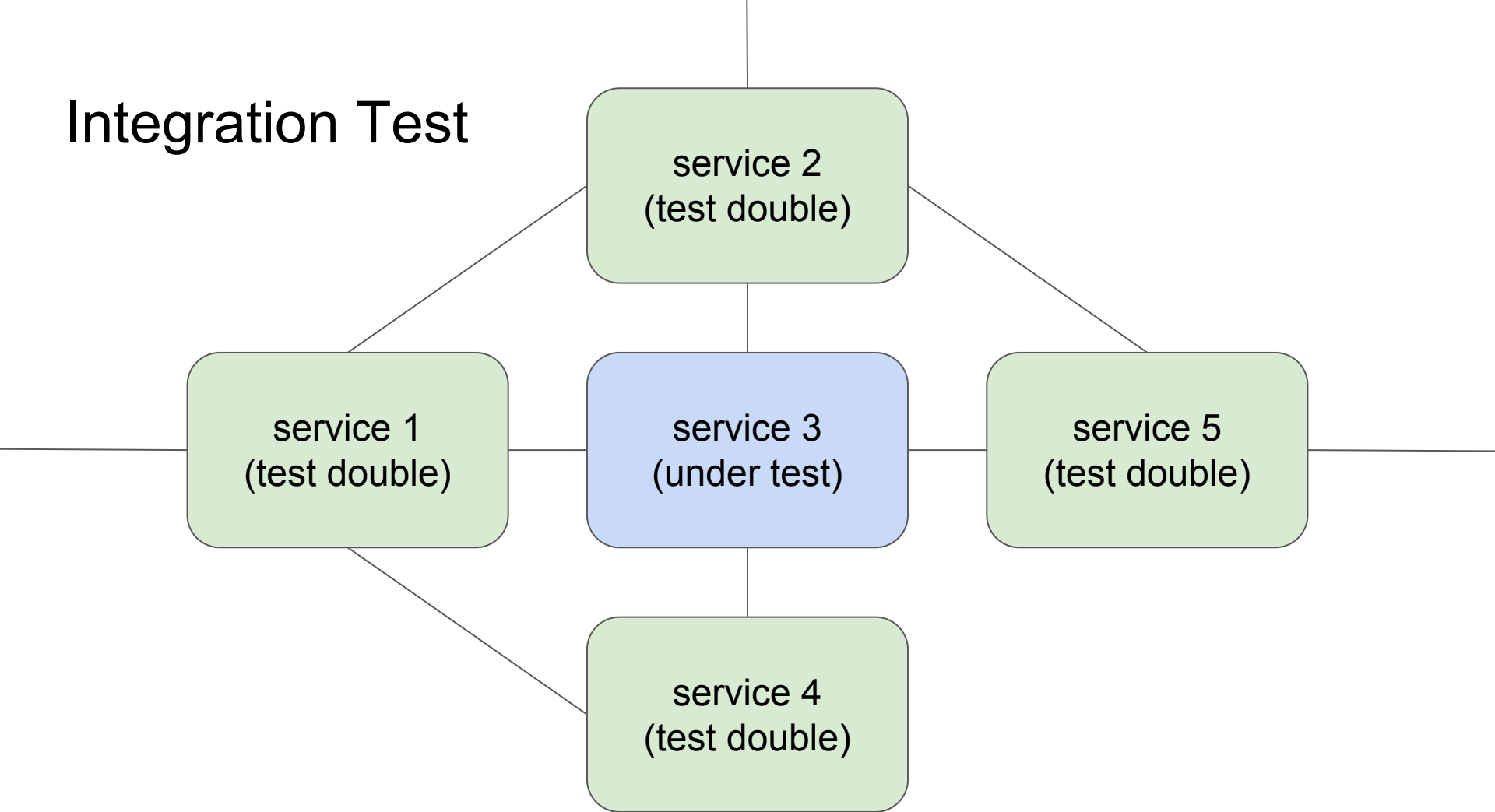


Contract test - third party

