



# Defense Intelligence Information Enterprise Plugfest

18<sup>th</sup> Annual NDIA Systems Engineering Conference

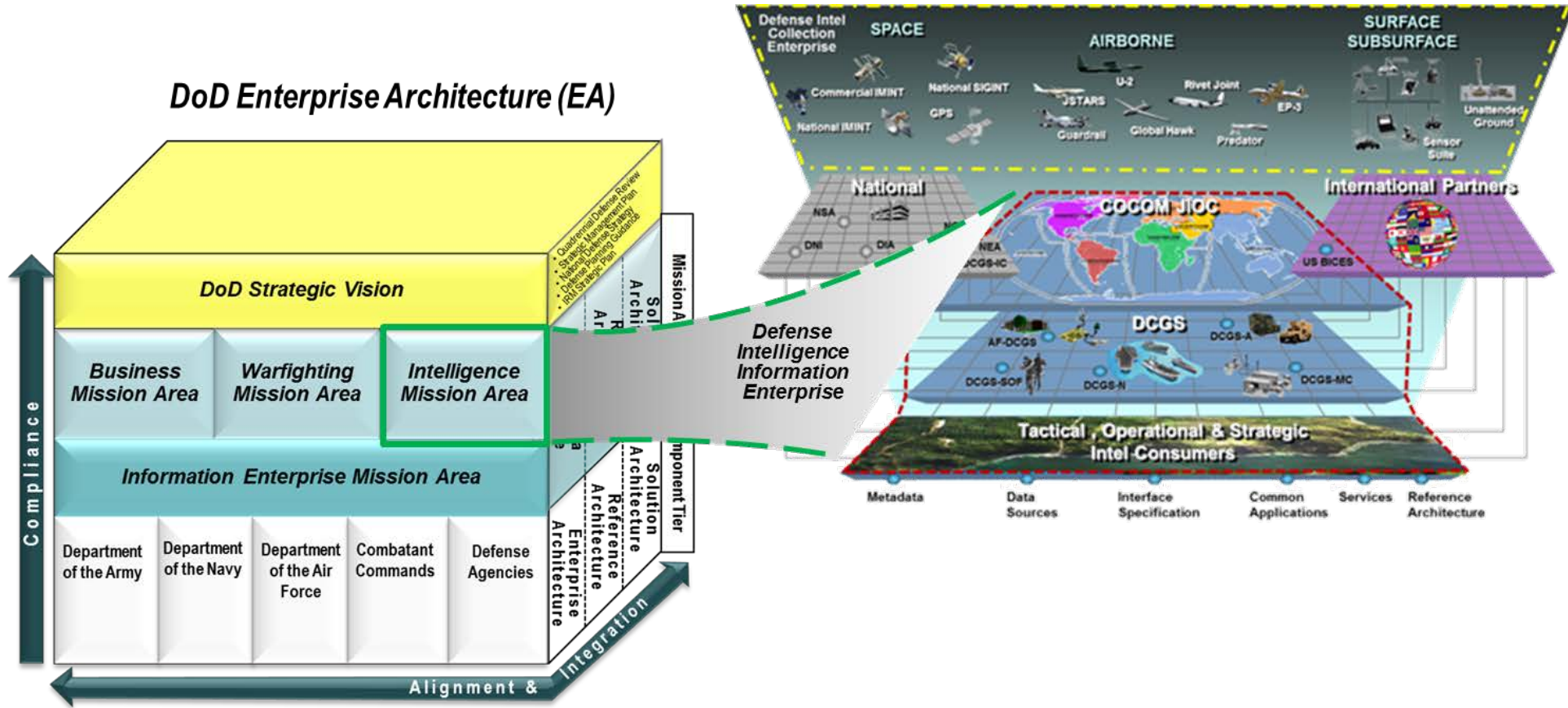
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# What is DI2E?



