



NARA Industry Day Panel Discussion Rob Carey, Principal Deputy DoD CIO

10 Sept 2013

Office of the DoD Chief Information Officer



Overview

- Challenge -- What is the DoD challenge?
- Vision -- Where do we need to be?
- Change -- What will it take to get there?
- Value -- What benefits can be realized?





Challenge

What is the DoD Challenge?

**Treat information in a holistic,
integrated and comprehensive manner
throughout its lifecycle**

*Records Management is but a slice of a
much larger Information challenge*



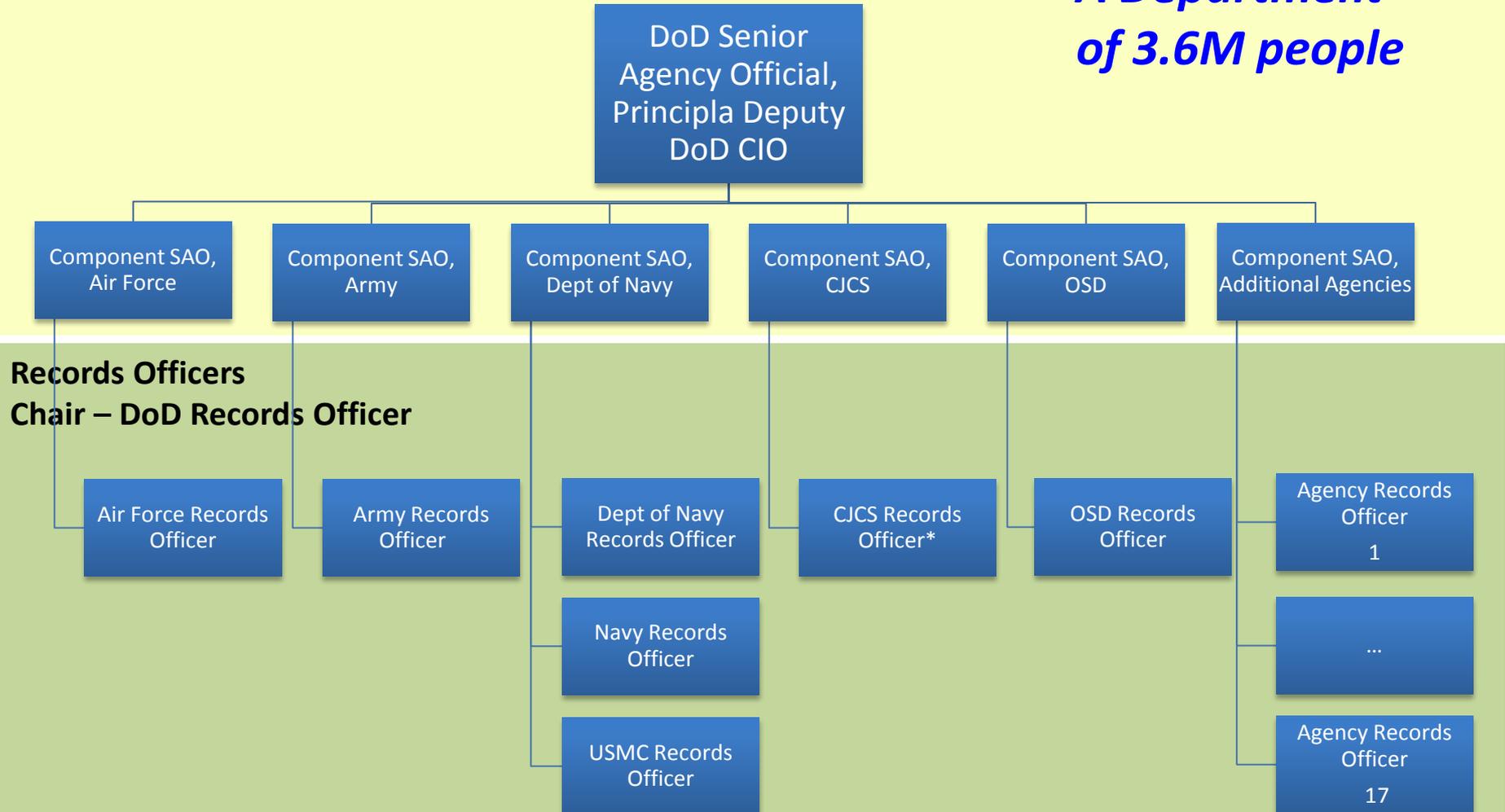


Challenge

How is RM Organized in DoD?

