



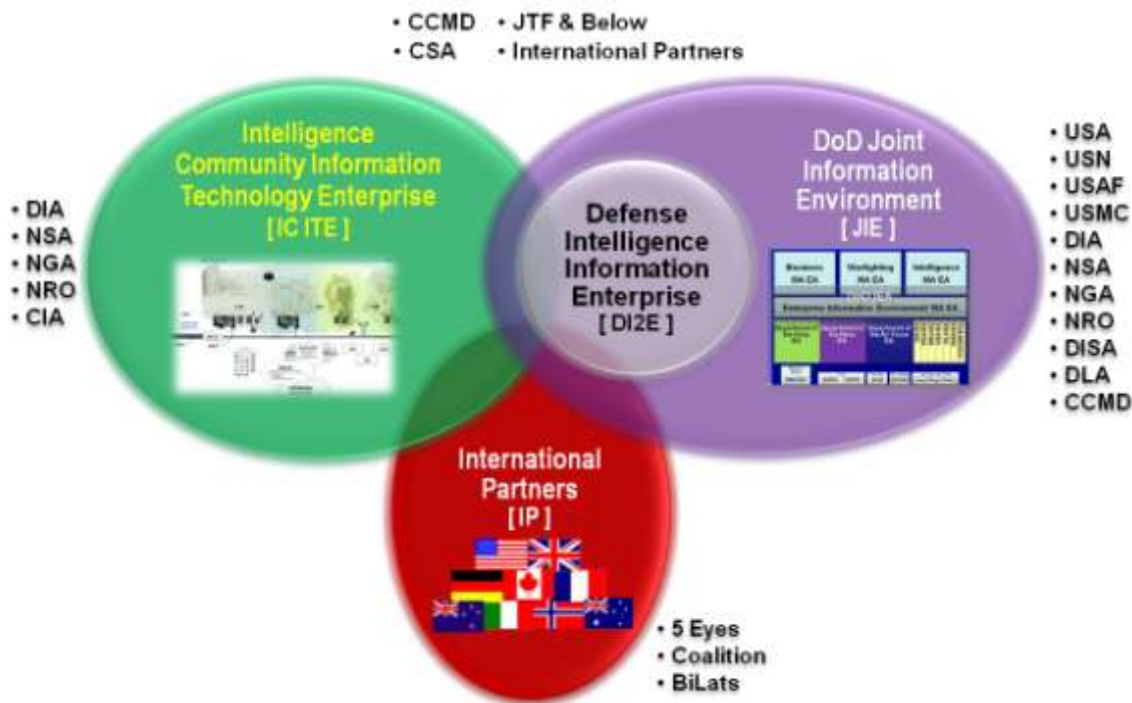
DI2E Framework Standard Brief

Defining DI2E

DEFENSE INTELLIGENCE INFORMATION ENTERPRISE

The Defense Intelligence Information Enterprise (DI2E) is one of two components of the Defense Intelligence Enterprise (DIE) that:

- Transforms collected intelligence data for further analysis
- Provides analysts to ability to Integrate, evaluate, interpret and predict the operational/physical environment
- Enables better situational awareness to military and national decision makers



DI2E is not a Program of Record nor a new architecture, but rather, is composed of the EXISTING technology infrastructure, software and services within the JIOC, DCGS, and Tactical enterprises to include National and International Partner capability within USDI oversight and acts as a bridge between the DoD Joint Information Environment (JIE) and IC Information Technology Environment (ITE).

