



# Achieving DoD IT Effectiveness

February 6, 2012

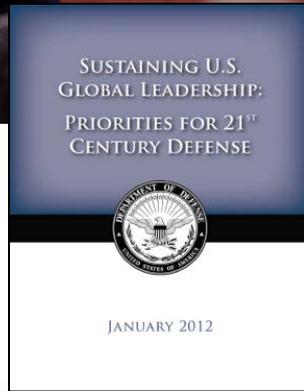
**Teri Takai**

Chief Information Officer  
Department of Defense

# IT is Central to DoD Missions



# POTUS: “DoD will be Agile”



Defense Security Review, 5 Jan 12

*“Our military will be leaner, but the world must know the United States is going to maintain our military superiority with armed forces that are **agile**, flexible and ready for the full range of contingencies and threats.”*

President Obama

*“The U.S. joint force will be smaller, and it will be leaner. But its great strength will be that it will be **more agile**, more flexible, ready to deploy quickly, innovative, and technologically advanced. That is the force for the future.”*

Secretary Panetta

# Current DoD IT Environment



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



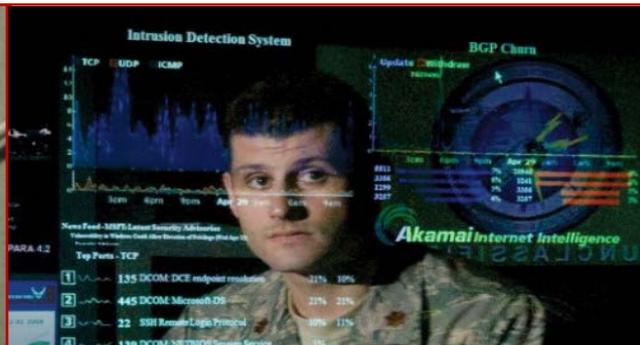
**Limited interoperability** reduces information sharing and collaboration on mission threats



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**

# Today's Challenge

- Services do not share understanding of:
  - Architecture, requirements and way ahead
- Action Plan: DoD CIO with Joint Staff and USCYBERCOM
  - Convene an Executive Group comprised of Services and USCYBERCOM components
  - Translate Enterprise vision into executable roadmap
  - Ensure roadmap defines impact at tactical edge