Senior Agency Officials (SAO)
Executive Secretary – DoD Records Officer

*A Department
of 3.6M people*



Records Officers
Chair – DoD Records Officer

**CJCS Records Officer has oversight for Combatant Commands*



Vision

Where do we want to be?

Desired Outcome:

Better decisions faster; Decisive action sooner

Enabler:

*Information: Anytime,
Anywhere, Any Place**

*JV 2020

5

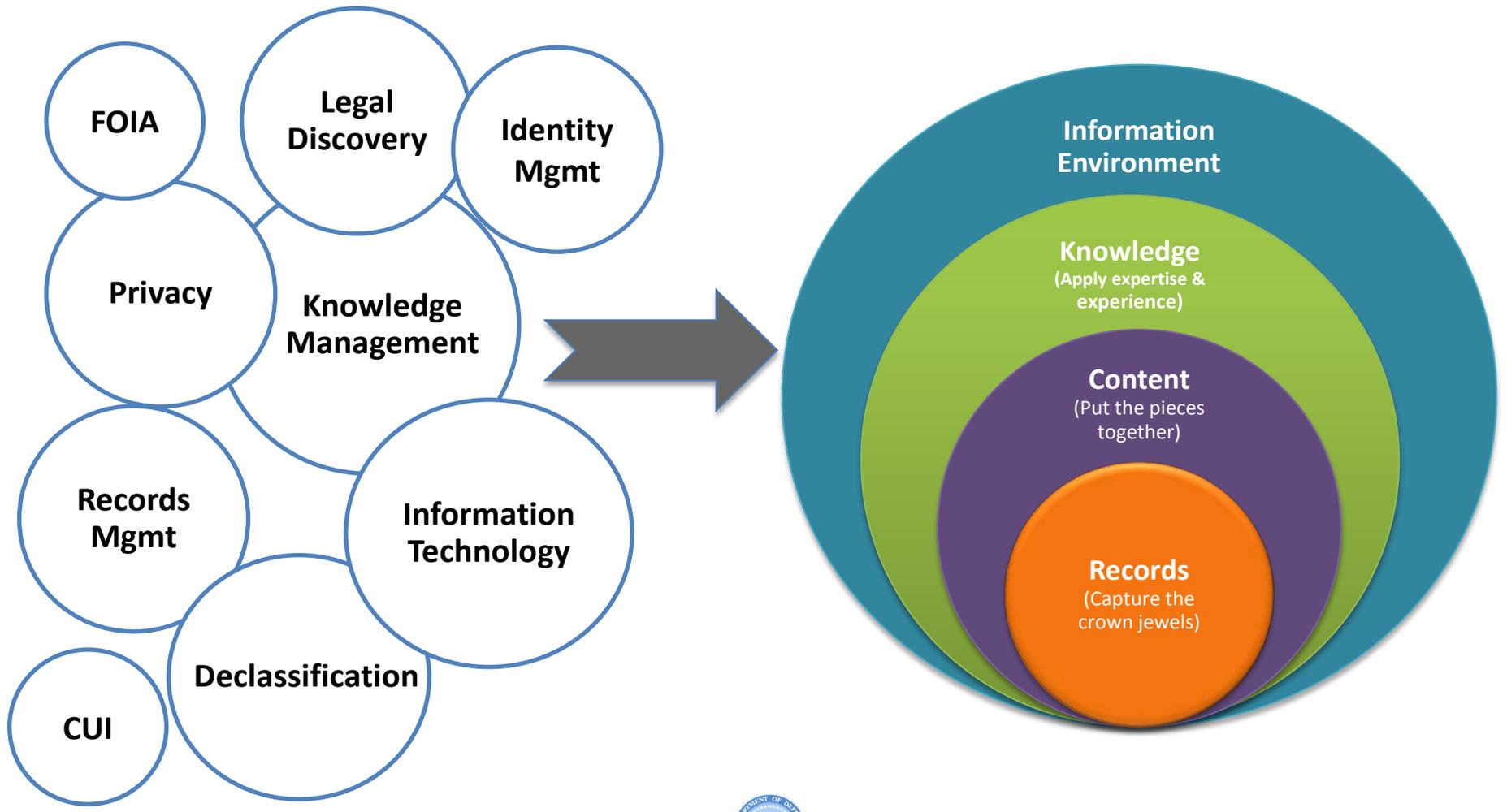


Unclassified



Change

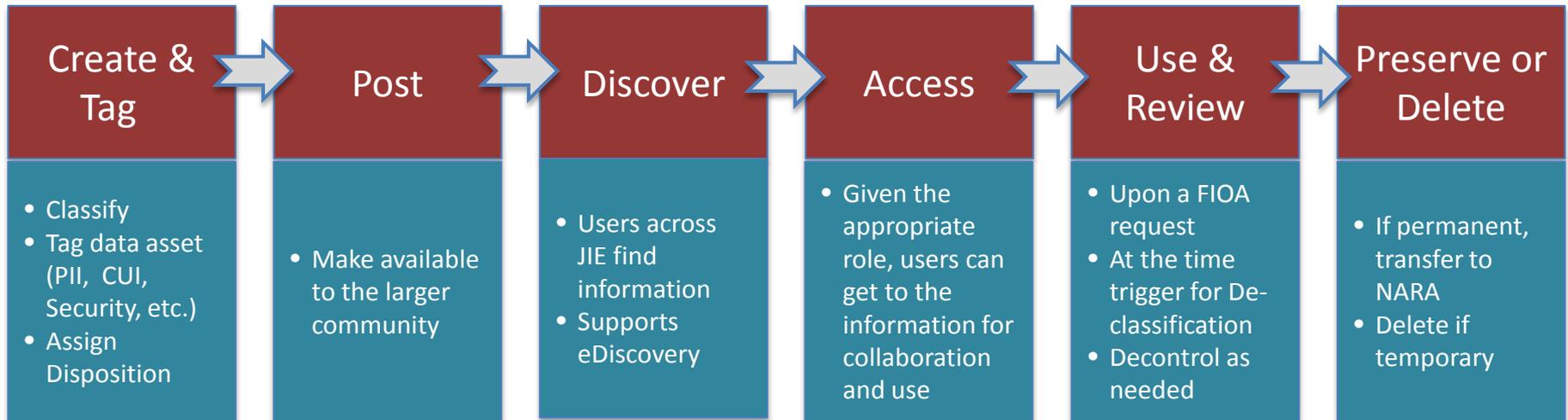
How do we think about information?



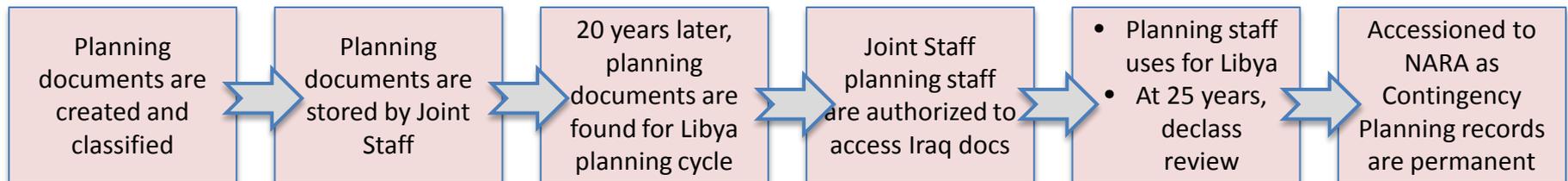


Change

What is the information life-cycle?



Example: Iraq No-Fly Zone Planning Documents





Change

How can we flip the RM model?

FROM	TO
<i>Paper</i>	<i>Electrons</i>
<i>Boxes and Shelves</i>	<i>Electronic RM</i>
<i>Stovepipes</i>	<i>Information Environment</i>
<i>Unique Applications</i>	<i>Enterprise Services</i>
<i>Fee-for-Service</i>	<i>Self Service</i>
<i>Dewey Decimal System</i>	<i>Search Engine</i>





Value

What benefits can be realized?

- Greater information access and availability
- Decision Agility
- Significant cost savings (storage and service)
- Timely citizen/veteran response
- Transparent to the user
- Comprehensive legal discovery

If we address information from a life-cycle perspective, we can turn the current RM business model on its head!





Backup





Challenge Where is DoD Today?



