



CDAO

JATIC

Program Objectives for Increment 2

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Welcome to ARiA, IBM, MORSE, and all the other team members who recently joined!

Newness

- Over *half of the program* has joined in the last week

Wider program context

- JATIC program runs from 2023 – 2028
- Next increment is 5 sprints: July 19th – Oct 4th

Getting oriented & growing in maturity

- Technical: protocols, testing, software development, ...
- Programmatic: agile processes, norms, ...

Broad expertise

Members within the team have ...

- Worked on a very large number DARPA programs
- Led, maintained, or majorly contributed to leading AI open-source projects
- Led major software programs across the DoD
- Led T&E across some of the largest AI DoD programs
- ...

Existing capability

- A ton of existing functionality, spanning broad areas of AI assurance:
 - robustness testing
 - adversarial AI
 - explainable AI
 - visualization
 - platforms
 - ...

Objective 1 / 4



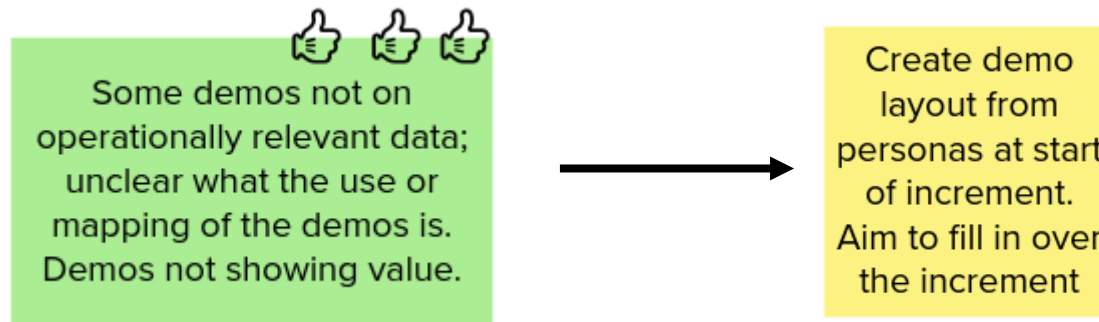
Develop AI Test & Evaluation (T&E) demos *which leverage multiple tools*

Ideas

- Try out the things from other teams!
- Review and feedback on common protocols
- Brainstorm novel synergies between various tools
- Create notebooks that leverage a bunch of tools

Develop demos of AI T&E workflows which *map to end-user personas*

Context



Ideas

- During increment planning, determine workflows that we will target for the system demo, *using operationally relevant datasets and mapping directly to personas*
- Plan out dependencies / interface points between various tools
- Create functionality with these demos in mind as concrete representations of the 'business value'

Objective 3 / 4

Establish communication channels, platforms, and feedback loops with multiple types of end-users

Context

- Main categorization end-users:
 - DoD organizations and users
 - AI community; open-source; academia

Ideas

- Availability of tools on open-source platforms, e.g., Github, HuggingFace, etc.
 - Establish public release strategy for each tool to enable CD to these platforms
- Platform to demonstrate capabilities to DoD end-users
- Availability of standard documentation on Gitlab pages (or another central internal place for DoD users)
- Create common presentations for outreach and engagement
- Engagement at conferences / workshops / seminars / symposiums
- Create or update personas based on new user engagements

Objective 4 / 4

Enable extreme ease of use and accessibility for core functionality

Ideas

- Ease of use: make core functionality usable with *as few lines of code as possible*
- Accessibility: provide common interface for existing open-source libraries (i.e., wrapper / provider model)
- Provide tutorials and resources for DoD T&E engineer learning about AI

Summary of objectives



1. Develop AI Test & Evaluation (T&E) demos *which leverage multiple tools*
2. Develop demos of AI T&E workflows *which map to end-user personas*
3. Establish communication channels, platforms, and feedback loops with multiple types of end-users
4. Enable extreme ease of use and accessibility for core functionality