Where Our National Security Begins...
NRO
Industry Advisory Working Group

Working Session
June 26, 2018
Agenda

- Welcome & Introductions
- “Snapshots”
- Government Perspective
- “S2P Corner” & “C2S Corner”
- Action Team discussions
- Open Dialog
- No-Host Social
Snapshots

- Mission User’s Forum: emphasis on data services and use of IC infrastructure
  - Go to DNI CDO site on JWICS to find Data Strategy, Lexicon (NRO led), Standards
  - DIA adoption of NGA Data Analytic Architecture Services (microservices)
  - NASIC interest in leveraging IC shared services

- OSSSI Panel discussion on open source and DevSecOps (Ken Laskey)

- DevOps Starter Kit: Agency using “Security Clearance” contract to pipeline talent
  - Constitutes precedent for this concept
  - CRADA construct similar to SOCOMs may be ideal

- Air Force Space & Missile Systems Center
  - “SMC 2.0” Transformation – Enterprise emphasis
  - ORS Office → Space RCO
  - President announces new “Space Force” ?!
Government Perspective
“C2S Corner”

Latest & Greatest...

Topics & Issues Discussion

AWS DC Summit Summary
“S2P Corner”

Latest & Greatest…

Topics & Issues Discussion

Chris Ashworth

CWAN accessible @ HTTPS://S2P.proj.nro.ic.gov

Unclassified S2P JPortal @ https://www.s2p.cloud
Release 3.2 Focus – 4.1 Updates?

- RELTO Environment Deployment
  - Atlassian BitBucket, JIRA, Confluence
- OCP Enhancements
  - Additional worker nodes
  - Deployment of project test worker nodes with promotion process
- ServiceNow Discovery
  - Ability to discover and record network/cloud infrastructure (CI’s)
- Sonatype Nexus
  - Upgrade to Repo Manager 3 & integration with Jenkins
- MicroFocus OMi
  - Upgrade to 10.63, change to HA infrastructure
- SW Supply Chain
  - User requested enhancements
  - Integration with XACTA!
- Data Compliance
  - Work to refine CONOP & enable connectivity to required systems
UPDATE

S2P Growth Rate

Average 45.1% growth per quarter

Contract Period of Performance

# of Registered Users in Crowd

Does not include 13,000+ JEMA users
NRO IAWG

Action Teams & Topics

Objectives & “To Do” List

Attracting Talent

Incentivizing FGA Philosophy

Agile & DevOps Contracting Team
1. Facilitate business models/arrangements to accelerate FGA2025

2. Address Business Model Obstacles to Cloud Adoption

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IAWG “Active” Action Groups Schedule

ACTIVE GROUPS

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NRO IAWG
Action Teams & Topics

Incentivizing Industry & Govt to Adopt Framework & Services

JOIN A TEAM NOW!
Action Team Idea: “Speed to Capability”
Do the leaders know what they need to champion?

Proposed Objective: Identify root causes and recommended acquisition practices that will increase speed to capability in light of:

- Pilots that don’t scale
- Lack of funding “wedges” in the POM
- Business model differences for contracts already let
- SOWs that “bake out” innovation
- Inherent disincentives for prime contractors to increase speed
- Lack of incentives for prime contractors to realize faster delivery cycles
- RFC/Change processes biased toward status quo

Differentiate between incentives for adopting shared services vs. incentives for speed to mission!
Business Model Barriers to Shared Services (Cloud) Adoption

- Challenge: identifying and isolating current Total Ownership Cost profile
  - Multiple funding sources across organizational boundaries and many contracts
  - Business case for shared/cloud services depends on apples to apples comparison
  - Without apples to apples comparison, shared services doesn’t appear to save anything

- Challenge: process confusion
  - Multiple processes depending on which infrastructure selected (one size does not fit all)
  - On-boarding, security, and change control process differ enough to matter

WHAT ELSE? Identify and discuss additional barriers
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Action Teams & Topics