Hundreds of sub-optimal data centers and networks incur **unnecessary costs**



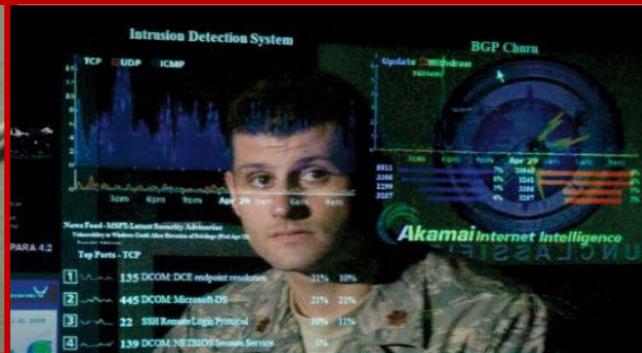
Limited interoperability reduces information sharing and collaboration on mission threats



Increasing demand for **new technology** on **rapidly** evolving devices



IT Programs average **81 Months***
Cannot rapidly and efficiently field new technology to meet warfighter needs



Cybersecurity vulnerabilities threaten to exploit classified information and endanger our national security



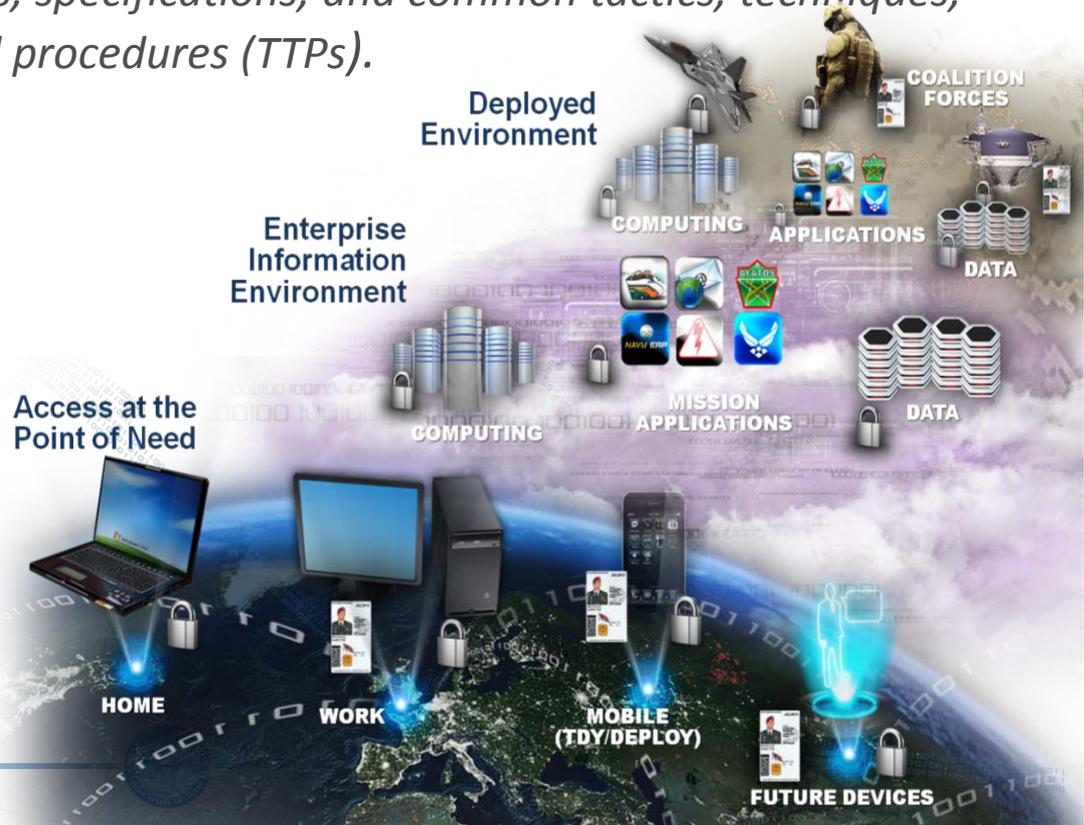
Current IT delivery process hinders our ability to take advantage of **new commercial technology**



Vision How will we get there?

A secure joint information environment, comprised of shared information technology (IT) infrastructure, enterprise services, and a single security architecture to achieve full spectrum superiority, improve mission effectiveness, increase security and realize IT efficiencies. JIE is operated and managed per Unified Command Plan (UCP) using enforceable standards, specifications, and common tactics, techniques, and procedures (TTPs).

The Joint Information Environment



- JIE is NOT:**
- Program of Record / Joint Program Office
 - Turn key solutions
 - Independent way of doing things



JIE Before-and-After

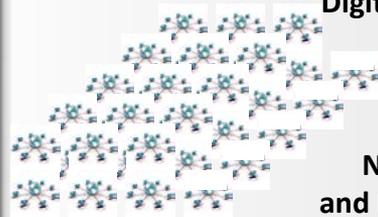
DoD IT Before JIE...