*DI2E is the Intelligence Mission Area Enterprise Architecture*



# What is DI2E Plugfest?

***Event for vendors to demonstrate...***

2.3 Data Discovery	
2.3.1	Content Discovery and Retrieval
2.3.1.1	Content Search
2.3.1.2	Brokered Search
2.3.1.3	Retrieve Content
2.3.1.4	Deliver Content
2.3.1.5	Describe Content
2.3.1.6	Query Management
2.3.1.7	Query Results Management

DI2E applicable



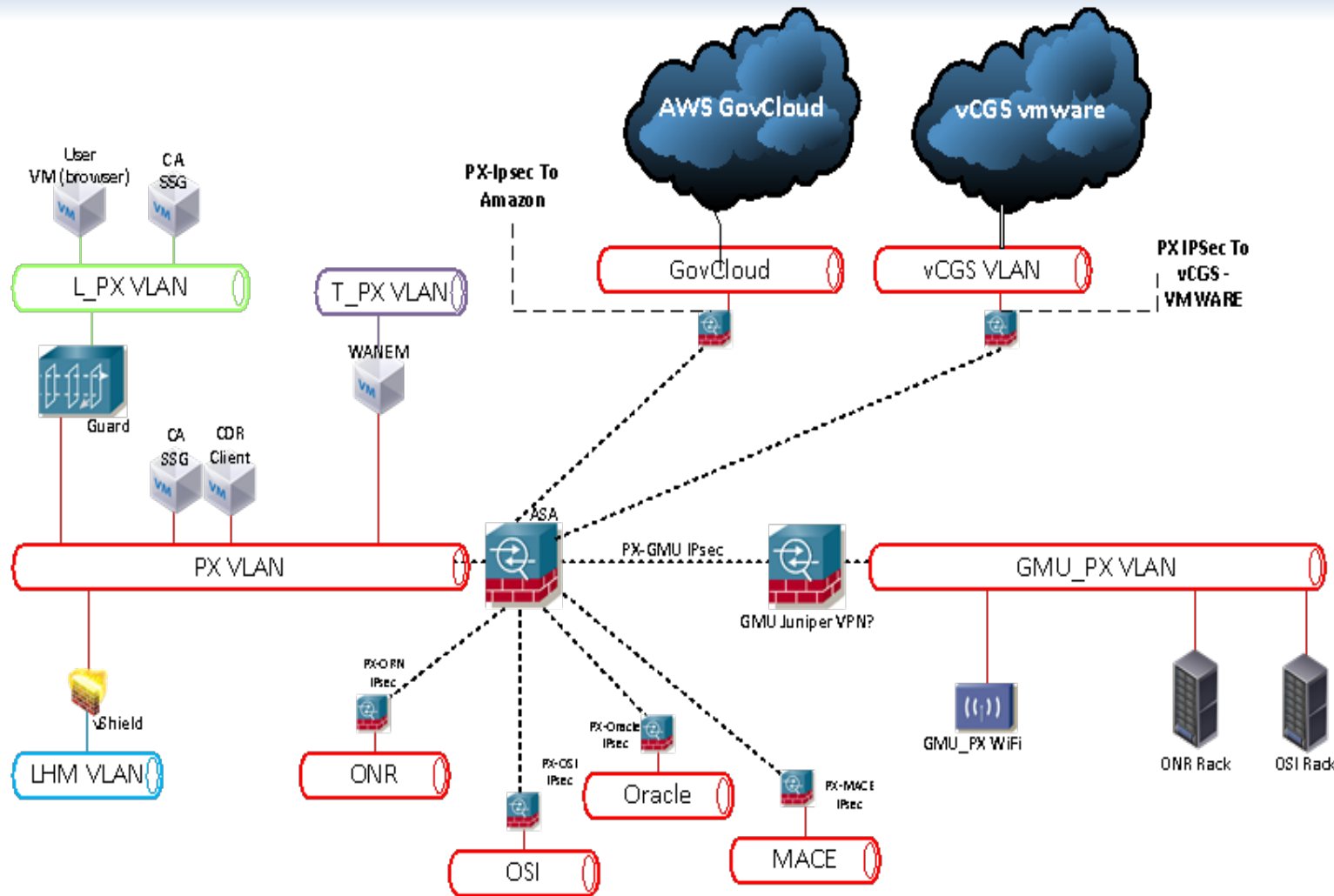
Interoperable



Standards conformant



# Plugfest eXchange Infrastructure



*Federated government and commercial clouds*



# Vendor Assessments

- Conducted between March – May
- Testing, demonstration, and technical interface analysis
  - Applicability to DI2E reference architecture
  - Standards / specification conformance
- Cooperative effort among
  - Government support contractors
  - Vendors
- 35 vendors assessed
  - Some chose to exhibit only
  - 100% earned at least two stars
  - 63% earned all four stars