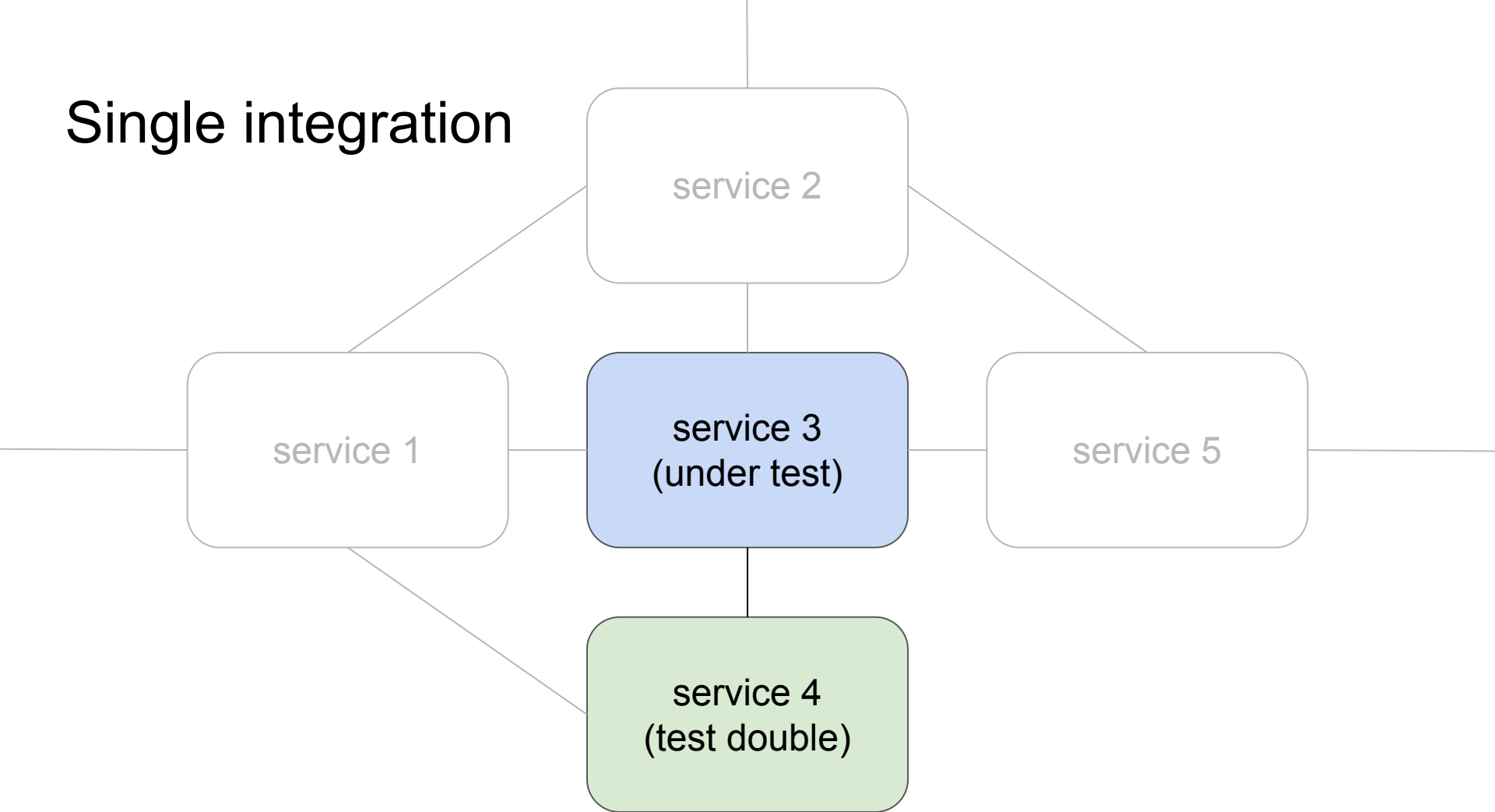


Why (not)?