DI2E Acquisition Challenge

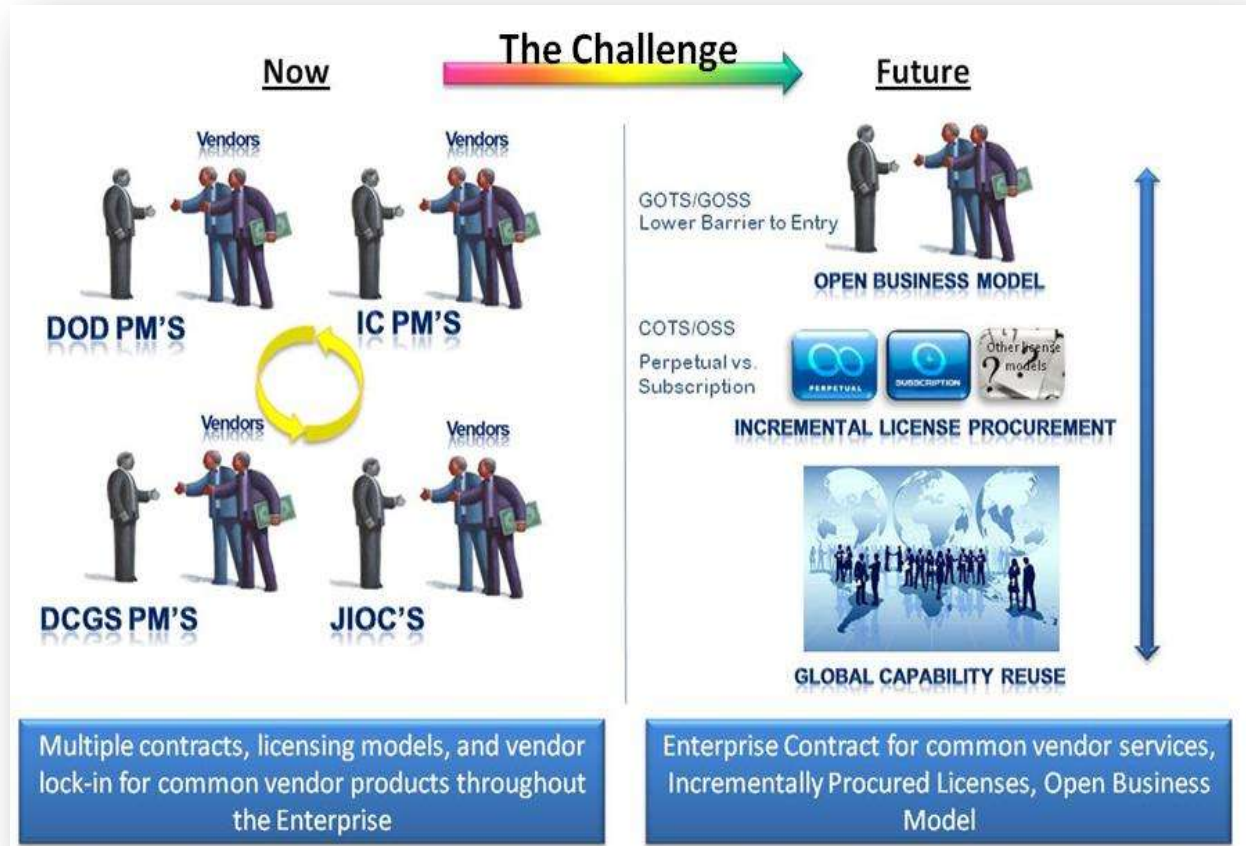
DEFENSE INTELLIGENCE INFORMATION ENTERPRISE

➤ Encourage Efficiencies and Enterprise Service Sharing through reuse of contract acquisition language

➤ Move to Open Business Models to tap into extensive capability while lowering the barrier to contribute

➤ Choose acquisition approaches that incentivize traditional (e.g. award fee, incentive fee for service reuse, etc.) and non-traditional participation (shared risk)

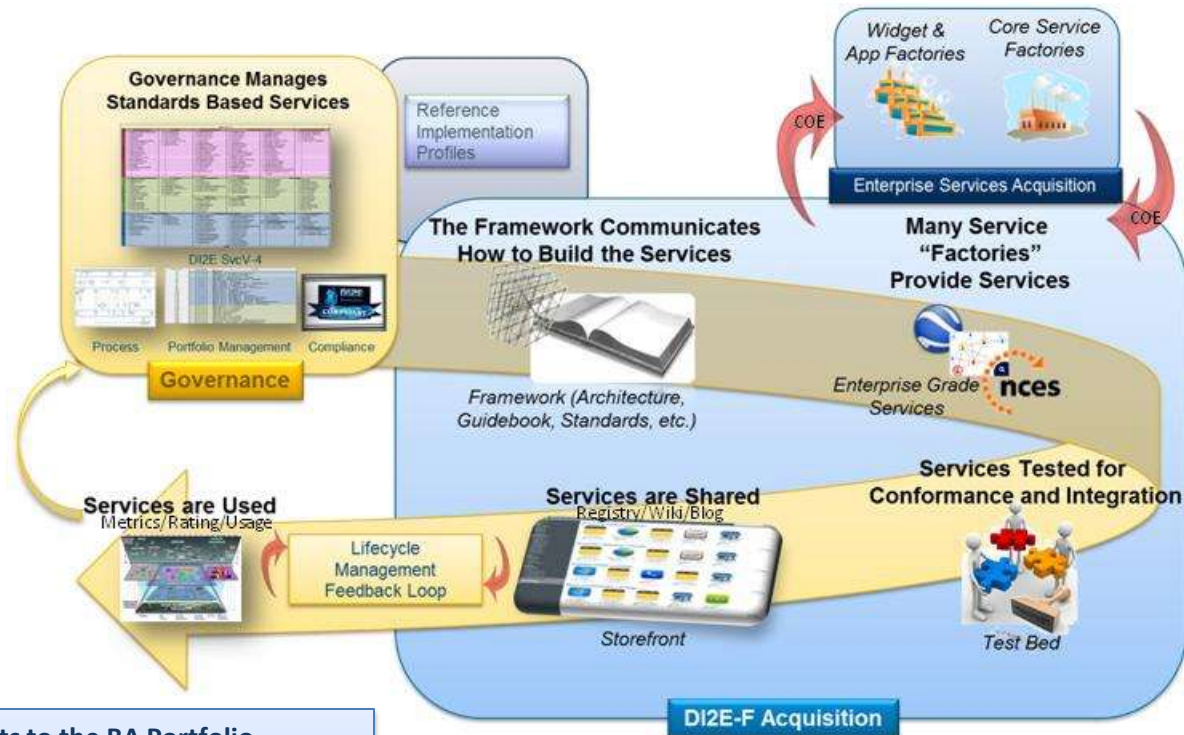
➤ Avoid previous business model and licensing pitfalls; leverage DoD and IC lessons learned



