OAGi Update to JPCA

Jim Wilson • President & CEO
Tokyo, Japan • 2018-05-22

OAGi
Open Applications Group

OAGi History

- Founded in 1994
- Developed architecture
- Documented processes
- Developed the world's most comprehensive canonical standard
- NIST Collaboration
- AIAG, STAR, HR-XML
- CIDX acquisition

- Syntax/schema story
  - Pre-XML
  - XML with DTDs
  - XML with W3C XML Schemas
  - JSON
- Naming and design rules
- AgGateway and JPCA Collaboration

OAGi
Open Applications Group

OAGi Present

- Collaborations
  - NIST
  - AgGateway
  - JPCA
- Staff
  - Jim Wilson, new CEO
  - Michelle Rascoe full time Executive Assistant
  - Michael Figura, trainer, consultant

- New Website
- Working Groups
  - Smart Manufacturing
  - OAGIS Profile for SMEs
  - Semantic Refinement and the SRT
  - AIA/EBO
  - Mobile/Cloud/JSON
- 10.5 development

OAGi
Open Applications Group

Semantic Refinement Working Group

- NIST coordinating development of the Semantic Refinement Tool (SRT)
- Implemented support for ISO15000-5 (UN/CEFACT Core Component Technical Specification 3.0)
- Examples of useful results
  - Improved OAGIS production process
  - Used by multiple members to profile messages for a specified context
  - Will explore use for Chem eStandards

OAGi
Open Applications Group

Mobile/Cloud/JSON Working Group

- Specifying a JSON expression of OAGIS instance documents as well as associated JSON schema for OAGIS to be implemented by the SRT
- Reviewing RESTful Web Services implementation guide submitted by ADP for publication as an OAGi specification
- Examples of useful results
  - None in production today, but we are very close
  - Several members report development plans that require JSON support

OAGi
Open Applications Group

AIA/EBO Working Group

- Provide a migration process for Oracle' AIA/EBO
- Prioritize work effort based on actual industry use
- Selectively convert to 10.x
- Examples of useful results and anticipated results
  - WorkOrder message released in 10.3 (plan for use in fertilizer blending order in agriculture)
  - Members plan to use Shipment, ShipmentPlan, ShipmentRequest, and Contract as soon as they are ready

OAGi
Open Applications Group

OAGIS Profile for SMEs Working Group

- Select messages most often used by SMEs and then create easy-to-comprehend profiles of them using the SRT

- May think of it as a "starter package"

- Anticipated useful results:

  – Large member companies can provide smaller trading partners a starter package to help them get started

OAGi
Open Applications Group

Smart Manufacturing Working Group

- The scope is to Develop a multi-tiered supply chain collaboration guideline and standard for engineered components to improve cost, quality, agility and more
- Anticipated useful results:
  - An enterprise view of related processes and the messages used in process, which can help with the development and maintenance of profiled messages across the enterprise

OAGi
Open Applications Group

- OAGIS 10 is widely used
- Examples include
  - Built-in support in Oracle applications
  - Elemica and Justransform support
  - Boeing use as enterprise canonical
  - Archer Daniels Midland use as enterprise canonical
  - Land O'Lakes use as enterprise canonical and with service providers (e.g., testing laboratories)
  - AgGateway considering use of the new WorkOrder message

OAGi
Open Applications Group

Global Chemical Company Use of EDI

Thanks to Elemica's Steve Daigle and Gary Neights for providing input on this topic.

Supplier Management

- Purchase Order Management
- Vendor Managed Inventory
- Delivery Forecast
- Global Supply Management
- Certificate of Analysis (CoA)
- Invoice Management
- Visibility

OAGi
Open Applications Group

Customer Management

- Sales Order Management
- Vendor Managed Inventory (VMI)
- Delivery Schedule
- Invoice Management
- Visibility

OAGi
Open Applications Group

Logitistics Management

- Transport Execution & Visibility
- Time Slot Management
- Terminal & Warehouse Visibility
- Freight Cost Management
- Visibility

Summary of Current State

- Incremental improvements over the past several years in the implementations of proven technologies in global chemical industry supply chain
- No breakthrough innovations
- Tight integration with solution providers such as Elemica and SAP
- But changes may be coming

OAGi
Open Applications Group

Changing Industry, Emerging Technology

- Accelerating mergers, acquisitions, divestitures, product spin-offs, etc.
- Blockchain
  - Unprecedented hype
  - Complex technology
  - Incredible potential

OAGi
Open Applications Group

OAGi Future: Starting Off

- Keep working hard in the current working groups
- Identify ways to work more efficiently across working groups

OAGi
Open Applications Group

Reduce the cost and increase the speed of integration by developing global, cross-functional, cross-industry, data-model-driven, and extensible standards and related resources, to meet the challenges of a rapidly-changing global digital economy.

OAGi
Open Applications Group

OAGi Future: 3-Year Strategic Objectives

1. Transform OAGi's resource-development process to be more responsive, quick, agile, etc.
2. Triple number of members and double membership revenue
3. Develop and follow a clear roadmap for OAGi resource development
4. Increase OAGi awareness and stature in targeted demographics
5. Promote the image of OAGIS as an international standard

OAGi
Open Applications Group

OAGi Future: Strategic-Objective Enablers

- Marketing & communications
  - Continue website improvements
  - Press releases; email campaigns
  - Selective speaking engagements
- Aerospace Council

OAGi
Open Applications Group

OAGi Future: Strategic-Objective Enablers

- OAGIS Production
  - On-premises
  - Cloud-hosted
  - Open-source
  - Tooling
    - GitHub
    - Confluence
    - JIRA
    - Email
  - Continuous delivery to draft

- SRT Improvements
  - Export to Excel
  - Import
  - Profile multiple instances of branch based on typeCode value
  - Implementation notes

OAGi
Open Applications Group

OAGi Future: Strategic-Objective Enablers

- Complete ISO fast-track
- OAGi → ANSI-ASC?
- Grant funding?
- Improve documentation (better tooling?)

- Relationship between data perspectives
  - Enterprise canonical
  - Enterprise data model
  - Ontologies
  - APIs
  - Master data
  - Reference data

OAGi
Open Applications Group

Emerging Use of Message Composition/Use Patterns

- Message created that is based on an OAGIS component (not BOD, not noun)

- Message that is extracted from a BOD

- Non-OAGIS content embedded in BOD (MIMOSA-content example)

- Bundling multiple messages together (Dispensing Work Order)

OAGi Plenary Meeting Pattern

- Two plenary meetings a year
- April meeting hosted by the United States National Institute of Standards and Technology in the Washington, DC area
- November meeting hosted by Oracle in the San Francisco area
- Anyone may attend
- JPCA is always welcome to present an update

OAGi
Open Applications Group

OAGi Plenary Meeting: April 2018

- Hosted by NIST
- Celebrated David Connelly's retirement
- Jim Wilson shared vision of OAGi's future
- Working group discussions
- Land O'Lakes presentation on the application of IoT in a grain traceability project
- Prioritized future activities

OAGi
Open Applications Group

- NIST did a great job planning, promoting, and leading the event
- Monday plenary session
- Tuesday breakouts
- Great attendance
- Great discussion
- Cautious optimism

OAGi
Open Applications Group

OAGi Plenary Meeting: November 2018

- Hosted by Oracle at their Redwood City, California, USA headquarters (San Francisco area)
- Date TBD (to be determined), but should be announced soon
- Again, JPCA is welcome to attend and present an update
- We plan to promote this meeting more than in past years

OAGi
Open Applications Group

Thank You

OAGi
Open Applications Group