Open Applications Group

NIST OAGi Meeting
Opening Plenary
April 12, 2017

22 Years of Connecting Enterprises
Thank You to NIST for Hosting our OAGi Meeting
Open Applications Group

Anti-Trust Policy

“By participating in this meeting, you acknowledge that you and the company you represent accept the OAGi Anti-Trust Guidelines and the OAGi IPR Policy. Details of these policies and guidelines are available on the OAGi website at www.oagi.org.
Welcome and Introductions
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am - 9:30 am</td>
<td>Registration and Coffee</td>
</tr>
<tr>
<td>9:30 am - 9:30 am</td>
<td>Opening Plenary&lt;br&gt;This session updates the audience on OAGi business status and technical initiatives.&lt;br&gt;David Connelly, OAGi</td>
</tr>
<tr>
<td>9:45 am - 10:00 am</td>
<td>NIST Keynote&lt;br&gt;Speaker TED</td>
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<tr>
<td>10:00 am - 11:00 am</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>11:00 am - 11:15 am</td>
<td>Quality Content WG Update&lt;br&gt;Scott Nieman, Land O'Lakes, Evan Wallace, NIST, Frank Riddick, NIST</td>
</tr>
<tr>
<td>11:15 am - 12:00 pm</td>
<td>Smart Manufacturing Working Group Review&lt;br&gt;Nenad Ivezic, NIST and Boonserm Kuvahtanyak, NIST, Hyunbo Cho</td>
</tr>
<tr>
<td>1:00 pm - 1:00 pm</td>
<td>Lunch Break</td>
</tr>
<tr>
<td>1:00 pm - 1:15 pm</td>
<td>Mobile, Cloud, JSON Working Group Review&lt;br&gt;Mike Rowell, Grade, Scott Nieman, Land O'Lakes, Jim Wilson, AgGateway, OAGi</td>
</tr>
<tr>
<td>1:45 pm - 2:15 pm</td>
<td>Semantic Enhancement Working Group Review&lt;br&gt;Boonserm Kuvahtanyak, NIST and Mike Rowell, Grade</td>
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<tr>
<td>2:45 pm - 3:30 pm</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>3:30 pm - 4:00 pm</td>
<td>AIA EBO WG Update&lt;br&gt;Scott Nieman, Land O'Lakes, Jeff Rice, Boeing Casey Hightley, ADI, Mike Rowell,</td>
</tr>
<tr>
<td>4:00 pm - 5:00 pm</td>
<td>Using the EBO's to build two new Nouns&lt;br&gt;Jeff Rice, Boeing</td>
</tr>
<tr>
<td>4:45 pm - 5:30 pm</td>
<td>Question and Answer with OAGi Staff</td>
</tr>
<tr>
<td>5:30 pm - 6:00 pm</td>
<td>Matters Arising and Close</td>
</tr>
<tr>
<td>8:30 pm - 9:00 pm</td>
<td>Casual Dinner Together = Optional</td>
</tr>
</tbody>
</table>
Thursday, April 13, 2017

Open Discussion – Bring Your Questions, Comments, and Suggestions
David Connelly and Mike Rowell review the current OAGi Technical Programs and answer your questions in an Open Feedback Session

Coffee Break

Open Discussion – Bring Your Questions, Comments, and Suggestions
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Day Over
OAGi Contributor Awards Ceremony

• Outstanding Contributor Award
• Outstanding Contributing Organization Award
• Developed and approved by the OAGi Policy Board and OAGi Staff
Outstanding Contributor Award

• The OAGi Individual Recognition Program is focused on showing appreciation for the participation and contributions made by any organizational member and their participants.

The program includes:

– Individual level recognition at a market/global level
– Plaque and/or “display case” level awards
– Plenary meeting level recognition
– OAGi website recognition
– OAGi newsletter recognition
– Blog, Facebook, LinkedIn and Twitter components
Outstanding Contributor Award

Scott Nieman, Land O’Lakes
Enterprise Integration Architect
Scott Nieman
Enterprise Integration Architect
Land O’Lakes

- Joined OAGi in 2014
- Leads Quality Content Working Group
- Helped secure the Oracle contribution of Core EBOs
- Leads the AIA EBO Working Group
- Contributes to the Smart Manufacturing Working Group
- Coordinates AgGateway interactions with OAGi along with Jim Wilson their Standards Director and an OAGi Staff Member
- Contributes to the Semantic Working Group
- Contributes to the Mobile and JSON Working Group
- Provides member leadership and much energy
Congratulations Scott!
And Thank You!
OAGi Membership Now

