Shark Tank Competition

Emerging Technology and Acquisition Communities of Interest

October 14, 2021
Agenda

• Introduction
• ACT-IAC Update
• Judges Introductions
• Pitches
• Audience Voting and Judges Deliberate
• Winners Announced
• Panel
• Closing Notes
Mission Statement:
- Provide an energetic, collaborative consortium comprised of practitioners in data science, technology, and research, engaged with industry, academia, and public officials and executives focused on emerging and leading technologies which transform public sector capabilities

Current Objectives:
- Develop awareness of Blockchain in government through our Blockchain Working Group, expanding the Blockchain Playbook in preparation for two Blockchain Forums this Fall
- Expand Cognitive Computing, Artificial Intelligence, and Machine Learning awareness to develop broadened understanding and usage in government
- Continue driving Analytics and Big Data use through improved and continuous technical alignment with government missions to support citizens, improve program delivery, integrate with cybersecurity, migrate to digital transparency, and combat fraud, waste and abuse
- Align awareness and training regarding sensors and interactive technologies that transform the IoT into meaningful usage and application in government
- Increase DevOps Culture Adoption Across Federal Agencies by providing best practices of “How” agencies can tackle adoption across the agency through focus on Delivering Highest Value Faster
ET COI Leadership Team

- Neil Chaudhry – Government Chair
- Rayvn Manuel – Government Vice Chair
- Todd Hager – Industry Chair
- Frederic de Vaulx – Industry Vice Chair
- Jackie French – Communications Chair
- Celestine Pressley – Program Chair
- Cindy Good – Special Events Chair
- Karin O’Leary – Shared Services COI Liaison
- Nancy Delanoche – ACT-IAC COI Lead
- Jeremy Wood – Government Advisor
- Rob Wuhrman – Government Advisor
- Akanksha Sharma – Government Advisor
- Sandy Barsky – Industry Advisor

- Nevin Taylor – AI Government Chair
- Michael Bruce – AI Industry Chair
- Fred de Vaulx – Blockchain Industry Chair
- Joshua Hakakian – Blockchain Government Chair
- George Chenkeli – DevOps Government Chair
- David Hernandez – DevOps Industry Chair
- SJ Gaublomme – Intel Auto Government Chair
- Brian Jacobs – Intel Auto Industry Chair
- Danielle Graham – IoT Government Co-Chair
- Don Lovett – IoT Government Co-Chair
- Justin Herman – IoT Industry Co-Chair
- Pete Tseronis – IoT Industry Co-Chair
- Open – Quantum CoP Government Chair
- Open – Quantum CoP Industry Chair
Emerging Technology
Community of Interest
Meet the Sharks!

Polly Hall, Executive Director for the Department of Homeland Security (DHS) Procurement Innovation Lab (PIL)

Florence Kasule, Director of Procurement, United States Digital Service

Enrique A. Mañán, Awards Management Lead, National Institutes of Health

William Randolph, CEO/Founder of THINK Acquisition

Janelle Billingslea, Senior Acquisition Support and Technical Subject Matter Expert at the Department of Health and Human Services

Harrison Smith, Co-Director of the Internal Revenue Service (IRS) Enterprise Digitalization and Case Management Office
### Meet the Contestants!

<table>
<thead>
<tr>
<th>Team</th>
<th>Presentation</th>
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<tbody>
<tr>
<td>CivicActions, Inc.</td>
<td><strong>RapidATO: How Integrating AI Into the ATO Process Provides Value Across the Acquisition Lifecycle</strong></td>
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<tr>
<td>Internal Revenue Service and Summit2Sea Consulting</td>
<td><strong>Intelligent Automation for Automating Contract Modifications</strong></td>
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<tr>
<td>Oracle</td>
<td><strong>Blockchain and AI/ML Enabled Government Acquisition Solution in a FedRamp Certified Government Cloud</strong></td>
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<tr>
<td>OTG Group, LLC CoreCLM</td>
<td><strong>Accelerating Federal Acquisition using AI/ML</strong></td>
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<tr>
<td>Summit2Sea Consulting</td>
<td><strong>Waste Abuse Fraud Report (WAFR)</strong></td>
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<tr>
<td>Criteria</td>
<td>Description</td>
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<td>Impact</td>
<td>The solution will have results in improving processes and procurement at a federal organization through a rapid ROI</td>
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<tr>
<td>Feasibility</td>
<td>The solution is well-thought out, and can be implemented in any federal agency with relative ease (i.e. COTS versus customization).</td>
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<td>Simple</td>
<td>The solution is not overly complex, and will have minimal needs for extensive training or development.</td>
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<td>Cost Effective</td>
<td>The solution is realistic in the investment needed to implement</td>
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<td>Effectively Uses Data</td>
<td>The solution data architecture demonstrates an understanding of procurement data and how to use data for decision making.</td>
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<td>Scalability</td>
<td>The solution can be easily scaled, and has demonstrated the roadmap or plan for scalability versus the exclusive focus on prototype/demonstration process.</td>
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<td>Secure</td>
<td>The solution demonstrates an understanding of federal security posture and the need for security as part of the initial architecture.</td>
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Imagine Nation ELC 2021