~1850 CC/S/A
Data Centers



Digital Credentials



~15,000
Networks
and Enclaves



Legacy Phones
and Desktop PCs

Why it matters...

*Provides IT that is agile,
resilient, and more responsive
to warfighter mission needs*

*Reduces available network
avenues of attack against
DoD networks*

*Makes it harder for insiders
to threaten DoD networks
and data*

*Reduces DoD IT costs
through smart enterprise
optimization and
consolidation*

DoD IT After JIE...

~100 JIE Core
Data Centers



Unique Digital IDs for
people, systems and
tagged data

~3,000
Networks and
Enclaves



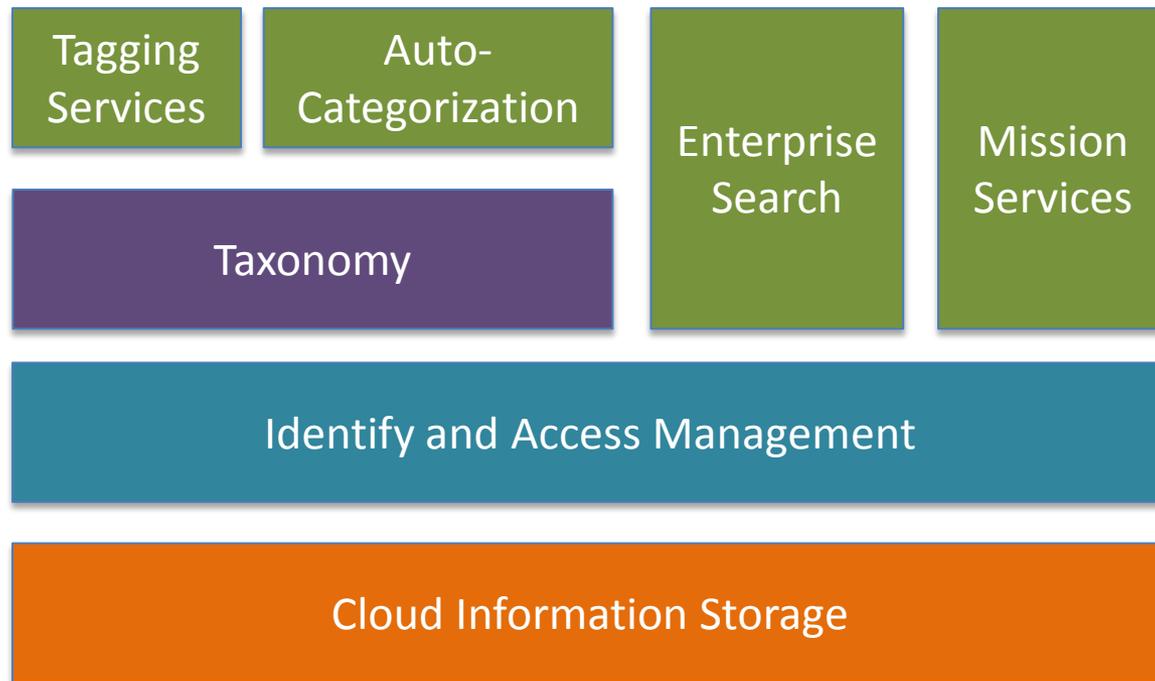
Mobile Devices
and Unified
Communications





Change

Where are the IT opportunities?



JIE – Shared IT Infrastructure, Enterprise Services, Single Security Architecture





Value

What benefits can be realized?

- Significant Savings
 - Storage Costs
 - Service Costs
 - Service Speed
- Information Availability
 - To Citizens
 - To Litigators
 - To Veterans
- Benefits –
 - *Significant cost savings (storage and service)*
 - *Shorter service timelines*
 - *Transparent user interface*
 - *Comprehensive legal discovery*
 - *Enhanced information sharing*
 - *Assured safeguarding of information*

***Imagine for a moment...
We could put St. Louis
out of business...***





Stuff not being used right now





Transformation

What does it take?