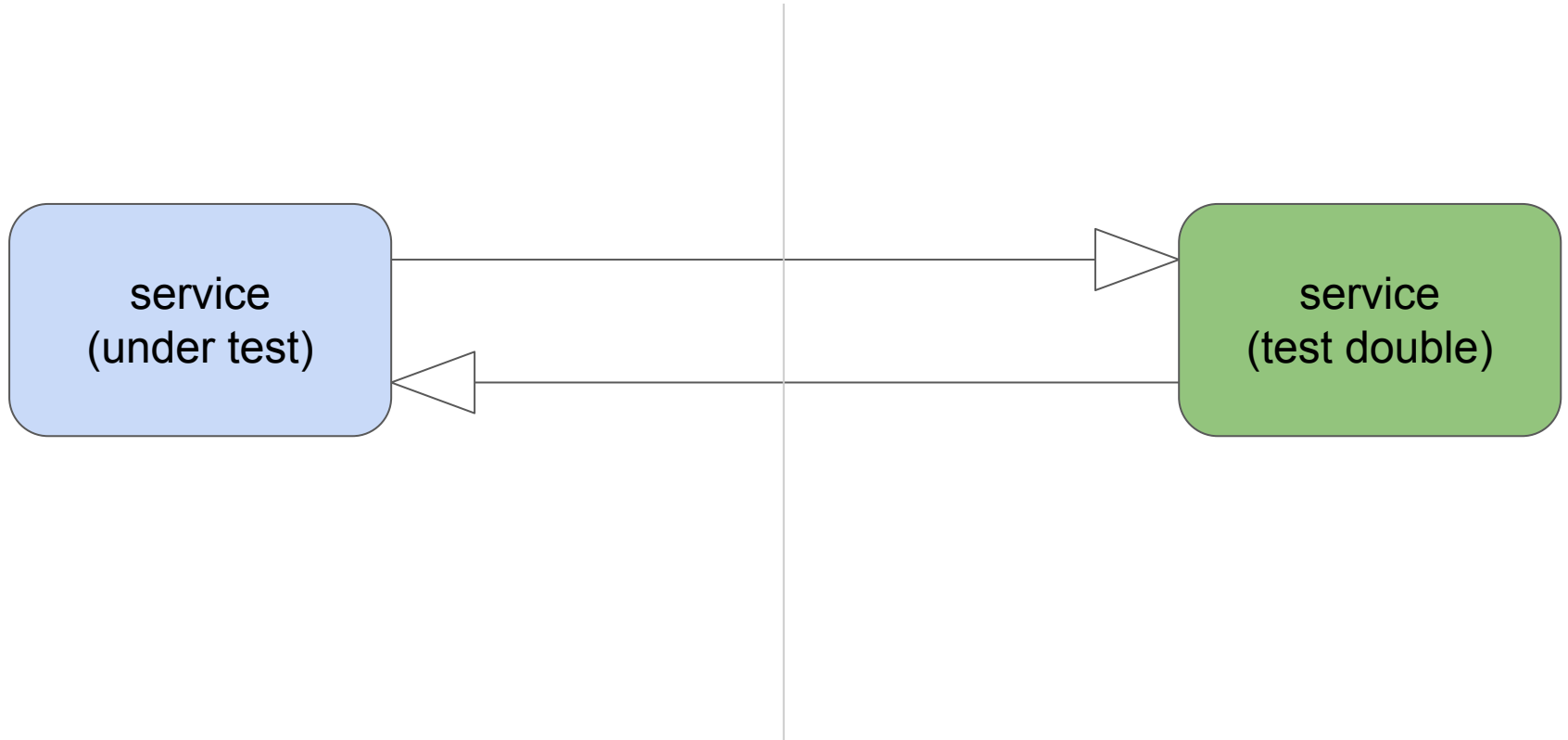
Integration Test



