Platform Design for the B2(B2B) Approach

Services and Domains

Impact and support of Fluid-WIN to the sector

Methods
Platform Services

Manufacturing Logistics Finance

M, L, F M, L, F L, F F

M = Manufacturing L = Logistic F = Financial

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Modelling Modules

Network modeller to model players and roles, workflows of the processes (defined in the FLUID-WIN B2(B2B) model)

Interdisciplinary service modeller to model documents circulating in the FLUID-WIN platform, views of the different players, services among all players (interdisciplinary services).

Platform Configuration and Customization

Describes:
- Services
- Functionalities
- Methods
- Workflow and set-up template
- Independent of companies
- Service specific

Specific concrete service incl. companies involved

Operating Service

- Actors’ definition
- Independent of service
- Company specific

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Network Model

Operating Service

Interdisciplinary Service Model

B2(B2B) Model Structure - Example

Network Modeller

User data management

Managing data via UI/F by system administrator

<table>
<thead>
<tr>
<th>Information Group</th>
<th>Information Element</th>
<th>Description</th>
<th>Sample</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Partner's Master</td>
<td>FSP Short Code</td>
<td>A short code to identify the FSP. Can be the SWIFT code used by banks in order to be unique.</td>
<td>HSBC-MT</td>
</tr>
<tr>
<td></td>
<td>Contact Details</td>
<td>Address and information details the company wants to display on FLWP.</td>
<td>Republic Street, Valletta, MALTA Tel: 00356 23802380 Web: <a href="http://www.hsbc.com.mt">www.hsbc.com.mt</a></td>
</tr>
<tr>
<td>User’s Master (ID, name, etc.)</td>
<td>First &amp; Second Name</td>
<td>Name of the user to be displayed in the different FLWP GUIs or message notifications.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Username and Password</td>
<td>Username and password assigned to the user as normal level of authentication (via HTTPS).</td>
<td></td>
</tr>
<tr>
<td>Security Mechanism (technical)</td>
<td>Log in Procedure</td>
<td>Description and string of initialization with login username, passwords and handshaking procedure.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fixed IP Address / Location</td>
<td>The IP address / location or path to query.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Public Key</td>
<td>Valid Public Key of the company, level of security and validity dates.</td>
<td></td>
</tr>
<tr>
<td>Standard’s Master</td>
<td>List of Incoterm Codes</td>
<td>List of valid Incoterm codes.</td>
<td>DAF, EXW, DDP, etc.</td>
</tr>
<tr>
<td></td>
<td>List of Currencies</td>
<td>Contains a list of international currencies, their names, symbols and short cuts.</td>
<td>Euro - € - EUR US Dollar - $ - DOL</td>
</tr>
</tbody>
</table>
Workflow & Report Template is composed from a set of:
- states
- transitions
- rights
- outgoing and incoming events
- functions
- notifications
- constraints

Associated type of document and configurable
→ ISM (Interdisciplinary service modeller)
Relationship between Platform and Gateway

Users access through the gateway to use services
Communications between platform and gateway via Web service

Managing Modules

Service engine takes care of workflow execution including message exchange.
User interface on Internet browser allows different players to interact with the platform.
• Management of all messages exchanged between B2B and legacy applications

• Processing and propagation of messages for the domain, and towards interested network players.

• Storing and updating the central repositories

• Managed by the administrator via User Interface
Standard Representation

Standard for data representation

- Universal Business Language (UBL 2.0) [http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=ubl]
- Corporate Banking Interbancario (aCBI) [http://www.acbi.it/default.asp]
- Transportation XML (tXML) [http://xml.coverpages.org/transportationXML.html]
Summary

- **B2(B2B) Model** allows to eliminate thousands of peer-to-peer interfaces
- Seamless, flexible and secure interoperability due to gateway concept
- Easy management of users and services by using Network Modeler and Interdisciplinary Service Modeler
- Effortless User Interface if no local legacy system is available

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