Integrated Intelligence for Mission Value

MUG = Mission

Capability

Technology = IC ITE
Agency CIO Commodity
(How the CIO leverages IC services and makes up for mission unique needs)

- TRANSITION PLAN
- SLA
- ADOPTION RDMAP
- TRANSITION SCHED
- RISK MANAGEMENT

IC ITE Commodity

- DEPLOYMENT PLANS
- SLA
- SERVICE CATALOG
- SERVICE TRAINING
- INTERAGENCY AGREEMENTS
- SCHEDULES

The IC gains economies of scales by identifying investments used by a large percentage of the agencies and make it a IC ITE commodity offering.
Agency CIOs gain economies of scales by identifying investments used by a large percentage of the workforce and make it a DIA CIO commodity offering.

**End User Capability**
(Users onboard via 4 options for application migration)

- APP MIGRATION PLAN
- SLA BY CAPABILITY OWNER

**Agency CIO Commodity**
(How the CIO leverages IC services and makes up for mission unique needs)

- TRANSITION PLAN
- SLA
- ADOPTION RDMAP
- TRANSITION SCHED
- RISK MANAGEMENT

**IC ITE Commodity**
(All Services Provided)

- DEPLOYMENT PLANS
- SLA
- SERVICE CATALOG
- SERVICE TRAINING
- INTERAGENCY AGREEMENTS
- SCHEDULES

Gain economies of scales by identifying investments used by a large percentage of the workforce and make it a CIO commodity capability.
MISSION USER GUI TO IC ITE

IC ITE Compliant Browser

Desktop Environment (DTE)

A P P S A P S P S (AML)

EMT: Service Catalog

Joint Store Front

C2S GovCLD

Desk side Support

Password Repair

DoDiIS Service Catalog

NRO
Software
Database
Service 1
Service 2
Service 3

NGA
Software
Database
Service 1
Service 2
Service 3

NSA
Software
Database
Service 1
ABR
GMAE

CIA
Software
Database
Service 1
Service 2
Service 3

DIA
Software
Database
Service 1
Service 2
Service 3

Infrastructure Abstraction Layer

Authentication, Authorization & Auditing (IAA)

Service Broker

GovCLD IaaS
-Comp. Utility CLD
-Storage CLD

C2S IaaS
-Compute Ec2
-Storage S3
-Storage EBS
-Storage Glacier

DIA CIo3:
DoDiIS Existing Infrastructure
-Compute
-Storage

DTE Utility CLD
-Comp. Utility CLD
-Storage CLD

NRE

UNCLASSIFIED//FOUO
IC ITE Info Sharing: Thru Gov CLD

GOV CLOUD

Value Proposition
- Putting metadata, at least, in one database allows correlation not otherwise feasible
- That metadata repository, with scale and ABAC security, is IC - GovCloud’s Data Component
- Ingest into IC-GovCloud is extensible; can add new COPILOT "places" for new data types

Data Component
- specific to GovCloud’s “Data Services”

MapReduce: processing large data sets with parallel, distributed algorithm on a cluster

Pre-processing
- Raw Collection
  - DIA
  - NGA
  - CIA
  - NSA
  - NRO

ABR as query app in the AML

Apps Mall
- Pre-processing
  - Common Ground Initiative (CGI)

Raw Collection
- Data
  - Data
  - Data
  - Data
  - Data

ABR as batch service

GMAE as batch service

IC ITE Public Storage
- C2S
- AWS S3

GovCLD Utility Cloud Storage

IC Cloud (C2S/GovCLD)

Pressure Wave (PWV)
- PWV– Storage IC consumer data; analyzed, raw, etc.

DoDIIS Storage
- Intel
- Raw
- Business

ICITE Public Storage
- Intel
- Raw

GovCLD Utility Cloud Storage
- Intel
- Raw

DataWave
- EDA
- TCDL
- Tokenize
- Parse

Items
- E1
- E2
- E3

Operation | SQL | HTTP
--- | --- | ---
Create | INSERT | PUT / POST
Read (Retrieve) | SELECT | GET
Update (Modify) | UPDATE | PUT / PATCH
Delete (Destroy) | DELETE | DELETE

Agency unique capabilities/applications requiring more involved (CRUD) create, read, update and delete operations, to enhance the viewing, searching and changing of information.

May still require to store data in DoDIIS Infrastructure, because:
- Of capacity challenges
- Data titles and authority’s

Storage Component- Place to put data objects with a unique id for later retrieval - safely stored in multiple places with high availability
- Similar but Different: IC-GovCloud (PWV) and C2S (AWS S3)
- Security Model differs: Smart Data vs. "Account Owner" (resp.)
- i.e. Anyone with the right attributes vs. only the owning “account”
MATURATION OF IC ITE

2013

DODIIS

IC ITE

2014

DODIIS

IC ITE

2015

DODIIS

IC ITE

2016

DODIIS

IC ITE

2017

DODIIS

IC ITE

2018

DODIIS

IC ITE

“Do In Common, What Is Commonly Done”