Integrated Award Environment

The Path Forward

Industry Meeting
December 18, 2013

Agenda

- ➢ **Casey Coleman, CIO**

- ➢ **Kevin Youel Page, FAS Assistant Commissioner, IAE**

- ➢ **Sonny Hashmi, Deputy CIO and CTO**

- ➢ **Navin Vembar, Acting Director, CIO Division, IAE**

GSA IT is a key IAE partner

- ➢ **GSA leadership committed to IAE**

- ➢ **GSA committed to IT innovation**

- ➢ **GSA's consolidated OCIO – Supporting the federal customer**

IAE is stable, enabling mission

➢ **Registration speed is up**

➢ **System availability improved**

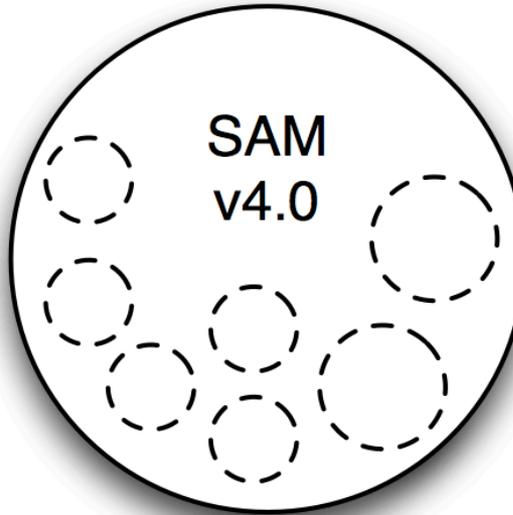➢ **Security tightened**

➢ **Customer service enhanced**

SAM Registration Cycle Time

IAE is enhancing missions
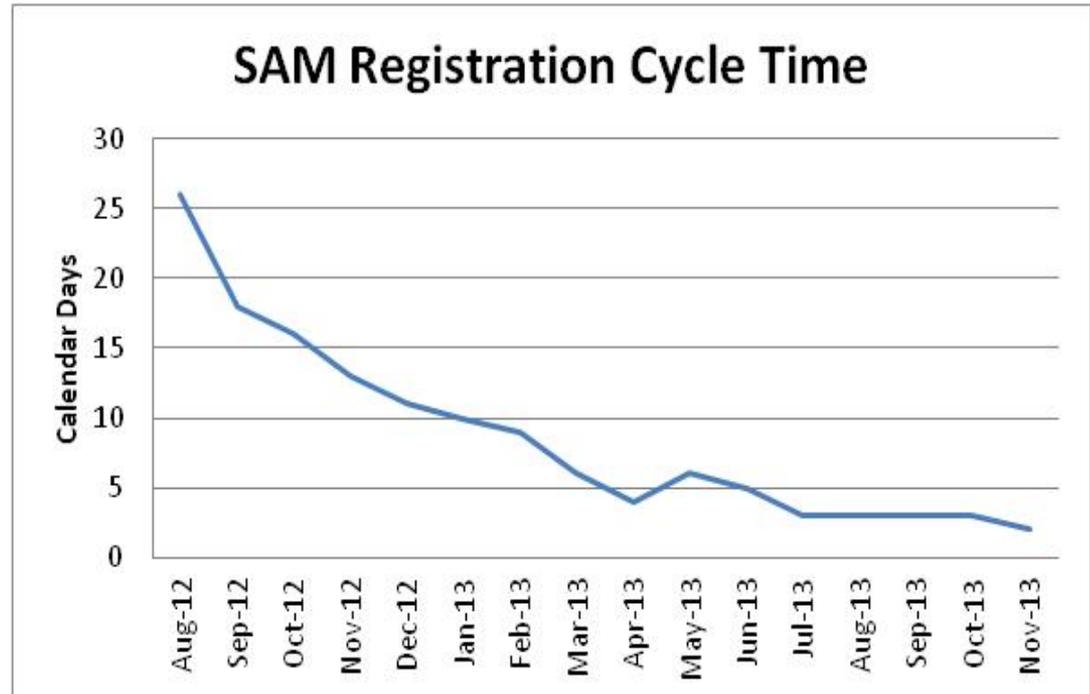
➢ **Compliance improved**

➢ **Data integrity increased**

➢ **User Acceptance Testing launched**
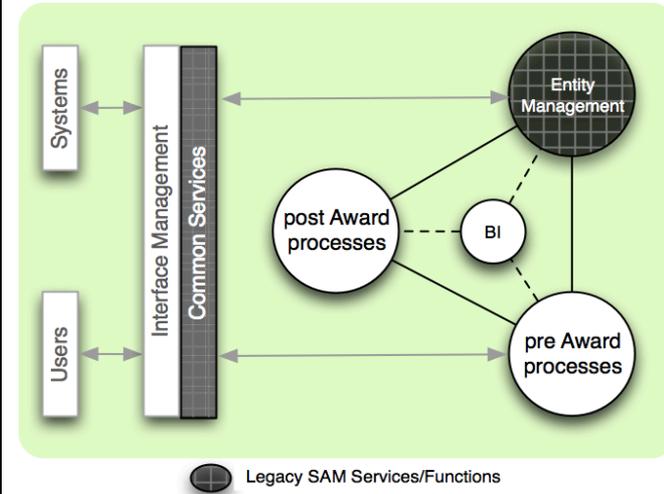
➢ **Costs controlled**