Business & Operating Models to Attract Talent

Progress Update: Ann Waynik
IDEAS: Attracting Talent

- Challenge: Security Clearance “chicken & egg” + timelines
  - Must have a contract for RFA approval but can’t win the contract without cleared staff
  - Onboarding talent ahead of contract award raises G&A/Overhead rates

- Idea 1: implement “Security Clearance” contract ala Agency precedent

- Idea 2: Leverage Agency-focused IR&D projects to create cleared talent pipeline
  - Authorize RFAs for agency-focused IR&D (projects aligned to government needs)
  - Initiate research on AWS, move to C2S IR&D instances purchased via IPA when ready
  - Uncleared personnel conduct unclass research on AWS pending adjudication
  - Project can move to high side and personnel can follow upon gaining clearance

Discussion: feasibility, viability, barriers?
NRO IAWG
Action Teams & Topics

“Cloud business/revenue model (incenting speed)” Action Team
Leader Needed: TBD
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Action Teams & Topics

“DevOps Contracting” Action Team

Progress Update: Themba Hinke
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Action Teams & Topics

“Standardized NAM language for COTS/GOTS software acquisition”
Action Team
Leader Needed: TBD
NRO IAWG
Action Teams & Topics

“Commercialized Software Business Practices” Action Team
Progress Update: Sonny Sarkar
Commercial Software
RFP/Contracts NAM Language Team

Challenge & Approach
Framing the Challenge

- General state of current contracts and difficulties for ease of use for commercial SW
  a. General feedback
     i. Perceptions
     ii. Realities
     iii. Ideal thoughts for industry and government
  b. Clarity or lack thereof to bidders
     i. Specific citations
     ii. Consistency/Relationship to assessment criteria
  c. Management and execution
     i. ELA
     ii. Perpetual vs Term
     iii. Business models
        1. Software provided at no cost or low cost as part of “services” contract
        2. Government-proposed alternative to licensed software approach
  d. Bidder BOM/ODC buy vs Govt buy
     i. Advantages
     ii. Disadvantages

Discussion: feasibility, viability, barriers – let’s collect IAWG inputs/comments per the above
Draft Approach

Resilience and information assurance
a. Performance at all scales
b. Separation of concerns between data owners, users and infrastructure administrators
c. Solid security controls: compartments, fine granularity and encryption
d. Software Provenance: How software was developed, where and by who?
e. Modern DevOps
f. Survive the test of time with open standards
g. Run everywhere: Any clouds, on-premises and over DIL

Efficiencies & Economies
a. Leverage use-cases per other business verticals
b. Incorporate capabilities developed for the US government in products
c. 80/20 – minimize custom code/implementations
d. Certification and accreditations
e. Time to need
f. O&M foot print

Provide Incentives to “do hard”
a. Credit for reuse, enterprise complexity & total program cost
b. Innovation & Cross Org Teamwork Execution Incentives
   i. Demonstrate & communicate how implementation schedules & risk have been reduced
   ii. Take advantage of shorter timelines
Upcoming Events

• SIGINT Portfolio Days
  – 15-17 October 2018

• GEOINT Portfolio Days
  – 7-8 November 2018
IAWG Contact Info & Additional Information

- Nick Buck: nick@buckgroup.net (703) 801-3405
- Ann Waynik: ann.m.waynik@saic.com (703) 975-4456
- Mike Moran: mmoran07@peraton.com (571) 524-1184
- Alex Fox: afox02@harris.com (703) 203-0243
- Shai Sobrino: Shai.Sobrino@usgif.org (571) 392-7210
  (USGIF coordinator)
Open Dialog

Additional Topics “for Consideration”

Actions & Next Steps

No-Host Social

2018 Team Lead Volunteers

- DevOps Contracts: Themba Hinke
- Barriers to Speed & Incentivizing Industry: Gavin Greene
- Software RFP/NAM Language: OPEN
- DevOps vs Waterfall TTO: OPEN
- Commercialized Software Business Practices: Sonny Sarkar
Backup
IAWG “NEW” Action Groups Schedule

2018 “NEW” GROUPS

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TBD = To Be Determined