

# domibusConnector Monitoring Interfaces

The domibusConnector framework offers functionality to publish basic monitoring information on different interfaces.

This is controlled by a property in your connector.properties file called „monitoring.type“. The monitoring information can be published by JMX or exposed as REST webservice or simply by database requests, resulting in the possible values „JMX“, „REST“ or „DB“.

e.g.: monitoring.type=REST

If no information is specified, then the domibusConnector chooses „DB“ as monitoring interface.

## REST Interface

To configure your national connector instance to expose its monitoring methods as REST service, the following configuration steps have to be done:

Add the following line to your connector.properties file: monitoring.type=REST

Add the following configuration to your web.xml file:

```
<servlet>
    <servlet-name>CXFServlet</servlet-name>
    <servlet-class>org.apache.cxf.transport.servlet.CXFServlet</servlet-class>
    <load-on-startup>1</load-on-startup>
</servlet>

<servlet-mapping>
    <servlet-name>CXFServlet</servlet-name>
    <url-pattern>/services/*</url-pattern>
</servlet-mapping>
```

The monitoring methods are afterwards exposed as a REST Service available under the following URL:

**http://Host:Port/NationalConnector/services/rest/monitor/**

These are the available methods (all monitoring methods expect an empty JSON Object as parameter):

Method	Return type
/getOutgoingRepeatInterval/	Long
/getLastCalledIncoming/	Long

/getLastCalledOutgoing/	Long
/getLastCalledCheckEvidencesTimeout/	Long
/getJobStatusIncoming/	String
/getJobStatusOutgoing/	String
/getJobStatusEvidencesTimeout/	String
/getRejectedConnectorMessagesCount/	Integer
/getNoReceiptMessagesGateway/	Integer
/getPendingGatewayMessagesCount/	Integer

This would be an example for a call on a local connector instance:

<http://localhost:8080/domibusConnector/services/rest/monitor/getPendingGatewayMessagesCount/>

## JMX Interface

The monitoring information can alternatively be configured to be accessed via JMX.

To configure your national connector instance to expose its monitoring methods as JMX service, the following configuration steps have to be done:

Add the following line to your connector.properties file: monitoring.type=JMX

Your Web application server must have an activated JMX port. Please read the according documentation for enabling it.

The JMX monitoring information is accessible by the following address after server start:

**service:jmx:rmi:///jndi/rmi://:Port/jmxrmi**

It offers the same methods as shown in the REST table above.