- ADP
- AgGateway
- Automotive Industry Action Group (AIAG)
- Amber Road
- Archer Daniels Midland
- Austen Consultancy
- Boeing (Board member)
- Bright3 AB
- Cisco
- Command Alkon
- Data Communication Solutions
- DBI Poland
- E2open
- EDIFICE
- Emerson
- Etail Solutions
- GEFEG
- HR Open Standards
- iBASEt
- Infor (Board member)
- ISA
- Japan Petrochemical Association
- Justransform
- Land O'Lakes
- Liaison Technologies
- London Drugs
- NIST
- OASIS
- Odette
- OpenText
- Oracle (Board member)
- SAA Consultants
- Grupo Sancor Seguros New!
- Standards for Technology in Automotive Retail (STAR)
- Trisotech
- MESA
OAGi Staff and Contractors

**Employees**

David Connelly  
CEO  
dmconnelly@oagi.org  
+1 770 331 8636

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Business Manager  
mrascoe@oagi.org  
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**Contractors**

Jim Wilson  
OAGi Chemical Industry/Ag Council Architect  
jwilson@oagi.org  
+1 (816) 525-2000

**Loaned Staff**

Mike Rowell  
Chief Architect  
(part-time on loan from Oracle)  
mrowell@oagi.org or mrowell@oracle.com  
+1 704 630 6914
Open Standards that Open Markets

JSON NDR and REST API Design Guide

OAGi JSON Schema Naming and Design Rules (NDR) and REST Usage Design Guide

Authors:
Michael Rowell, Oracle, OAGi
David Connelly, OAGi

Contributors:
Scott Nieman, Land O’Lakes
Steffen Fohn, ADP
Frank Heinrich, iBASEt
Kurt Kanaskie, Invited Expert

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JSON NDR and
REST API Design Guide

• JSON Schema Decision
• Develop mapping from XML Schema to JSON Schema
• Decision to generate JSON Schema from Semantic DBMS
• NDR to be further updated
• Guidelines to generate RESTful API’s
OAGi Working Groups

- Semantic Refinement and Tooling WG
- AIA EBO Migration WG
- Smart Manufacturing WG
- Mobile, Cloud, JSON WG
- Quality Content WG
- Chem eStandards Maintenance WG
Current Release OAGIS 10.3

- Released in April, 2017
- New Quality Content nouns
- New Work Order Noun
- Bug fixes
- OAGIS 10.3 is backwardly compatible with all OAGIS Release 10.X versions.
OAGIS Repository Release 1.0

- SQL DBMS Repository of OAGIS content
- Based on OAGIS Release 10.3
- Available to members only
- On Google drive
- Next Friday a Next meeting to show how to install
OAGIS® 10.3 Scope

- **eCommerce**
  - e-Catalog
  - Price Lists
  - RFQ and Quote
  - Order Management
  - Compliance
  - Purchasing
  - Invoice
  - Payments
- **Manufacturing**
  - Engineering
  - MES
  - Shop Floor
  - Plant Data Collection
  - Conformance
  - Warehouse Management
  - Quality
- **Logistics**
  - Orders
  - Shipments
  - Routings
  - Tracking
- **CRM**
  - Opportunities
  - Sales Leads
  - Customer
  - Sales Force Automation
- **ERP**
  - Financials
  - Human Resources
  - Manufacturing
  - Credit Management
  - Sarbanes/Oxley & Control

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JSON Based Integration

Windows 7 Phones
IPhones, iPads
Android Devices
Blackberrys

XML Based Integration

EDI and XML Based Integration

Cloud Service Broker

Application to Application Integration

Firewall

Customer One

Service Provider

Customer Two

Supplier Two

Supplier One

- Customer Service
- Sales Orders
- Inventory Availability
- Employment
- Receiving
- Plant Data Collection
- Etc.
OAGIS 10.4 is Coming!

- Contract
- Second generation EBO based enhancements
- Planned for year-end 2017
Current OAGi Standards

- OAGIS 10.0, 10.1, 10.2.1, 10.3
- OAGIS Release 9.6.1
- OAGIS 9.X Naming and Design Rules
- JSON NDR and REST API Design Guide
- Data Management Guide
- Confirm BOD Usage
- Get/Show Usage guide
- Chem eStandards Use Report
- Chem eStandards Business Process Guidelines
## Country Representation Website Registrations

<table>
<thead>
<tr>
<th>Continent</th>
<th>Number of Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa</td>
<td>12</td>
</tr>
<tr>
<td>Asia</td>
<td>17</td>
</tr>
<tr>
<td>Australia/Oceana</td>
<td>4</td>
</tr>
<tr>
<td>Europe</td>
<td>40</td>
</tr>
<tr>
<td>Middle East</td>
<td>8</td>
</tr>
<tr>
<td>North America</td>
<td>7</td>
</tr>
<tr>
<td>South America</td>
<td>11</td>
</tr>
<tr>
<td><strong>Total Registrations</strong></td>
<td><strong>99</strong></td>
</tr>
</tbody>
</table>
Who Uses OAGIS?
How we find out who uses OAGIS

