Improving OAGIS with Ontology Technology

Update – Oct. 8, 2009

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Status as of April 2009

- OAGi implemented the 2.01 version of these technologies in 2005

- This was OAGIS Release 9.0

- The Core Component specifications have been undergoing enhancements at UN/CEFACT

- OAGi and several of it's members are contributing to those efforts

- OAGi plans to implement these new technologies when they become available

Core Components, The Idea

- Sponsored by the United Nations
- Defines the basis for building business languages.
- Encourages all business languages to be based on same concepts.

UN/CEFACT
Core Component Technologies

- Naming and Design Rules (NDR)
- CC Technical Specification (CCTS)
- Business Data Type Catalog
- Unified Context Methodology (UCM)

- Creates common re-usable building blocks
  - o Template Data Constructs – Core Components – e.g. Party, Address, Organization
  - o Reusable logical/physical Data Constructs – called BIEs – e.g. Buyer_ Party, Seller_ Party
  - o Core Data Types, i.e. for "Amount, Code, Measure, Name, and Quantity"
  - o Business Messages, e.g. Order, Invoice, Financial Reporting
- Based on Semantic Definitions
  - o Clear rules on how to define semantics to explain what items mean
- Uses a Context Mechanism that controls how data constructs vary depending on the context
  - o e.g. By business process, business process role, industry, country/region, etc.
- Syntax neutral
  - o Can be used to define business documents OR business objects/databases
- Provides the heavy lifting for syntax specific representations
  - o XML Naming and Design Rules define how to map to XML Schema_
  - o XMI Profile for future UML2XML
  - o UML2EDIFACT for traditional EDI

- Click to edit the outline text format
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Status Update

- The CCTS V3.0 was ratified and completed last week in Sapporo at the UN/CEFACT Meeting

- So was the Business Data Type specification V3.0.

- The Naming and Design Rules was agreed to finalize, and is close to a formal specification

- OAGi participated in the implementation verification of these and issued a report

- Significant progress was made on the Context Methodology Specification is Sapporo as well

Status Update

- OAGi started working on the next generation version of OAGIS in August, 2009

- Week long kickoff meeting

- Weekly 3 hour teleconferences

- This version will be called OAGIS Release 10 or OAGIS X

OAGIS X

- Three year time frame (Approx)
- Cross Industry focus
  - Manufacturing, Automotive, Aerospace and Defense, High Tech, Chemical, Steel, Agriculture
- UN/CEFACT 3.0 Technologies
  - Naming and Design Rules
  - CCTS
  - Business Data Types
  - Context

OAGIS X

- Remodel all OAGIS Components in CCTS 3.0 format
- Do a complete content review fro consistency and completeness
- Take additional input from members to improve the data model
- Embrace the UNCEFACT Unified Context Mechanism (UCM)
- Enhanced Business Process Support

Questions?

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