Move toward Open Business Model and Enterprise Approach to Acquisition

Defining DI2E Framework

DEFENSE INTELLIGENCE INFORMATION ENTERPRISE



➤ Standard Acquisition

- Individual systems designed to address their own needs
- Software components "hard-wired" together
- Vendor lock-in

- Not Compatible**
- Not Reusable**
- Not Interoperable**

➤ Improved Acquisition (DI2E Framework)

- Componentizing to enterprise-grade

- Compatible**
- Reusable**
- Interoperable**

- Separating data, apps, core services, visualization, etc.
- Enables a true service-oriented architecture (SOA)

➤ Benefits to the BA Portfolio

- Greater Reuse
- Improved Agility and Speed to Market
- Cost Savings
- Enhanced Interoperability
- Assured Tiered Accountability

DI2E Framework: A New Acquisition Model Driving Greater Efficiency, Reuse, and Interoperability

DI2E Framework Objectives

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- Reduce Duplicative Development
- Reduce Timelines for Capability Delivery
- Provide Agility for Changing Requirements
- Increase Enterprise-Wide Information Sharing
- Optimize Use of Declining Resources
- Align with JIE and IC ITE



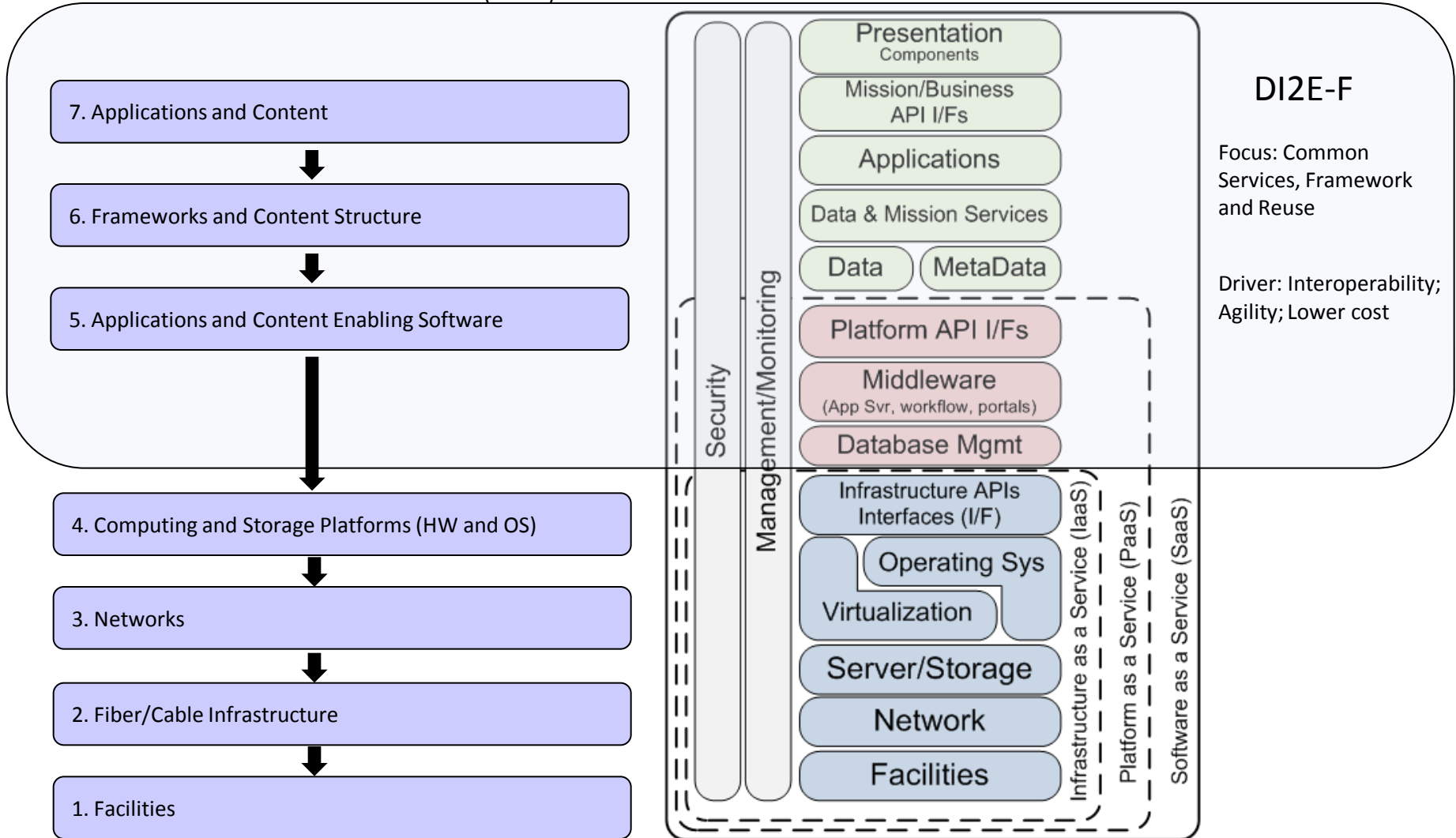
The DI2E Framework goal of enterprise consolidation directly aligns with the Government-wide initiative to move towards a more efficient, effective, and cost-conscious methodology of doing business.

