

# JiBX

## JiBX

### Available as of Camel 2.6

JiBX is a [Data Format](#) which uses the [JiBX library](#) to marshal and unmarshal Java objects to and from XML.

```
// lets turn Object messages into XML then send to MQSeries
from("activemq:My.Queue").
    marshal().jibx().
    to("mqseries:Another.Queue");
```

Please note that marshaling process can recognize the message type at the runtime. However while unmarshaling message from XML we need to specify target class explicitly.

```
// lets turn XML into PurchaseOrder message
from("mqseries:Another.Queue").
    unmarshal().jibx(PurchaseOrder.class).
    to("activemq:My.Queue");
```

## JiBX Spring DSL

JiBX data format is also supported by Camel Spring DSL.

```
<camelContext id="camel" xmlns="http://camel.apache.org/schema/spring">

  <!-- Define data formats -->
  <dataFormats>
    <jibx id="jibx" unmarshallClass="org.apache.camel.dataformat.jibx.PurchaseOrder"/>
  </dataFormats>

  <!-- Marshal message to XML -->
  <route>
    <from uri="direct:marshal"/>
    <marshal ref="jibx"/>
    <to uri="mock:result"/>
  </route>

  <!-- Unmarshal message from XML -->
  <route>
    <from uri="direct:unmarshal"/>
    <unmarshal ref="jibx"/>
    <to uri="mock:result"/>
  </route>

</camelContext>
```

## Dependencies

To use JiBX in your camel routes you need to add the a dependency on **camel-jibx** which implements this data format.

If you use maven you could just add the following to your pom.xml, substituting the version number for the latest & greatest release (see [the download page for the latest versions](#)).

```
<dependency>  
  <groupId>org.apache.camel</groupId>  
  <artifactId>camel-jibx</artifactId>  
  <version>2.6.0</version>  
</dependency>
```