PEtALS-SE-Helloworld

This document explain how to install configure and use the petals-se-helloworld JBI component.

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PEtALS-SE-HELLOWORLD

The Helloworld component is a sample of simple JBI service engine.

It is based on the CDK.

Chapter 1. Features

The Helloworld components acts only as provider of service and offers a unique service, the Helloworld service.
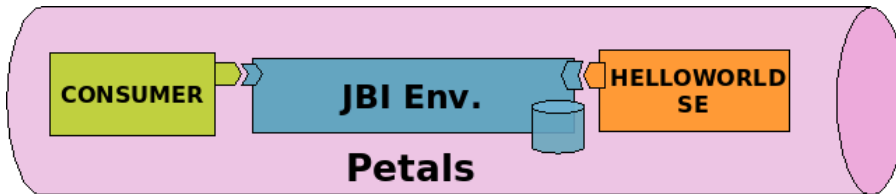
Two operations are provided by this service:

- **printMessage**: prints the incoming JBI message on the system terminal

- **sayHello**: sends back the incoming JBI message prefixed by a greeting message

Chapter 2. Service Configuration

2.1. Saying hello to the world

PROVIDE SERVICE : Expose helloworld operation to consumers

Figure 2.1. Provides Helloworld service

2.1.1. Service Unit descriptor

```xml
<?xml version="1.0" encoding="UTF-8"?>
  <jbi:jbi version="1.0"
    xmlns:helloworld="http://petals.ow2.org/helloworld"
    xmlns:jbi="http://java.sun.com/xml/ns/jbi"
    xmlns:petalsCDK="http://petals.ow2.org/components/extensions/version-4.0">
  <jbi:services binding-component="false">
    <jbi:provides
      interface-name="helloworld:Helloworld"
      service-name="helloworld:HelloworldService"
      endpoint-name="HelloworldEndpoint">

      <petalsCDK:wsdl>HelloworldService.wsdl</petalsCDK:wsdl>
    </jbi:provides>
  </jbi:services>
</jbi:jbi>
```

Table 2.1. Configuration of a Service Unit to provide a service (JBI)

Parameter	Description	Default	Required
provides	Describe the JBI service that will be exposed into the JBI bus. `Interface` (qname), `service` (qname) and `endpoint` (string) attributes are required.	-	Yes

Table 2.2. Configuration of a Service Unit to provide a service (CDK)

Parameter	Description	Default	Required
wsdl-imports-download	If false, the external imports declared in the service WSDL won't be downloaded, so they won't be replaced by their content.	True	No
wsdl	Path to the WSDL document describing services and operations exposed by the provided JBI endpoints defined in the SU. The value of this parameter is : • an URL • a file relative to the root of the SU package If not specified, a basic WSDL description is automaticaly provided by the CDK.	-	No
timeout	Timeout in milliseconds of a synchronous send. this parameter can be used in conjunction with the `sendSync(Exchange exchange)` method of the Listeners. Set 0 for an infinite timeout.	-	No
org.ow2.petals.messaging.provider.mode	Check PEtALS container document for further details. This propety activates the bypass of acknowledgment messages destinated to this SU.	-	No

For the two operations, the **MEP** you can use are :

• **printMessage** : InOnly, RobustInOnly

• **sayHello** : InOut, InOptionalOut