

## Applications for Decision Advantage

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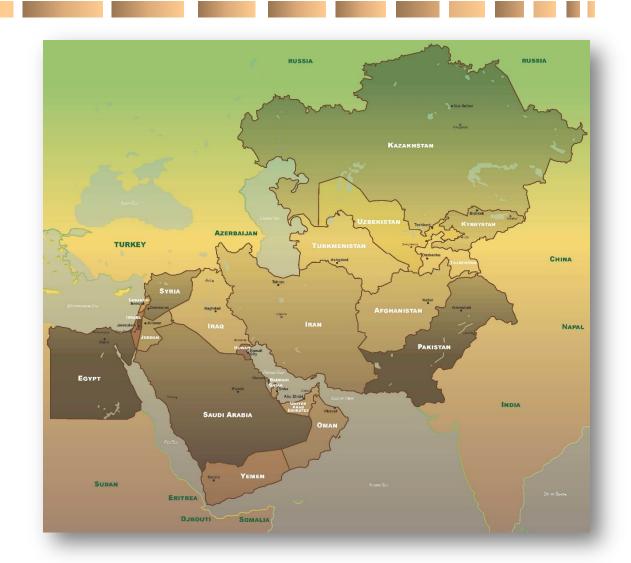


### Setting the Stage

U.S. Central Command (CENTCOM) sits at the crossroads of key economic, diplomatic, and military global interests.

- Critical trade routes
- Energy and connectivity hub
- Diversity of security challenges

Engagement across these interests requires, joint, all-domain, cross-echelon, cross-classification operations and coordination





# Diversity of Security Challenges

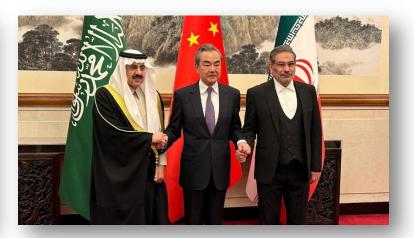










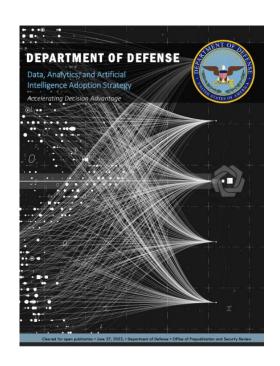


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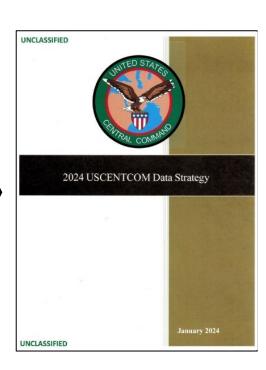




- Data-centric Operations
  - Governance principles via VAULTIS
  - Centralized data stores
  - Unit Testing via Data Dimensions
- Data Resiliency
- Smart Tools & Infrastructure
  - Workflow Automation
  - Artificial Intelligence







2024 CENTCOM Data Strategy



# Primary Apps for JADC2 Decision Advantage

	Features in use by CENTCOM			
	Heterogeneous Bulk Ingest	Synchronized Situational Awareness	Automated Workflows	Artificial Intelligence
Maven Smart Systems				
Advana		**	*	
VJOC		<b>*</b>		



## JADC2: Synchronized Situational Awareness





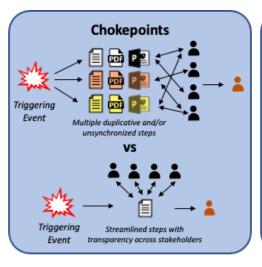


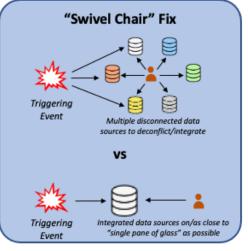


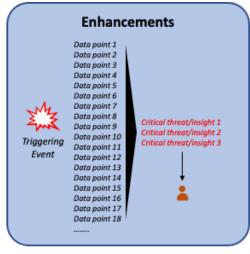
Effective <u>fusion</u>, <u>synthesis</u>, <u>and presentation of data</u> to a commander requires a cloud environment (multi-classification), a robust data integration & visualization tool, and heavy coordination of technologies and policies with the entities feeding in data



### JADC2: Targeting Workflow Case Study













#### **Targeting: Previous Method**

Mediums with manual version control (e.g., excel)

Mediums with limited, static data layers (e.g., PPT)

SA requires active outreach (e.g., phone/email)

Lack of process transparency (e.g., who made change/why)