*Success Requires a Team Effort*

# Stovepipes to Enterprise

**From:**

**Unique**

**Local**

**Proprietary**

**Huge**

**Inaccessible**

**Disparate**

**Cylinders of Excellence**

**Vulnerable**



**To:**

**Common**

**Global**

**Open**

**Modular**

**Interoperable**

**Homogeneous**

**Standardized**

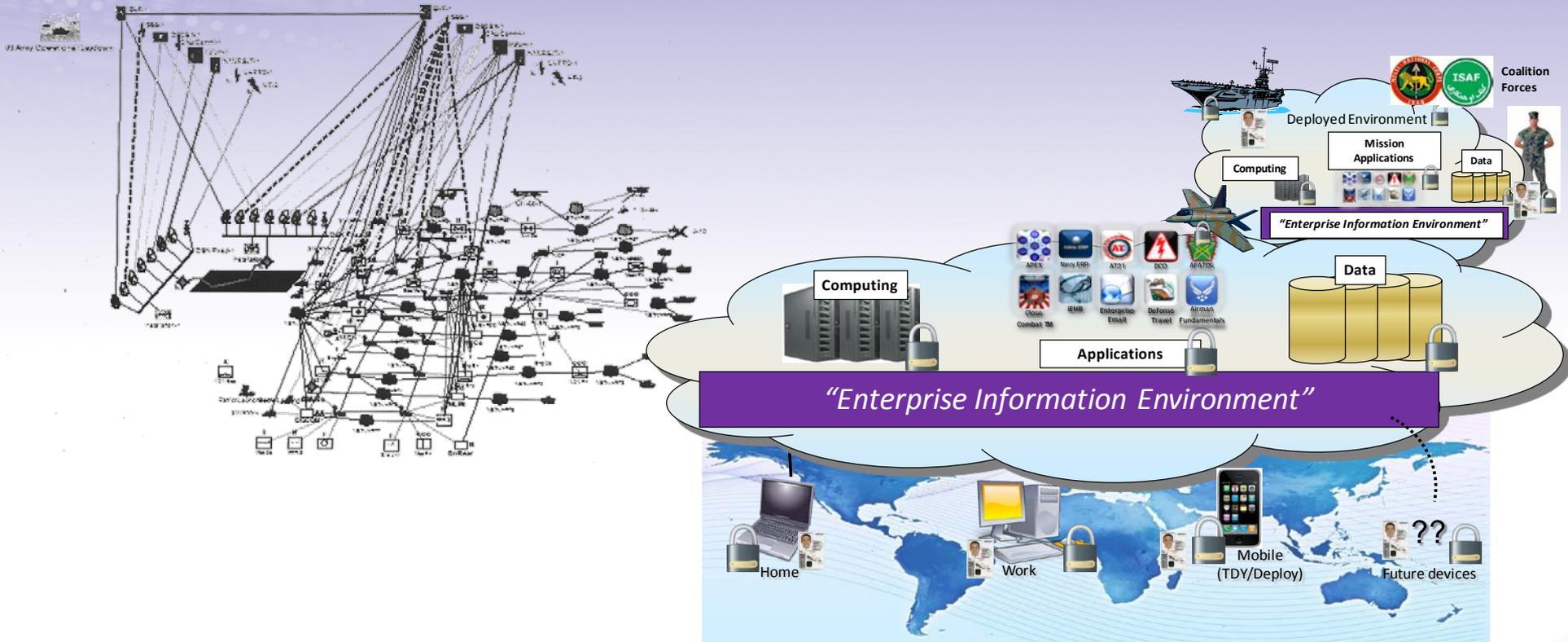
**Secure**

*The Only Way to Transform is to Demand the Level of Standardization and Commonality Required to Work Together*

# Joint Information Enterprise End State

From This:

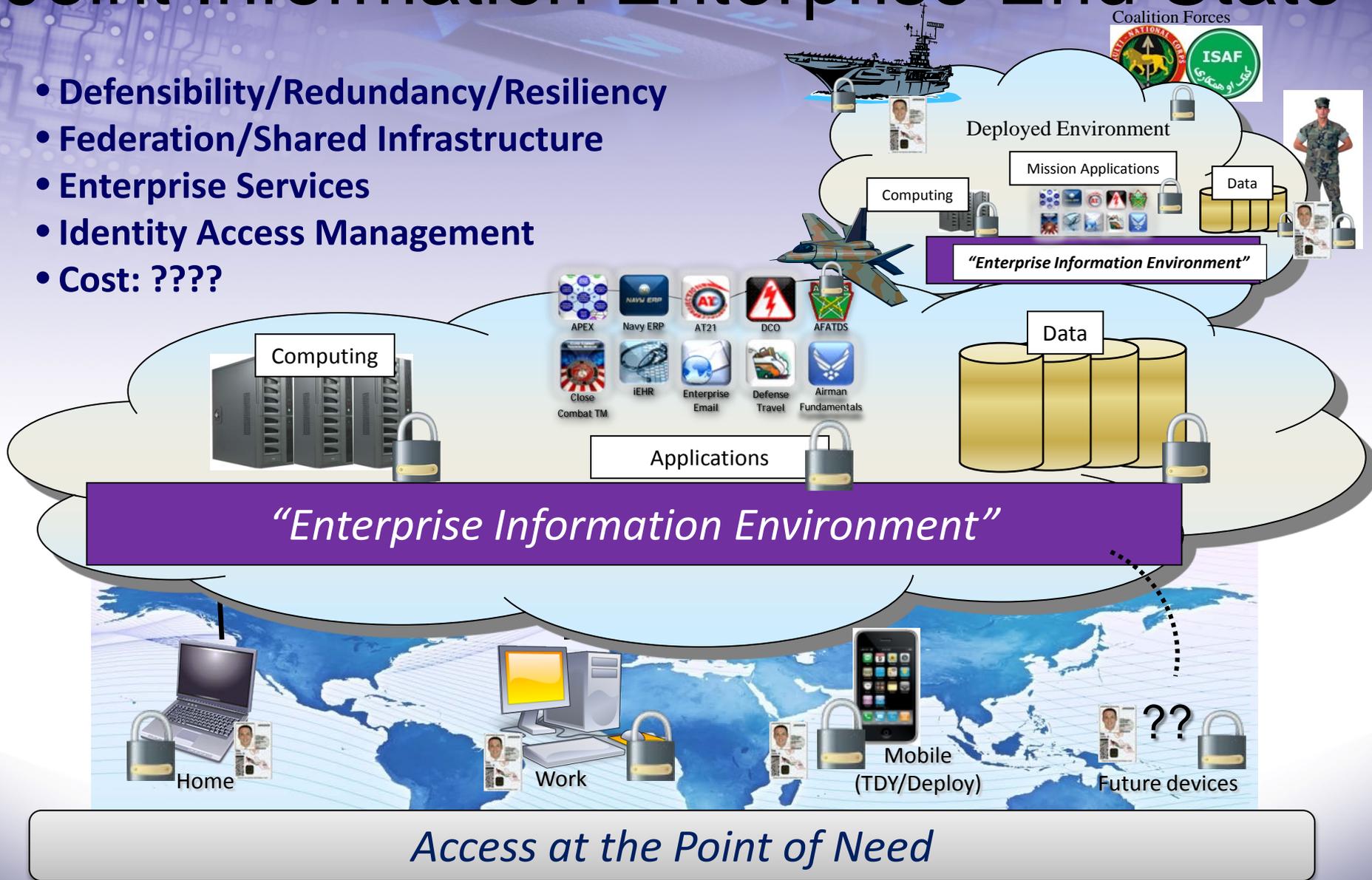
To This:



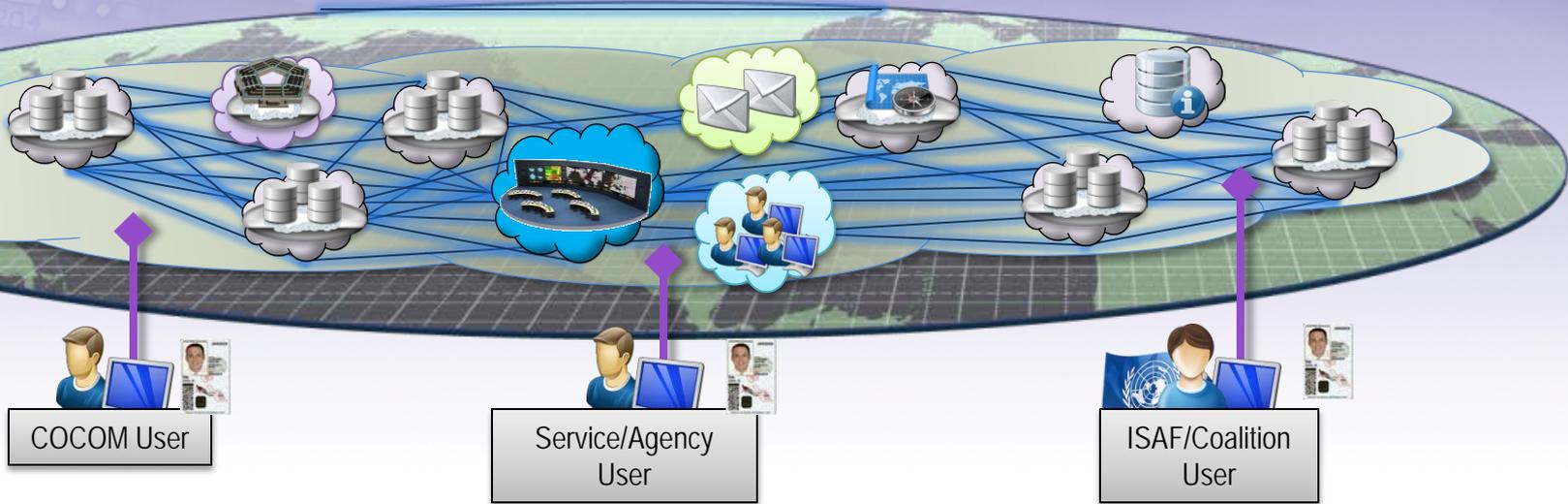
*DoD Must Change*

# Joint Information Enterprise End State

- Defensibility/Redundancy/Resiliency
- Federation/Shared Infrastructure
- Enterprise Services
- Identity Access Management
- Cost: ????



# Future Security State



Data Tagged and Wrapped  
Identity Access Management  
Federated/Enterprise Network  
Enables C2 Cyber Ops

# DoD IT Effectiveness

FY12

FY17+

Consolidate Data Centers	>770		↓	<100	
Network Optimization	Duplicative		↓	Federated/ Enterprise	
Consolidated Network Ops Centers	65		↓	25	
Replace legacy phone switches			↓		
Reduce reliance on PCs	Desktop PCs		↓	Client-based Technology	
Consolidate H/W and S/W Procurement	Multiple Contracts		↓	Enterprise Contracts	
Reduce duplicative IT staff			↓		
Purchase Green IT to reduce energy use			↓		
Plan of Action & Milestones (POA&M) Rough Order of Magnitude (ROM): TBD					
Bottom Line: DoD IT Annual Budget	\$38.4B		↓	\$?????	

# Our Approach

- Build Joint Information Enterprise architecture
- Produce milestones to drive implementation
- Optimize information, network, and hardware
- Optimize support software
- Provide common applications

*Codified in the DoD IT Enterprise Strategy and Roadmap*

# Future DoD IT Environment



**Reduced costs** for data centers and applications



**Improved interoperability** for better coordination and collaboration



**Improved user satisfaction** and **mission success**



**Faster, more responsive** capability deliveries to **Warfighters**



**Improved security** to reduce cyber threats



**Faster adoption** of commercial IT breakthroughs

# Backup Slides