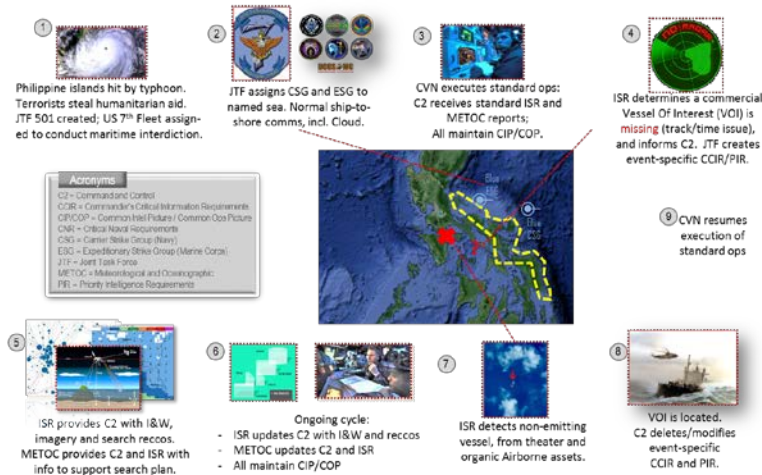
# Gold Star Assessment Criteria

DI2E Goal	Description
<b>DI2E SvcV-4</b>	Vendor has one or more products mapped to one or more service functions on the DI2E SvcV-4
<b>PX Available</b>	Vendor has one or more products deployed to or interfacing with the Plugfest eXchange
<b>DI2E Interoperable</b>	Vendor has one or more products that use another vendor's product or are used by another vendor's product
<b>DI2E Aligned</b>	Vendor has one or more products that has passed relevant DI2E Conformance Test Kits (CTKs) or vendor has made a significant contribution to updating DI2E Technical Profiles or CTKs



# What is the Mashup Challenge?

## Given...



**Mission Scenario**



**Plugfest Data**



**Vendor Products**

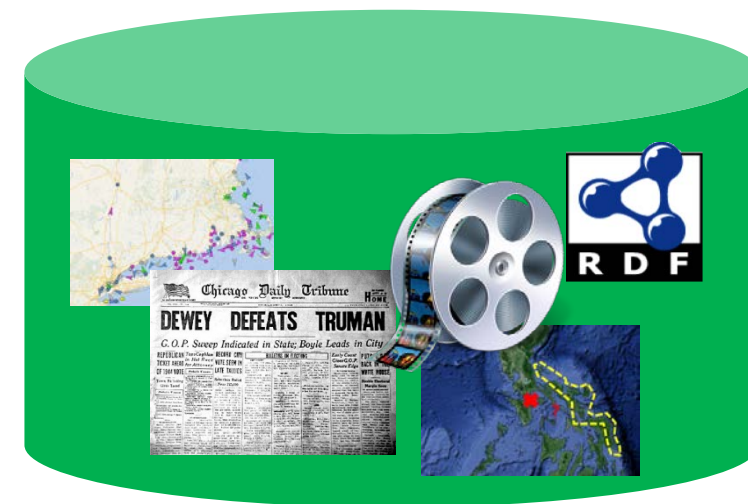
## ...show us what you can do!

*Informal competition among government-sponsored teams*



# Plugfest Data

- Scenario-relevant test data
  - >3 million RDF triples and growing
  - Automated Identification System (AIS)
    - Ship positions
    - Voyage information
  - Geospatial Imagery
  - Open source news reports
  - Full Motion Video collected live at Plugfest
- Available through standards-conformant interfaces