DI2E-F Architecture Focus

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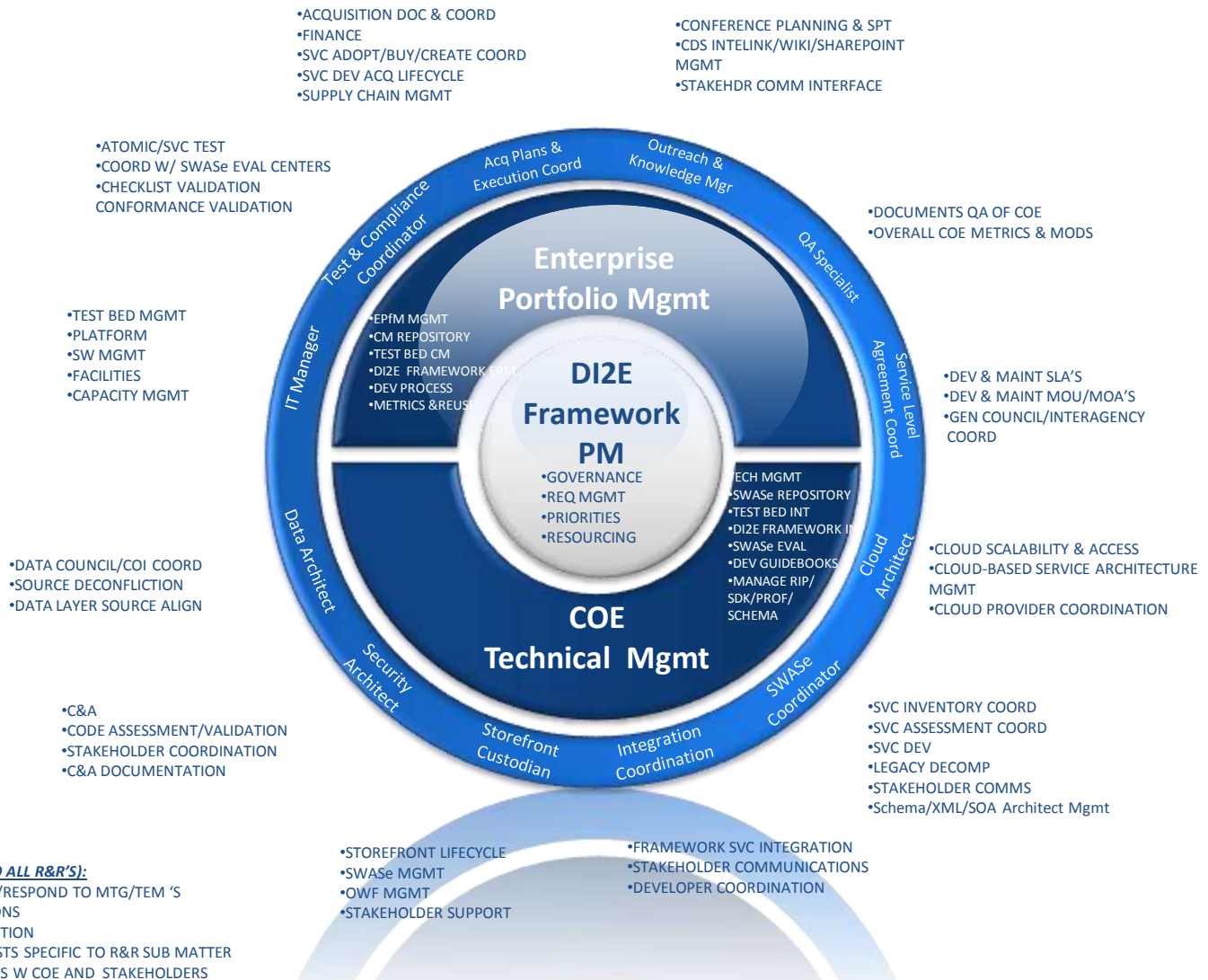