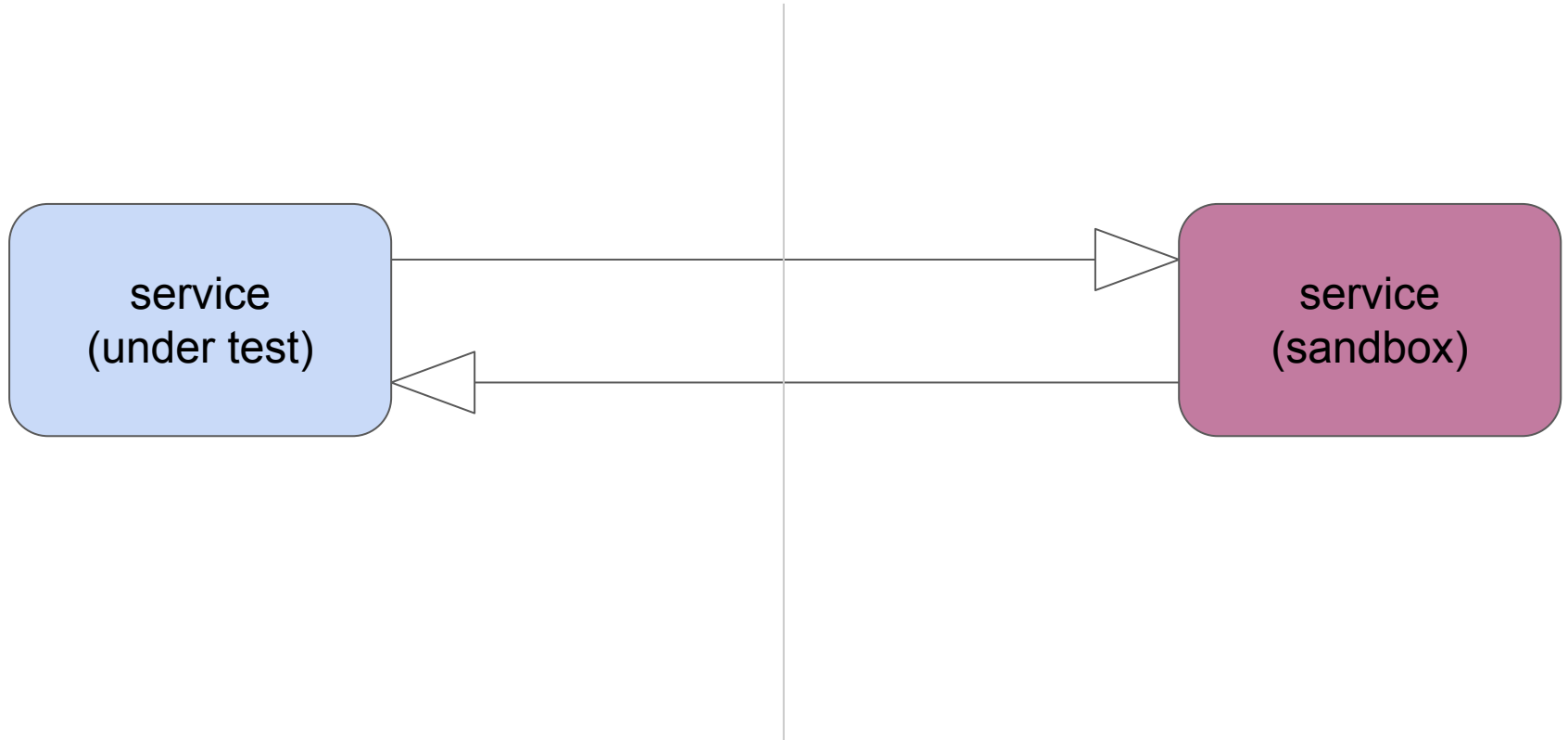
Single integration



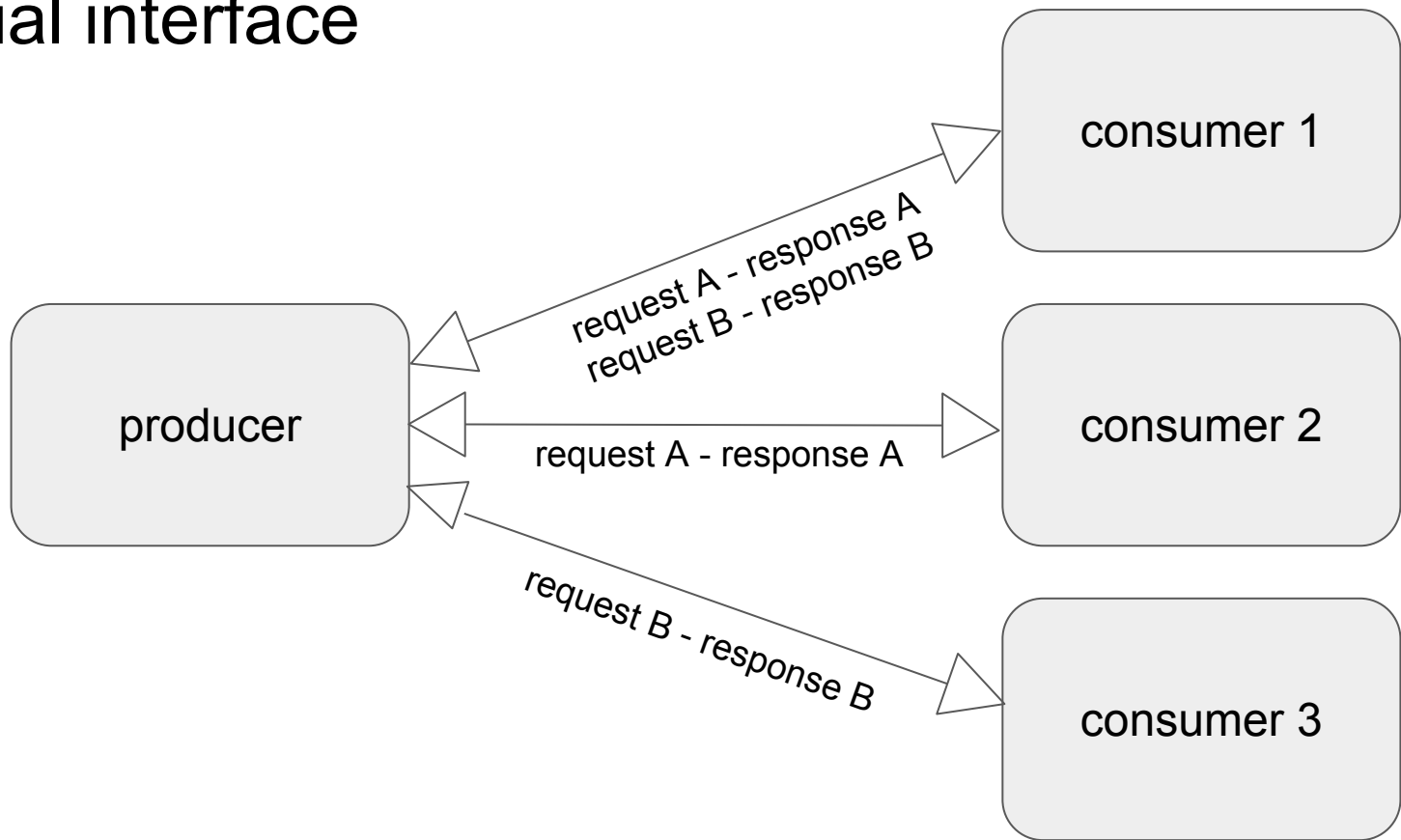
Single integration with third party - test double



