domibusConnector - Quick installation guide

Introduction

The domibusConnector will be shipped as a generic framework which needs to be integrated into a national implementation which must handle the parts with the national systems in the backend. As it is a framework, the domibusConnector does not have any runnable class or user interface

Structure

- ➢ Modules
  The structure of the domibusConnector framework is built by several modules, all represented by JAR libraries.
  - domibusConnectorCommon
    This module contains classes that are used across all the other modules.
  - domibusConnectorController
    This is the main module. It controlls the message handling, the timer jobs and also imports all the other modules.
  - domibusConnectorContentMapper
    Holds a generic interface called by the controller which must be implemented in a national implementation for content mapping from international to national format and vice verse.
  - domibusConnectorEvidencesToolkit
    Calls the EvidenceBuilder to generate the evidences.
  - domibusConnectorSecurityToolkit
    Calls the security library (WP4) to build and resolve the secure container.
  - domibusConnectorGatewayWebserviceClient
    Handles message building and transferring with the gateway backend webservice.
  - domibusConnectorNationalBackendClient
    Holds the interface that must be implemented by the national solution to change messages with the national backend.
  - domibusConnectorDistribution
    Holds all the other modules as JAR and sources JAR. As well holds documentation including this guide, database scripts and release notes. Also all external libraries which are part of the domibus project can be found there.
- ➢ Configuration
  They are all configured using one single property file which needs to be administrated by the top application in which the connector framework will be integrated. An example for a property file with comments can be found in the domibusConnectorCommon module.
- ➢ Database

The domibusConnector needs a database to persist informations on the messages transferred. The scripts to set-up the database can be found shipped within the domibusConnectorDistribution module prepared for MySQL and Oracle. Delta Scripts for new releases are always added to the scripts beginning with the version number of the release.

➢ Architecture

The domibusConnector is build as a maven2 multi-module project. As core concepts there are used Spring3 for middleware and JPA with Hibernate core for persistence.

Installation using Maven

When using maven the simple installation is to integrate the domibusConnectorController module as a dependency within your national implementation. All other modules will be imported by the controller. This can be done using the e-codex maven mirror under https://secure.e-codex.eu/nexus.
The following snippet shows the integration of the domibusConnector framework

```xml
<dependency>
        <groupId>eu.domibus.connector</groupId>
        <artifactId>domibusConnectorController</artifactId>
        <version>${domibus.connector.version}</version>
</dependency>
```

You only need to set the variable ${domibus.connector.version} as a property, or simply replace the variable by the fix value for the version.

Installation without Maven

You need to integrate all the above listed modules as JAR libraries into your national implementation. They can all be found in the domibusConnectorDistribution module shipped with the DomibusConnector.