Joint Architecture Reference Model (JARM)



DI2E Framework PMO

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D12E Framework Center of Excellence



D12E Framework PMO

D12E Test Bed

Federally Funded Research and Development Centers (FFRDC)

Industry Partners

Academia

National Labs



- Enterprise Grade Services
- Guidebooks
- Reference Implementation
- Support to Developers
- Conformance Testing
- Integration Support
- Standards/Specs
- Service Lifecycle Management



Google Process

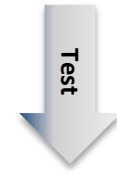
Google Store



Developer "x"



Application "x"



Compatibility Check with Android OS and HW

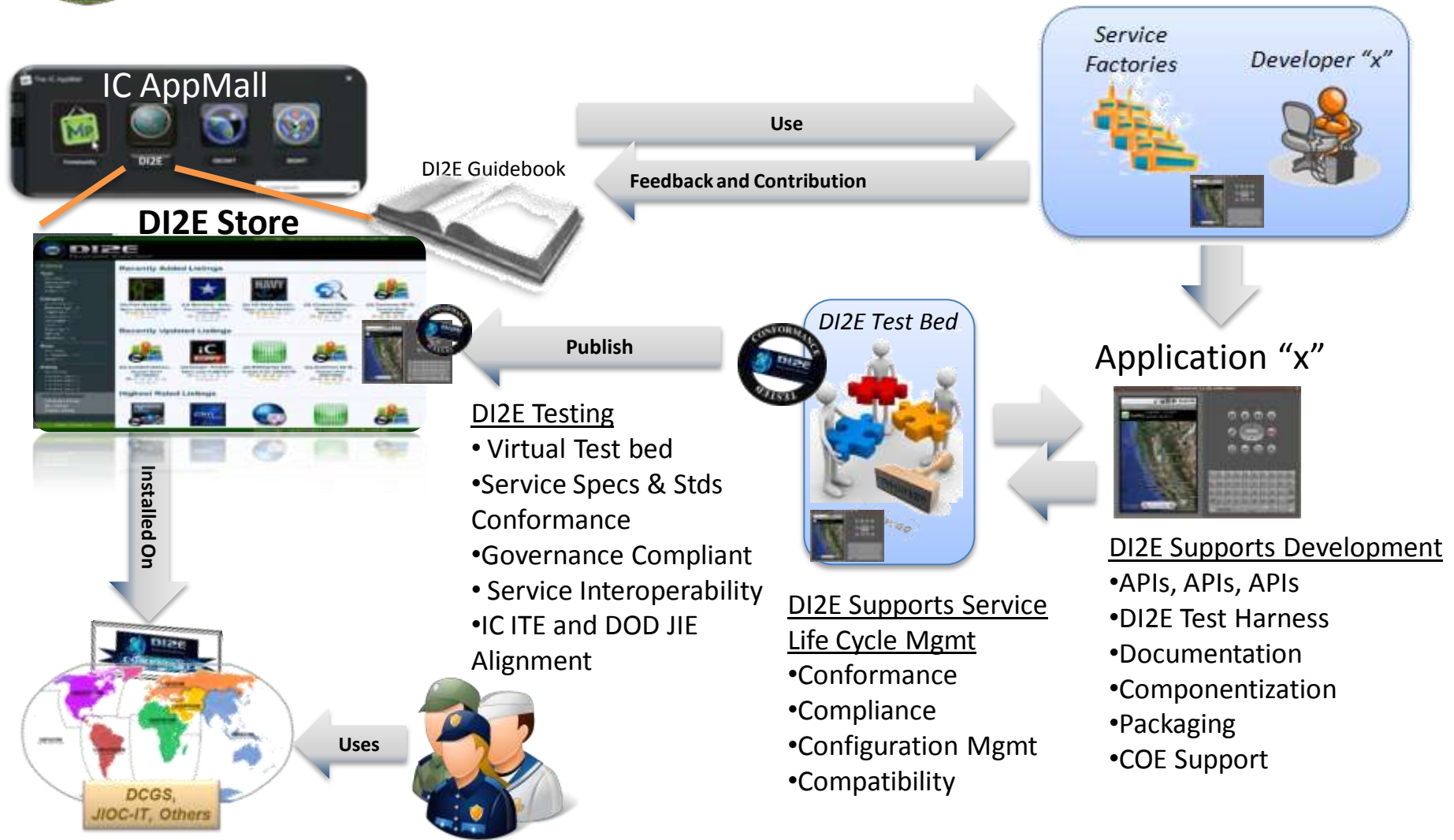


Test Tools





DI2E Framework Process



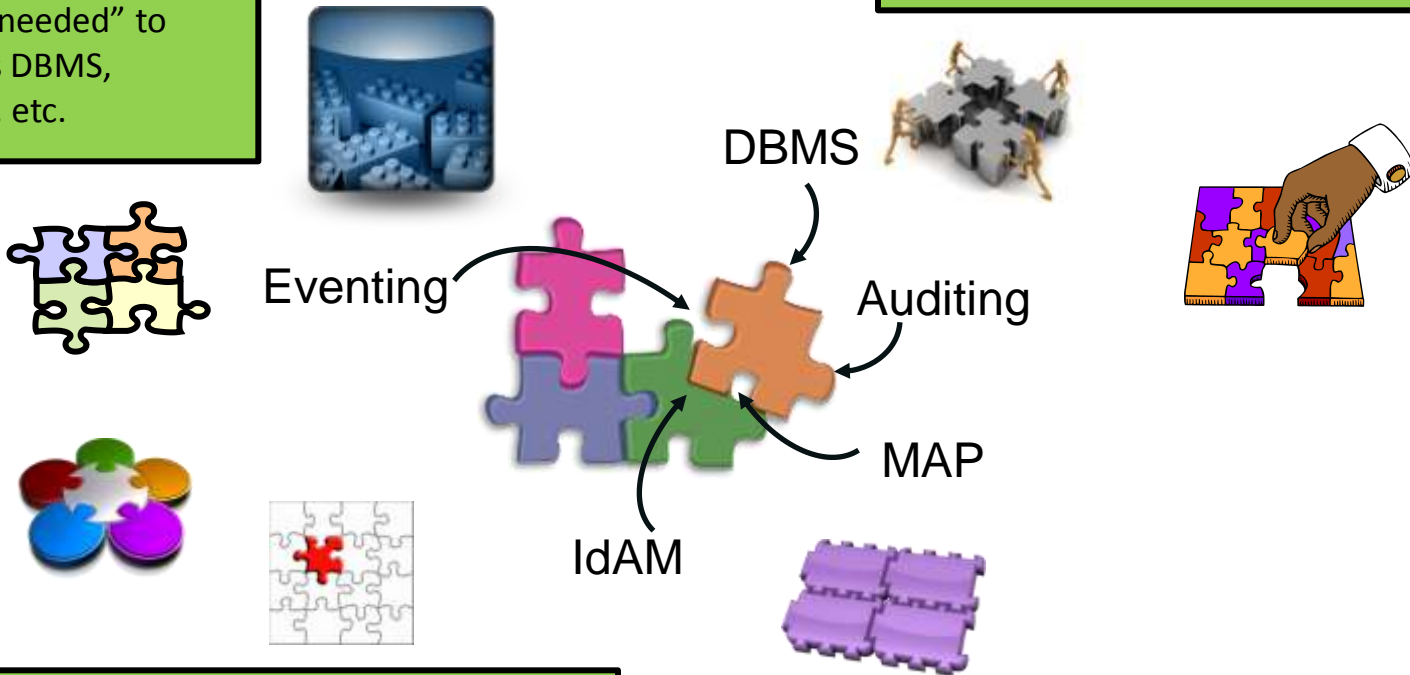
Same Process, Different Business Model

Step 1: Componentization

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1. In a tightly coupled Software design, a coder builds new and unique interfaces "as needed" to directly access DBMS, security, map , etc.