From: paul_xxxxxxxxx@arnotts.com
To: Dave Chambless
Cc: David Connelly; joe_jr_xxxxxx@campbellsoup.com;
paul_xxxxxxxxx@arnotts.com
Subject: RE: Campbell Soup and the Open Applications Group

Hello Dave,

Thanks for the invitation to join OAG. At Campbells Asia Pacific (I am based in Sydney, Australia) we have already adopted OAGIS as our message content schema (canonical form) in our EAI projects. We are a Tibco shop, and leverage the toolset for both B2B and A2A integrations. We reviewed ebXML for the initial B2B integration with a 3PL that was our first EAI project, but since the particular trading partner in question did not have a messaging framework in place enabling the infrastructure level interoperability, we leveraged the default Tibco framework (tibXML) as the most appropriate alternative because it is simpler to implement and to deploy and was sufficient for the 3PL integration.

The principle we've adopted is that all messages hitting the Tibco message "bus" will be mapped into a standard "canonical" XML content schema - OAGIS - to ensure future reuse of any data published on the bus.

We found OAGIS supported most of the B2B transactions we needed for 3PL...
Some Industries Supported by OAGIS

- Aerospace
- Automotive
- Agriculture
- Chemical
- Service
- High Tech
- Military
- Metals
- Discrete Manufacturing
- Government Agencies
- Life Sciences
- Retail Supply Chain
- Shipping
Other Industry Adoption Examples

- Telia Sonera
- Land O'Lakes
- US Steel
- Merck
- Ingersoll Rand (Ireland)
- IBM
- National Bank of Abu Dhabi
- UK Ministry of Defence
- General Electric
- SKF (Sweden)
- Black and Decker
- Campbell's Soup (Australia)
- Staples
- Woolworths (Australia)
- British and American Tobacco
- Siemens
- Johnson and Johnson
- Engelhard
- Cargill
- Emerson
- Agilent
Some OAGi Registrations
3D Printers operating in enclosed spaces, like homes and offices, produce fumes and concentrations of Ultrafine Particles (UFPs). These emissions can cause runny noses, irritate the throat, lungs, and head, and create long-term health problems. 3DPrintClean filtration systems enable 3D printing in PLA, ABS, HIPS and other media, without external ventilation. In addition to the health benefits, enclosed printing environments reduce warping, curling, cracking and noise.

Underwriters Laboratories Teams Up with Georgia Institute of Technology and Emory University’s Rollins School of Public Health, to Examine 3D Printing’s Effect on Air Quality & Human Health

- Powered heat sync protects printer from overheating by removing excess heat
- Recirculating ultra fine particle and fume filtration
- Adjustable filtration speed, reduces noise in quite environments
- Door lock, protects children from hot parts and restricts unauthorized access
- Sealed build chamber, reduces warping, curling, cracking and noise
- Top, front, back and side doors for unobstructed printer access
- Optional spool holder
- Solid construction protects printers from accidental impact

Add on accessories coming soon: Automated fire suppression, thermal cutoff, LED lights, heat kit.
SMART TRANSPORTATION ADDRESSES RECORD COMMUTE TIMES

IoT-enabled vehicles and roadways give us what we crave the most: Time.

PLAY VIDEO: INTELLIGENT TRANSPORTATION SYSTEMS

SEE HOW WEARABLES CAN CHANGE THE WAY YOU DRIVE
Welcome

BW Systems was started in 1997 focused on UL508A Listed Panel Assembly and Construction. In 2003 we expanded to offer Systems Engineering, design services, and system field service. With our most recent physical expansion, we’ve increase our ability to service large scale panel projects and entire machine staging and testing opportunities.

Who We Are

BW Systems is a Control Systems Integrator and UL Panel Shop. Our staff has the knowledge and skills to deliver results which meet and exceed expectations.

What We Do

With our in house design, engineering, and construction, we are able to accommodate our customers with whatever they need.

Virtual Services

Review your projects remotely with our web-based camera system. Add in descriptive text about the robotic services provided for project review.
Online Backup

Im Shop bestellen und gleich benutzen

Product overview
An attractive offer of various domain, web, mail and backup solutions are now available directly in the shop and in 15min online.

.ch domain moving
Fast and free
- From 2015 SWITCH does not manage domains anymore.
- Now move to rhone.ch without interruption.

Glass fiber
Up to 1 Gbps
- Ultrasonic internet access
- Telephony with the highest voice quality
- Television with additional functions
- Home and Teleworking with high efficiency

Swiss domain
Register now
Enterprise Business Applications Are Hard

WE CAN HELP

LEARN MORE
BRAND AFFINITY THROUGH CUSTOMER CENTRICITY
Consumers Drive Key Digital Shift in Retail
Developing the Next Generation of Connected Offerings in Atlanta

Making customers connected, safe, productive and secure, Honeywell will house its state-of-the-art software center and Home and Building Technologies global headquarters at 715 Peachtree in Midtown Atlanta.
Deeper collaboration business process implementation has brought clear cost savings to our operating expenses especially in maintenance.