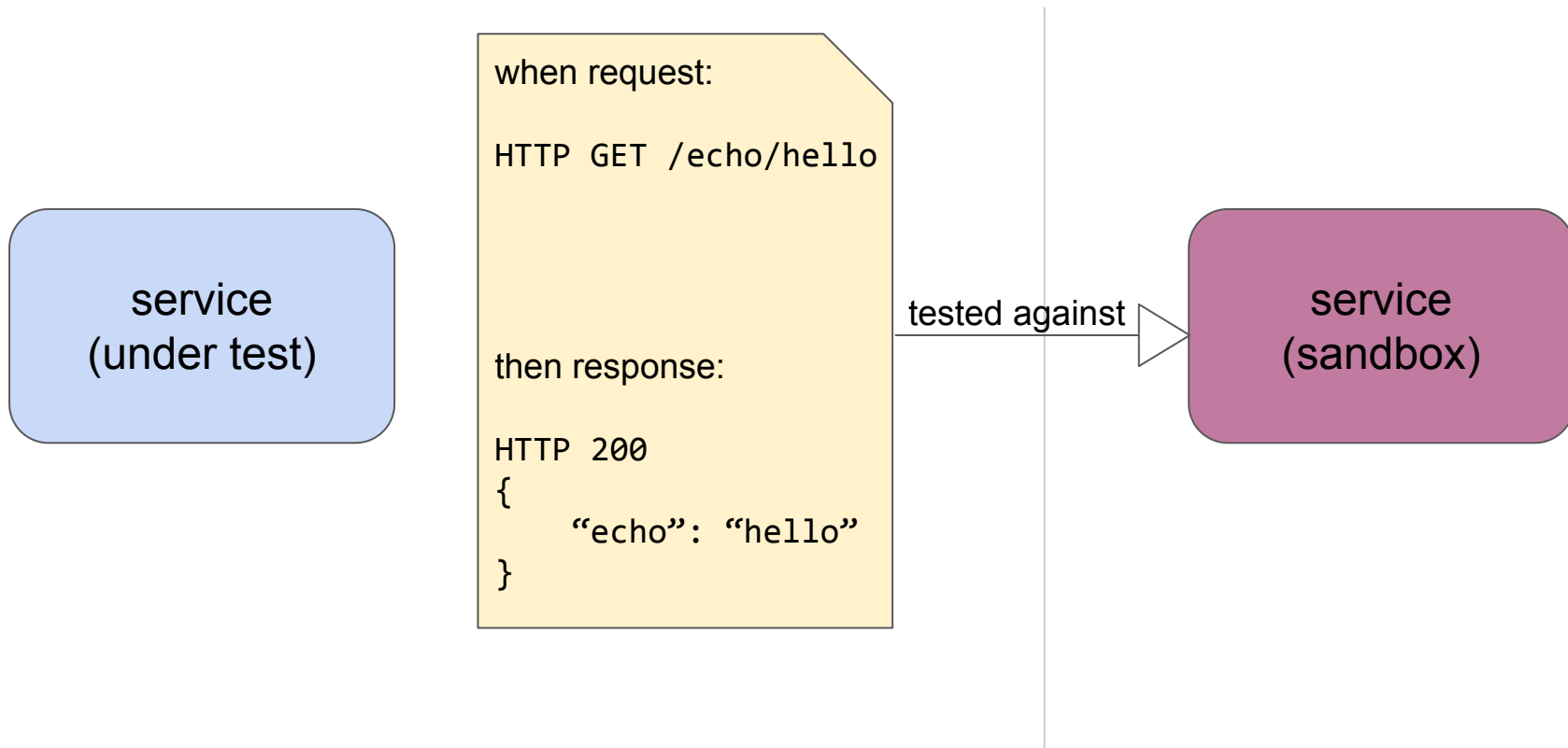
Single integration with third party - sandbox



Partial interface



Contract test - third party



Tools

Spring Cloud Contract

<https://cloud.spring.io/spring-cloud-contract/>

Pact

<https://docs.pact.io/>

Example

Java - shared contract

<https://github.com/mbryla/contract-testing>

Should we do it?

Q / A