Analysis of Alternatives

Fix SAM then Fence & Operate
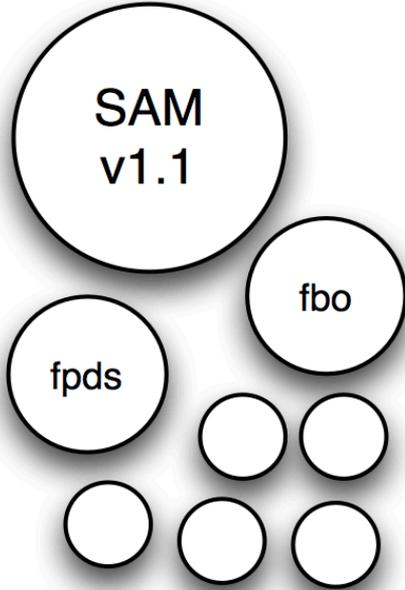
Rebuild Existing SAM and Build Original Design

Move Forward with an Open and User-Centric Environment

Legacy SAM Services/Functions

SAM v1.1: Rebuild SAM (Application) with existing functionality and no additional consolidations

SAM v4.0: Rebuild SAM (Application) and integrate all legacy systems

SAM 3-Core API: Extracting common requirements from existing SAM

Our plan: Open and user-centric

- ➤ **User centric design**
- ➤ **Agile development**
- ➤ **Data transparency**
- ➤ **Open source, open APIs**
- ➤ **Strong testing**
- ➤ **Strict security protocols**
- ➤ **No code handoffs**
- ➤ **Government owns integration with technical governance support**

Move Forward with an Open and User-Centric Environment

Legacy SAM Services/Functions

IAE transformation stages
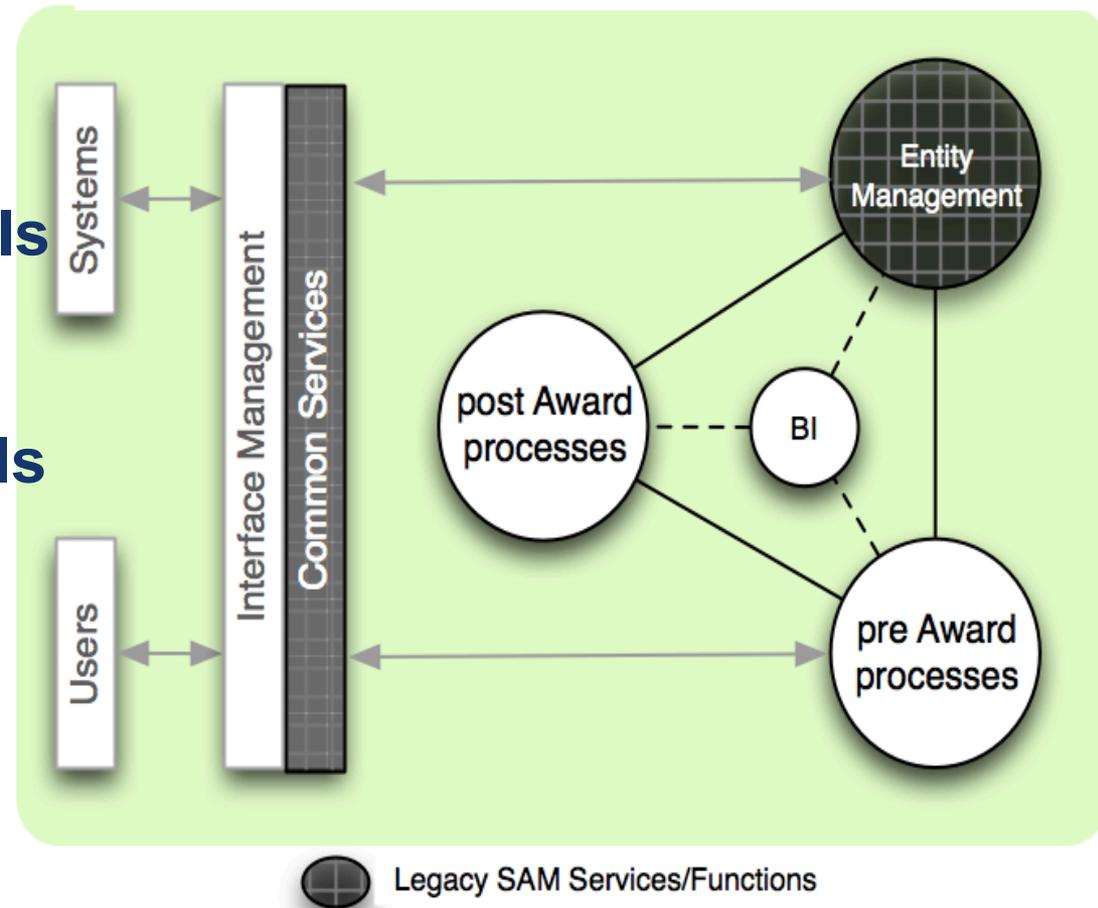
Stage 1 Activities FY14-Q3 FY15	Stage 2 Activities Q2 FY14-Q1FY16	Stage 3 Activities Q3FY15-Q1FY17	"To-Be" Architecture Q3-FY16-Q1FY18