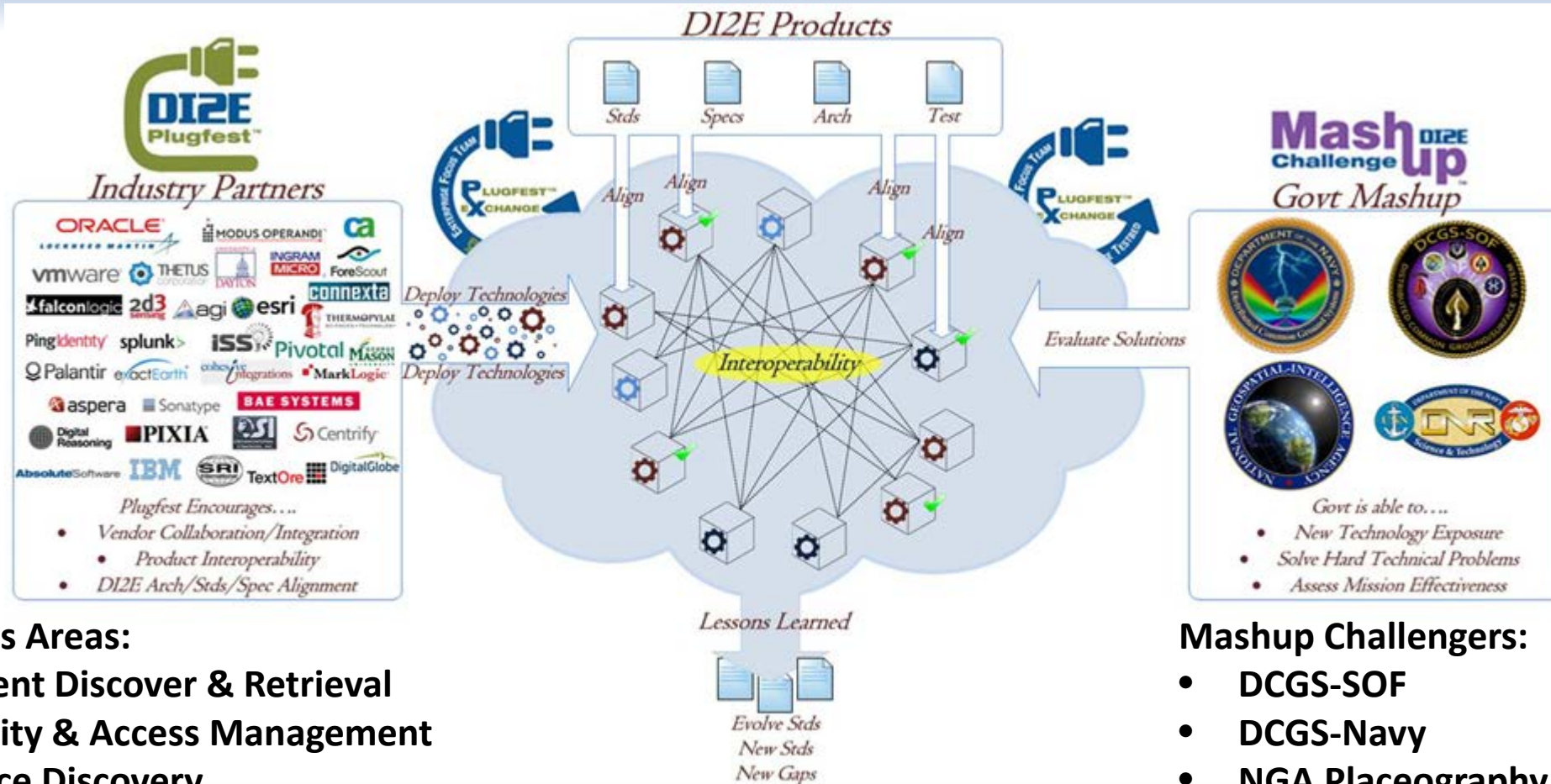


*Data available to all vendors and mashup teams*





# Plugfest 2015



## Key Focus Areas:

- Content Discover & Retrieval
- Identity & Access Management
- Service Discovery
- Data Tagging

## Mashup Challengers:

- DCGS-SOF
- DCGS-Navy
- NGA Placeography
- Office of Naval Research

Event held 19 May 2015 at George Mason University



# 2015 Highlights

- 37 vendors integrated into the Plugfest Exchange
- 4 government-sponsored Mashup teams
- 81% of vendors participated in Mashups
  - 22 vendors participated in DCGS-N Mashup
  - 8 vendors participated in 2 or more Mashups
  - 1 vendor participated in 3 Mashups
- 87% of SvcV-4 covered by vendor products
- 3 integration experiments
  - Identity and Access Management
  - Run-Time Service Discovery
  - Inter-Cloud Query Brokering





# DI2E Plugfest and Mashup Challenge 2016

- When: 1 & 2 June 2016
- Where: George Mason University
- Who:
  - *Registration opening soon!*



*The Association for Enterprise Information  
People – Process – Technology*



# Questions?