#### **Targeting: Enhanced Method**

Collaborative platform eliminates need for version control

Platform with large number of live data layers

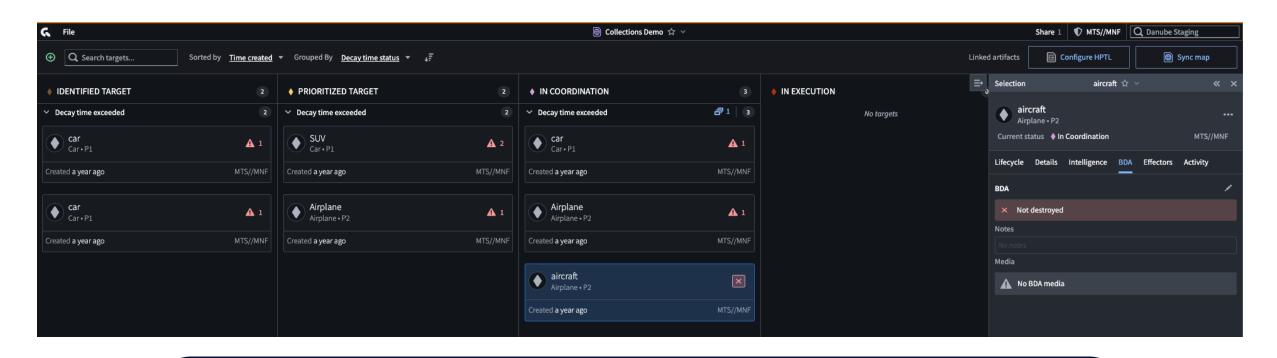
Enhanced SA persistently maintained by platform

Updates & changes tracked and easily accessible

By leveraging workflow automation tools with common/widely-accessible data layers, teams were able to reduce time for nomination, submission, and approval of a dynamic target from days to hours



### JADC2: Workflow Automation

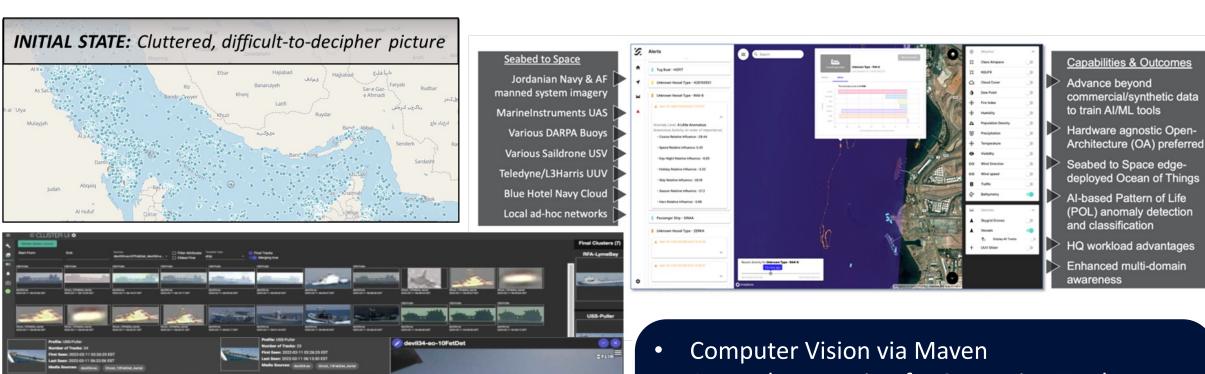


CENTCOM has developed tools to automate the targetrefinement process, expediting approval and reporting

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### JADC2: Artificial Intelligence



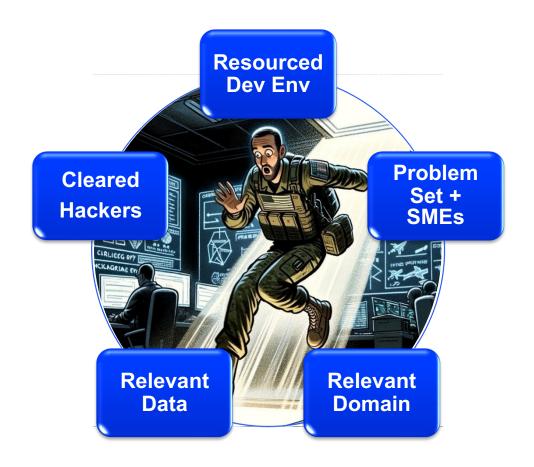
- Anomaly Detection for Streaming Tracks
- Recommendation Engines

Metrics matter! Speed wins!





### **Dev Prototyping: SANDTRAP**



### No Code / Low Code







### Decision Advantage via Partnerships













# Questions?