Target State:
- **Identity & Access Management (I&AM) as a Service**
- **Initial Application Programming Interfaces (API) built**
- **Common Services (I&AM, cloud hosting, data warehouse reporting & extracts, search)**
- **SAM refocused**

Target State:
- **FBO functions moved to Pre-Award Core**
- **New Entity Management Core IOC**
- **eSRS, FSRS, FBO, decommissioned**
- **Legacy SAM Infrastructure decommissioned**
- **Capabilities added to Common Services**

Target State:
- **WDOL functions moved to Pre-Award Core**
- **Post-Award Core deployed**
- **Additional capabilities with Common Services including improved Data Warehouse**
- **WDOL and FPDS-NG decommissioned**

Target State:
- **CFDA functions moved to Pre-Award Core**
- **Data Warehouse updated**
- **All legacy systems decommissioned**

Chevrons represent major release planning cycles, not software development cycles

GSA seeks an open dialog

- ➢ **Today's meeting is a start**

- ➢ **We will conduct follow-on Industry meetings on topics of interest**

- ➢ **Join us on Interact at interact.gsa.gov**

- ➢ **Contact us at IAEoutreach.gov**

- ➢ **GSA is focusing on the requirements for these solicitations planned for late FY2014**
  - ➢ **Common Services**
  - ➢ **Technical Governance Support**

What do we mean by principle?

➢ **A principle is a guidepost for our decision-making at all levels**

➢ **Everything from our strategy to architecture, to implementation is affected by our principles**

➢ **They are not hard and fast rules – in fact, they are in tension with each other**

➢ **They should distinguish us from other programs and our own history**

Our principles

➢ **Open (source code, data, APIs)**

➢ **Data as an asset**

➢ **Continuous improvement**

➢ **Effective user experience**

➢ **Measurable transactions**

➢ **Security is foundational**

➢ **Build value over maintaining status quo**

Open

"Open source, open data, open APIs"

Implies

- Open source IAE code where possible
- Use open source tools
- Provide open access to IAE data
- All IAE business functions are also open

Balance

- Closed tools (e.g., Oracle) and their stability vs open tools and their agility
- Security and openness

Ask ourselves

- "How does this make us transparent?"
- "How does this make us more accessible?"

Data as an asset

"Accurate, timely, complete, and authoritative"

Implies

- Significant effort to manage data quality; implementors must have data-oriented SLAs
- Change control of the data needs to be transparent
- Will follow the data->information->knowledge chain

Balance

- Our flexibility has to account for the strong change management of our data

Ask ourselves

- "How do we ensure that we are providing timely and accurate data?"
- "How are we enabling decision-making through use of our data?"

Continuous improvement
"Agile, flexible, and responsive"

Implies

- Agile development – frequent, controlled releases with high stakeholder engagement
- Design in flexibility – policy changes should be easier to implement

Balance

- Flexibility, security and change management are in tension

Ask ourselves

- "Are we waiting too long to show demonstrable results?"
- "Does it cost too much to make changes to IAE?"

Effective user experience
"We invest in our stakeholders' experience"

Implies

- Constant engagement with users
- Understand the personae of our stakeholder community
- Actively choose which groups are of priority

Balance

- Cost of being a "gold-plated" solution for everyone

Ask ourselves

- "Who are we serving?"
- "Whose mental model are we implementing?"

Measurable transactions
"Our performance is quantifiable"

Implies

- Granular business process definition
- Strong understanding of internal and external dependencies
- Transactions are built to be cost-measurable
- Can become a fee-for-service organization

Balance

- API development supports this
- Agile development may change costs frequently unless we select appropriate baselines and change processes

Ask ourselves

- "What is our business measure for this process?"
- "How do we improve our transactional costs?"

Security is foundational

"We are a trusted service provider"

Implies

- Design security into each transaction and data store
- Continuous evaluation of security posture

Balance

- Being open and secure can be (but is not always) at odds; can leverage openness to quash security issues
- Consider the incremental costs of additional security

Ask ourselves

- "How do we assure our users that we are conforming to the principle of least access?"
- "How do we prove that we are secure?"

Build value
"Run to Grow"

Implies

- Incremental expenditure should bring high value
- Develop maintainable systems and processes so our dollars can be spent in growing stakeholder capability

Balance

- The need to serve our legacy users against new development

Ask ourselves

- "Are we spending a lot of money to stay in the same place?"

How do we use the Principles?

➢ **As you make decisions about contracting, business processes, architecture, and the other planning, consider the principles**

➢ **The questions are examples of things to consider—not comprehensive**

➢ **Guideposts not fences**