3. DI2E provides the methodology for the way the government codifies, documents and packages "Glue ware".

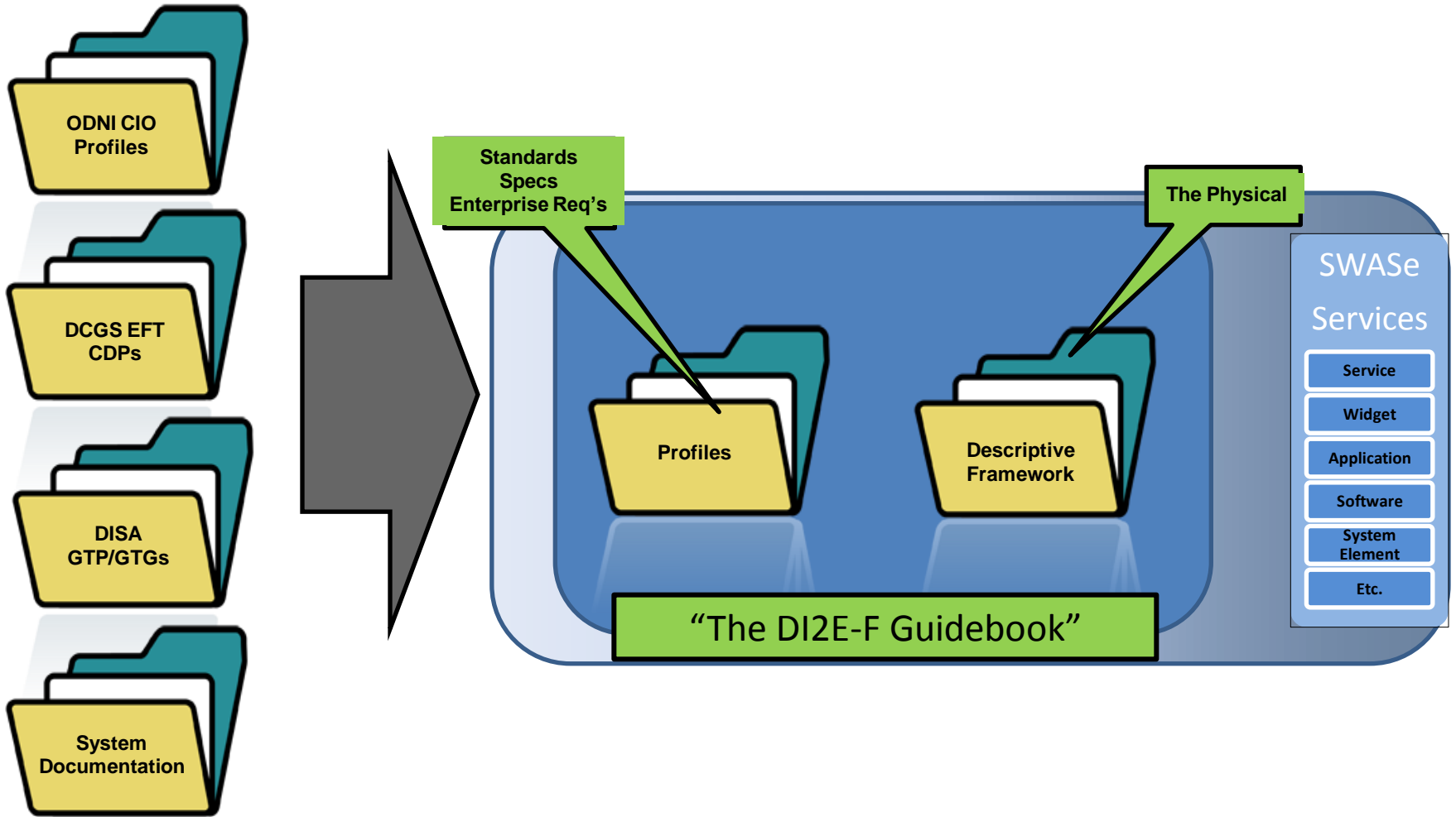


2. To properly decouple, the coder Needs a standardized interface to Directly access DBMS, security, map, etc.

Productizing the Standard Interfaces for Proper Decoupling



Step 2: Documentation

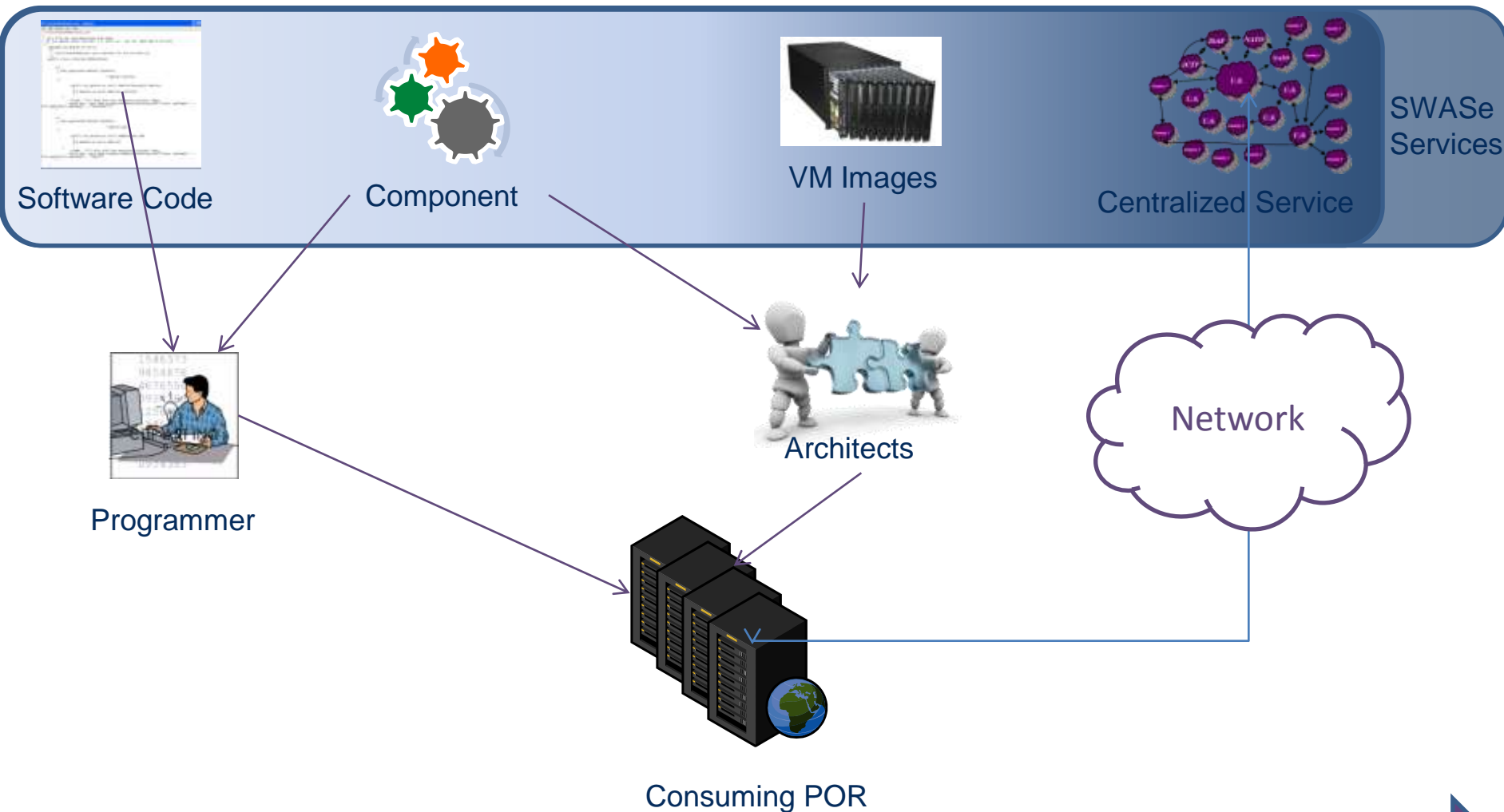


Leveraging and Molding Existing Information to Document an Enterprise Component



Step 3: Packaging

Multiple Packaging Methods for Different Consumers



Less Desirable More Desirable

Step 4: Reuse

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DI2E Framework Services



Software Engineer



Implementation
Guide Books

Implementation
Team

Autonomy to
Integrate

Conformance Tested
Services



Result



Decoupled

Interoperable

Reusable

Solves Multiple
Integration Issues

1. Autonomy –

- a. Government Program Offices will have the autonomy to integrate, modify, change the Service to meet their requirements

2. Funding –

- a. For new services or changes to existing services (DI2E Governance)

3. Assistance –

- a. Implementation Team to assist with integration



How to Participate

Intelipedia Unclassified: https://www.intelink.gov/wiki/DI2E_Framework

Intelipedia SIPRNet: https://www.intelink.sgov/wiki/DI2E_Framework

Intelipedia JWICS: https://www.intelink.ic.gov/wiki/DI2E_Framework

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Questions