IUCLID CONNECTOR
TECHNICAL DATA SHEET

© 2012 MOND Technologies — all rights reserved

IUCLID CONNECTOR

With the introduction of REACH for chemical substance regulations, a new data format, the IUCLID format, has been introduced. The related application, IUCLID5, was adopted by most of the chemical industry in order to prepare their Dossiers submission to the European Chemicals Agency (ECHA).

On the other hand, systems like SAP are widely used in the industrial world in order to manage the enterprise core processes like manufacturing and distribution. Looking only at chemicals companies, there are 700+ firms who have opted to implement SAP.

This raises the question, how the data consistency of substance data between IUCLID5 and other systems like SAP can be managed and secured. The data formats of the system are quite different, and a manual checking process poses a high risk of errors.

Therefore MOND Technologies developed the IUCLID Connector. This tool offers a dashboard, where substance data of IUCLID5 and another systems (most likely SAP) can be mapped and synchronized back to the source systems. The IUCLID Connector uses Web Services technology in order to Implement the connectivity to the involved systems.

Fig 1:IUCLID Connector

© 2012 MOND Technologies — all rights reserved

MAIN FEATURES

The IUCLID Connector takes care of the following functions between the IUCLID5 and any other system, which offers an interface like web services:

- Search and visualization of substance data of both systems in both involved systems
- Harmonizing substance data between both systems and writing the updates back to the source systems
- Temporary local storage of harmonized data, e.g. for validation purposes or because different experts need to be involved
- An easy, simple and intuitive cockpit web interface

TECHNICAL SOLUTION

A major driver for the design of the IUCLID Connector has been the decision to keep from a technical the solution close to the IUCLID5 system. Therefore the architecture of the IUCLID Connector is based upon a Java client, connected to a Java server application, which can be deployed either separately or even in the same container, where the IUCLID5 server application and the Web Services plugin are running.

The following technical components are required for the IUCLID Connector application on the server side:

- Databases: Oracle 10g or 11g, PostgreSQL 8 or 9
- Application Servers: Apache Tomcat 6 or higher, Oracle WAS 10 or 11, IBM WebSphere 7
- Operating System: Windows Server 2008, RedHat Linux XXX
- Java Runtime: J2SE 1.6 or higher

© 2012 MOND Technologies — all rights reserved

The client is realized like the IUCLID5 client and just requires a Java runtime like JRE 1.6 or higher. The client is supported on the following desktop operating systems:

- Windows XP and higher
- Mac OSX 10.6 and higher

The following picture outlines a typical implementation setup for the IUCLID Connector:

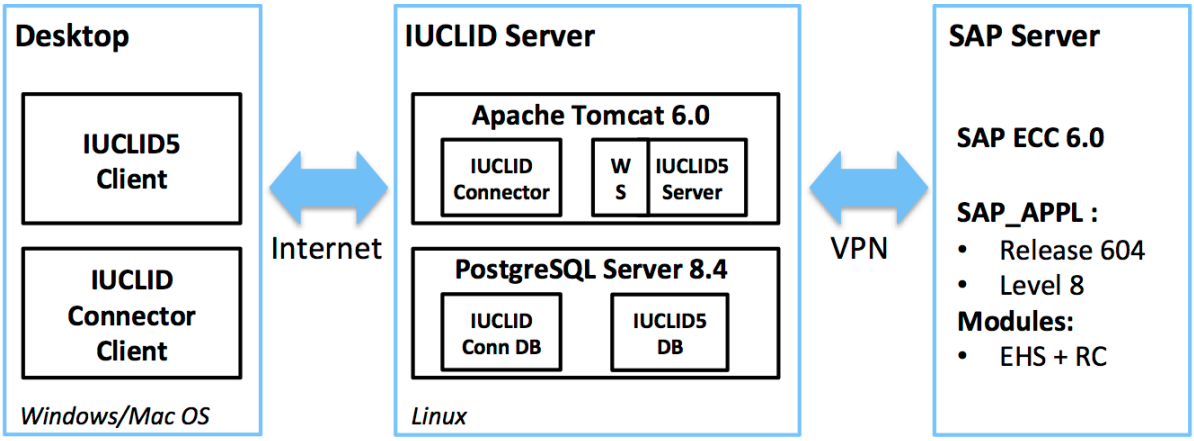

Fig 2: Example Implementation

ABOUT MOND TECHNOLOGIES

MOND Technologies has been founded in 2007 by a group of former Accenture IT experts with the focus on the delivery of intelligent business integration solutions. At the moment MOND Technologies has clients in Europe, which uses their IUCLID Connector and their SEPA (Single European Payment Area) Mapping solution.

The headquarters of MOND Technologies is in Valenciennes, France, from where the support and development of the solutions are managed.

© 2012 MOND Technologies — all rights reserved