Connect your partners!

Your company is in the middle of the network of your industry partners. Collaxion technology and services help your network to maintain and optimize efficiency of operations and save transactional costs through business digitalization. The Collaxion™ platform is the core of the information brokering services. It facilitates effective business communication and data and documents exchange capability in investment projects and daily maintenance.

What's new

Digitalization revolutionizes Operation & Maintenance

— Posted October 18, 2016 in Published articles by Arto Martinen


Digitalizing process industry plant lifecycle businesses
The Collision Industry landscape is constantly changing. CIECA's complimentary whitepapers and executive briefings help make sense of this environment.

Review CIECA's Complimentary Whitepapers and Executive Briefings
Related Searches: ozone water purifier ozonator ozone generator water filter uv water purifier no water purifier

Price: min - max
Sort by: Best Match | Orders | Newest | Seller rating | Price

2016 Household water filter Double filter core countertop faucet water filter Ceramic and compressed activated carbon filter

US $53.99 / piece
Free Shipping

In-Line Shower Filter Softener Chlorine Removal Water Purifier For Home Bathroom Kitchen For Health

US $11.00 / piece
Free Shipping
Edenred launches #Edenstep, a graduate program that offers 24 months of professional experience! 

https://t.co/6ZSOGCA6s
AYPL Consulting (the IPL Consulting) - a consulting company created by experts with years of experience in the business processes of reform and implementation of corporate information systems in organizations and enterprises of Russia and CIS. We provide a full range of management consulting services, as well as installation, maintenance and technical support for Infor solutions.

Activities:

» **Development and implementation of business processes** based on industry best reference models. The projects are implemented on the basis of ERP Infor LN system, using industry-specific solutions for companies with discrete design and the type of production;

» **Construction of the integrated performance management system** of the enterprise on the basis of solutions Infor I/d EPM. Creating business planning, budgeting, forecasting, financial consolidation and business intelligence for companies of medium and large businesses in various industries;

» **Formulation and implementation of supply chain management processes** (Supply Chain Management), including the application of LEAN principles and tools ("Lean") in production and logistics, corporate logistics centralization of functions and system of classification and coding;

» **Automation of distribution centers and complexes** mnogoskladskimi based solutions Infor SCM WM.

IPL CONSULTING

- Management consulting for industrial enterprises
- More than 10 years of successful experience in implementation of corporate information systems
- A team of professionals with a deep knowledge of industry specifics

SEND INQUIRY
Diretor das Unidades de Pesquisa diz que MCTIC negocia realização de concurso público

2017-02-03 19:07:35

Em reunião no auditório do Instituto Nacional de Tecnologia (INT), nesta quinta-feira (2/02), o diretor de Gestão das Unidades de...
What’s your FICO® Credit Score?

Find out now when you check your Credit Report for $1

✓ Checking your own credit will NOT lower your Score
✓ 90% of top lenders use FICO Scores
✓ Toll-free support available 7 days a week

Get your Credit Report and FICO Score

IMPORTANT INFORMATION

When you order your $1 Credit report and FICO® Score 8, you will begin your 7-day trial membership in Experian CreditWorks®. If you don’t cancel your membership within the 7-day trial period*, you will be billed $21.95 for each month that you continue your membership. You may easily cancel your trial membership online anytime within the trial period without charge.

Credit score calculated based on FICO® Score 8 model. Your lender or insurer may use a different FICO Score than FICO® Score 8, or another type of credit score altogether. Learn More

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January, 2017
CASE STUDY

Indonesian cement plant ensures continued production with upgrades to Symphony Plus Control System

→ Learn more
Working smarter, together is increasingly important in the health sector. Effective solutions that can be developed and shared between District Health Boards are required to meet the rising demand for healthcare and cost of new clinical equipment.

Together we can make a difference. That’s why the country’s 20 DHBs created NZ Health Partnerships. Working with the DHBs, NZ Health Partnerships identifies and builds shared services for the benefit of the health sector. And by thinking, acting and investing collaboratively, DHBs can achieve greater benefits than they would by operating independently.
Get a grip on Contingent Workforce

The staffing process for contingent workers often takes precious time. We offer an integrated tool that helps you to optimise and facilitate the search, source, contract and management of these workers.

Read more
Welcome to Finisar
Global Leader in Optical Communications

Technology Innovator. Broad Product Portfolio. Trusted Partner.
Finisar is the world's largest supplier of optical communication products. For nearly three decades, we have led the industry in creating and delivering break-through optics technology and world-class products that improve the way we communicate. Join us.
Questions?
Announcement