• November 7-9, 2021 in Hershey, PA
• Conference theme is "Adventures in Change." Sessions will be organized around four adventures:
  • Changing How We Work
  • Serving the Citizen
  • Improving Our Security Posture
  • Identifying and Developing Talent
• Attend in-person or virtually
• Registration is open for government and industry
Agency Emerging Technology Forum

• **Agency Hosted**
  o Half day, onsite event
  o Program, Business, Acquisition, and IT teams invited
  o Closed to agency and ACT-IAC ET COI members

• **Emerging Technology Focused**
  o Working groups orchestrate content (AI/IA/Blockchain/DevOps/IoT)
  o Features government presenter with industry technology partner
  o How to buy, starting small

• **Coordination**
  o Cindy Good 202.368.9801 (cindy.good@fiscal.treasury.gov)
  o Todd Hager 202.329.1393 (thager@macrosolutions.com)
Committee Team Updates

- Emerging Technology and Acquisition COI Shark Tank Competition
- AI Working Group
- Blockchain Working Group
- DevOps Working Group
- Intelligent Automation Working Group
- IoT/Smart Infrastructure Working Group
Background
  o Share practical use cases in government, baseline clear understanding of these technologies, smart use applications, and potential targets in government to drive citizen delivery, including predictive analytics
  o Meets every Friday at 11am

Leads
  o Nevin Taylor (CPSC) – Government Lead
  o Mike Bruce (Leidos) – Industry Lead

Deliverables
  o Primer (released)
  o Playbook (released)
  o Ethics & Bias White Paper (released)
  o AI Knowledge Certification and Curricula White Paper (In production)

Coordination
  o Sandy Barsky, Nevin Taylor, or Mike Rice
Blockchain

Background
- Provide an authoritative resource for government agencies looking to understand and incorporate blockchain functionality into their organization
- Meeting - TBD

Leads
- Joshua Hakakian (VA-NAII) – Government Lead
- Fred de Vaulx (Prometheus) – Industry Lead

Deliverables
- Playbook: Continuous evolution cycle
- From challenge to Adoption: 1-2 pager documents and use case library update
- MITRE Blockchain in Grants Project

Coordination
- Frederic de Vaulx at f.devaulx@prometheuscomputing.com
- Joshua Hakakian at joshua.hakakian@va.gov
**Background**
- Increase understanding of DevOps across the Federal space by providing information and resources to enhance culture, automation, learning, measures, and information sharing
- Meets every other Monday at noon

**Leads**
- George Chenkeli (GSA) – Government Lead
- David Hernandez (Riva) – Industry Lead

**Deliverables**
- DevOps Primer (published February 2020)
- Primer 2.x, expanded version based on interviews with government leaders (*In production*)

**Coordination**
- Contact David Hernandez at dhernandez@rivasolutionsinc.com
Intelligent Automation Working Group—Focused on helping Federal agencies on their RPA and IA journeys
- Meets every other Tuesday at 8am

Leads
- SJ Gaublomme (FEMA) – Government Lead
- Brian Jacobs (Macro Solutions) – Industry Lead

Deliverables
- Intelligent Automation Primer (published) and Intelligent Automation Playbook: RPA (published)
- Process Automation Product Survey (published)
- Co-sponsoring Digital Transformation Summit with GSA, March 16-17, ‘21
- Software Product Survey (released at DT Summit). Will be presented at a MITRE event to be scheduled for this summer
- RPA White Paper with Management Concepts, Inc., based on interviews with government leaders (released at DT Summit). To be discussed at an ACT-IAC webinar with UiPath, Management Concepts, and FedScoop
IOT and Smart Infrastructure

Background
- Provide an authoritative resource for government agencies looking to understand and incorporate IoT and Smart Technologies into their organization
- Meets every other Thursday at 8:30am

Leads
- Government Sponsor – Dan Morgan
- Danielle Graham – Government Lead
- Justin Herman, Pete Tseronis, and Don Lovett – Industry Leads

Deliverables
- Primer/white paper - Initial executive overview of smart infrastructure / IoT landscape, challenges and opportunities, understanding for government and industry
- Playbook - For use cases and best practices of smart infrastructure / IoT
- Round table and forum discussion, presentations, road show

Coordination
- To join, contact Nancy Delanoche at ndelanoche@actiac.org

https://www.zoomgov.com/j/1600857507?pwd=NHRHSmhLNTZLNUNoRUNwSWFZb3V5dz09
Meeting ID: 160 085 7507
Passcode: 757776
+16692545252,,1600857507###
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More info about the working group is available here: https://projectbits.github.io/act-iac-iot/
Next COI Meeting – November 16th

Quantum

• November 16 | 10:00 AM to 11:30 AM
Audience Choice Award

Internal Revenue Service and Summit2Sea Consulting
Intelligent Automation for Automating Contract Modifications

Judges Award

Summit2Sea Consulting - Waste Abuse Fraud Report (WAFR)