'*Bonjour*' service use case

Fuse Engine

Routes

{REST}
(POST)

JSON > SOAP

JSON < SOAP

{"JSON"}

SOAP
(HTTP)
Endpoint
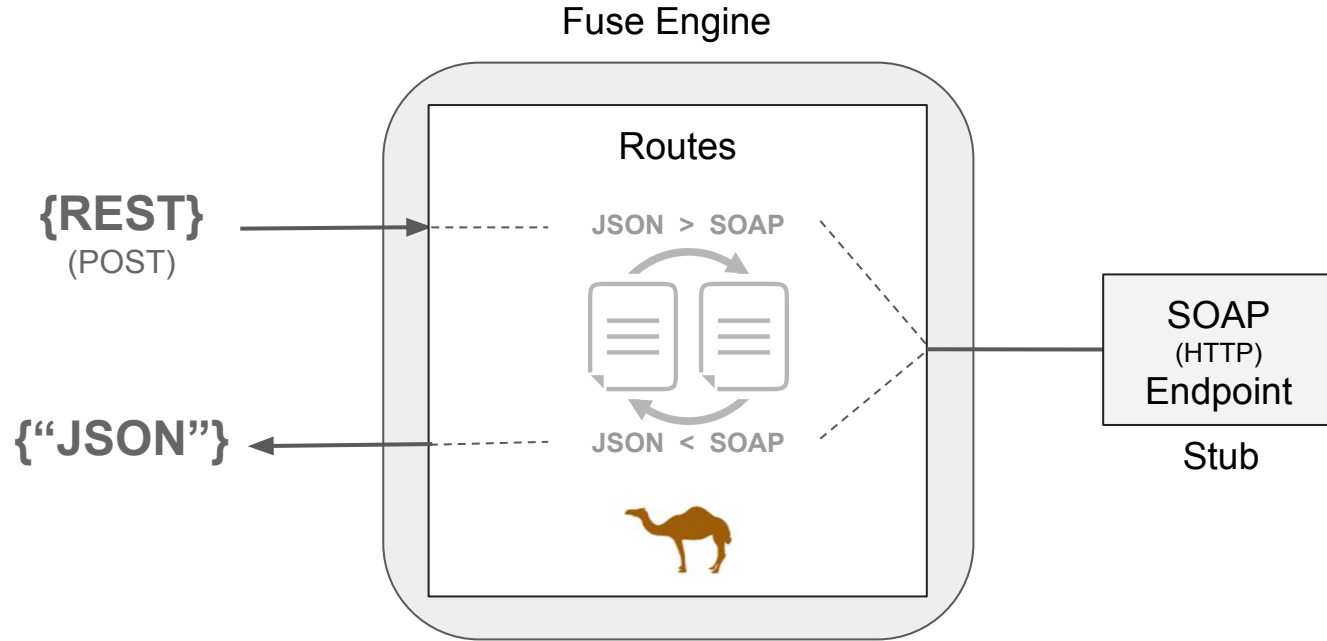
Stub

Automated WSDL to Java

Service definition

build time

Java class definition

'`learn.cxf.Bonjour`'
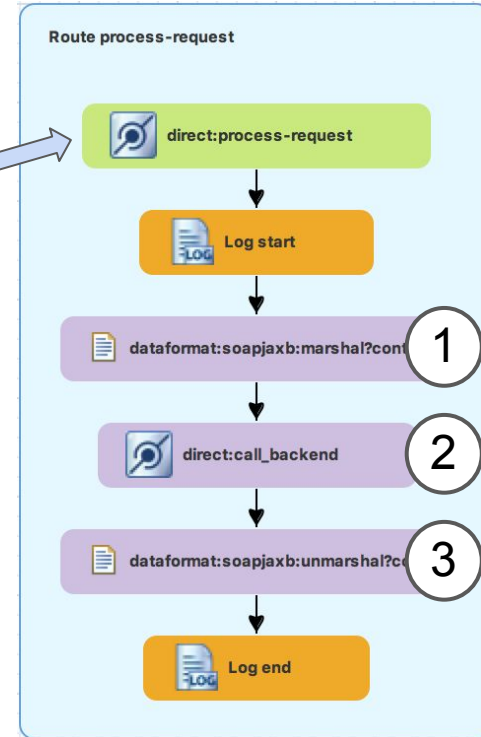
'Bonjour' service use case (JBoss Developer STUDIO)

Main Processing flow

```xml
<rest path="/say">
    <post uri        ="hello"
          type       ="learn.cxf.Bonjour"
          bindingMode ="json"
          consumes    ="application/json">

        <to uri="direct:process-request"/>
    </post>
</rest>
```

Route process-request

- direct:process-request
- Log start
- dataformat:soapjaxb:marshal?con... ①
- direct:call_backend ②
- dataformat:soapjaxb:unmarshal?c... ③
- Log end

① Render SOAP request

② Invoke SOAP backend

③ Parse SOAP response

Include Test Units to validate implementation

Routes

{"json":"true"}

JUnit assertions

```
<soap:Envelope>
    <soap:Body>
        <Json>true</Json>
    </soap:Body>
</soap:Envelope>
```

➔ Is the SOAP message valid?
➔ Is the body of type 'Json'?
➔ Is the JSON value 'true'?