People → iTribe

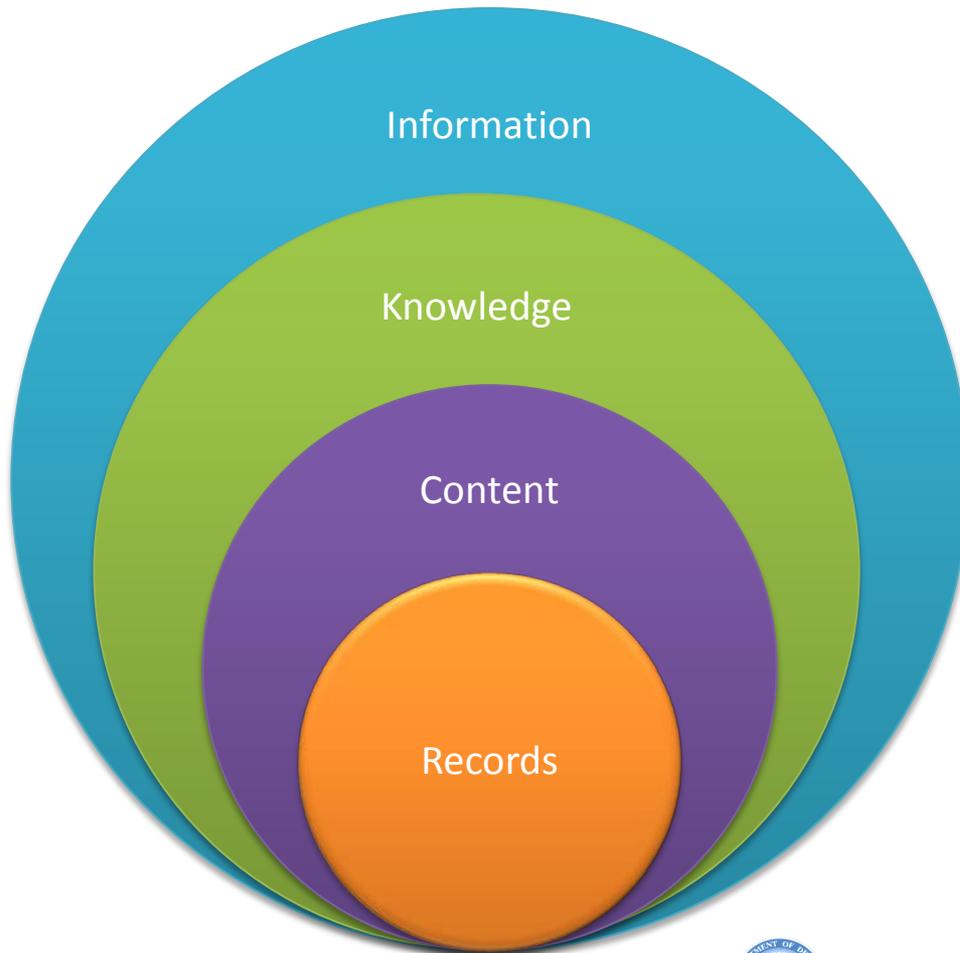
Process → Integrated Information
Lifecycle

Technology → JIE





Information Management



- Records are “the crown jewels” – you don’t manage them because of the law (compliance), the law exists to ensure your organization keeps its most important information.



Why the Joint Information Environment (JIE)?

- Exploding technologies
- Demanding scope
- Increasing threat
- Decreasing budget
- Demanding efficiencies



“Together, we will strengthen the DoD by delivering the agile and secure information capabilities needed to enhance our nation’s combat power and decision making.”

Teresa M. Takai, DoD CIO



Guiding Principles

- All stakeholders are committed to achieving the end state
- DoD IT will operate in an enterprise model with enforced governance
- Mission success is the first priority
- Common technical standards and processes are the default; uniqueness may be allowed when essential for mission success
- We will maximize utilization of existing efforts to include the IC and Coast Guard
- We must and will enhance security
- We will operate within the existing statutory framework
- We will align with the Requirements, PPBE, and Acquisition processes to achieve the end state

Leadership's Intent: Agreed to across the Department





Benefits of JIE

- **Enhanced Mission Effectiveness**
 - Rapidly and dynamically respond to and support changing mission information needs for all operational scenarios
 - Users and systems will have timely and secure access to the data and services needed to accomplish their assigned missions, regardless of their location
 - Users and systems can trust their connection from end-to-end
 - Capabilities are remain available during contested or degraded cyber events
- **Increased Security**
 - Able to jointly See, Block, Maneuver across the whole of the DoD Information Network
 - Knowledge of the network, the data, and accesses with role and persona attribution
- **Achieved IT Efficiencies**
 - Information assets are joint assets, leveraged by all for Department missions
 - Consistent IT architecture enables rapid and agile technology insertion
 - Greater visibility into IT expenditures through increased transparency

JIE: Enhancing the Nation's Strategic Flexibility

