



Defense Information Systems Agency

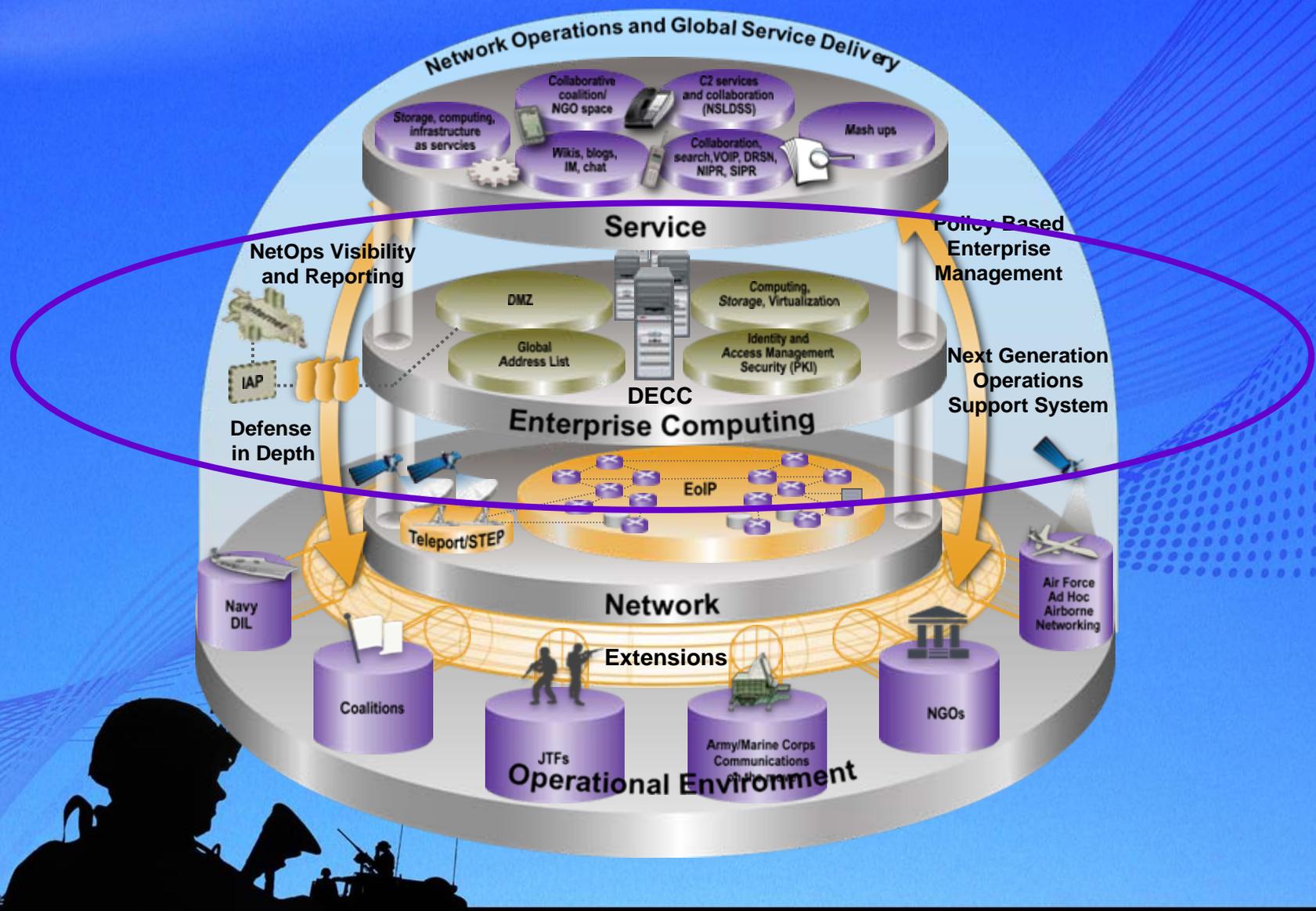
A Combat Support Agency

# Computing Services

---

**Alfred J. Rivera**  
**Director, Computing Services**  
**28 July 2010**

# The Enterprise



# Guiding Principles

- **Operational excellence in all aspects of data center management**
  - Facilities and communications infrastructure
  - State-of-the-art toolsets for operators and technicians
  - NetOps processes and procedures
- **A cost-effective business environment to support the warfighting customer**
  - Consolidation and virtualization of computing assets, wherever practicable
- **Speed in delivering capacity to the datacenter floor**
  - Managed services partnerships
- **ITIL-based processes**

# Looking Ahead

**So, what's our focus for the  
next 18-24 months**

**and**

**Where can you help?**

# Software as a Service

## Customer Facing

- Large user baseline - continually changing and growing
- Vendor partnership
- DECC hosted
- Tier III support provided by partner
- User self-service provisioned

## Supplier Facing

- Software planning and acquisition lead time challenges
- Large number of software vendors
- Large mainframe inventory
- Significant licensing complexity

## Common Characteristics and Benefits

- Software managed on “usage” basis
- Negotiated prices established
- Future versions/releases included
- Maintenance and patches provided
- Ability to rapidly grow/change/reduce baseline
- Technology infused on timely basis
- No out-year capital projections required
- Partnership with vendor(s)

# Platform as a Service

## Enterprise Sharepoint as a Service (ESPS)

Web hosting service providing DoD commands, services and agencies a flexible web-based content hosting solution.

- Specifically designed as a self-service solution
- Provides organizations the ability to independently create and manage their community, organization, and mission focused information resources.
- Subscribing organizations may brand their sites and content to meet their needs and also take advantage of the standardized taxonomy and templates afforded to the community as a whole.

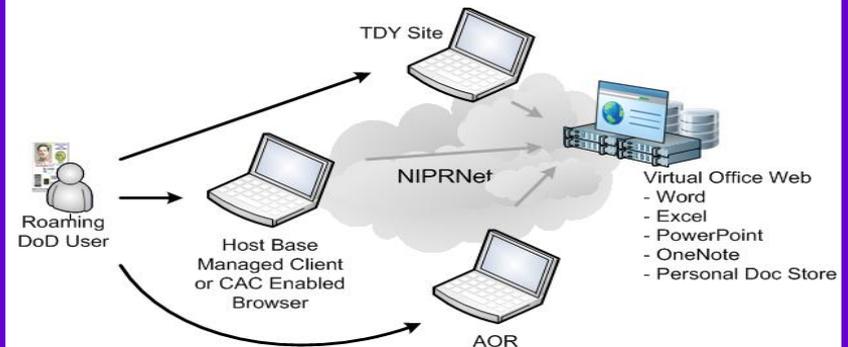
This service offering is flexible to customer size and needs:

- Per user pricing model
- Shared service or dedicated hosting based on customer size and customization needs

## DoD Virtual Office (VOffice)

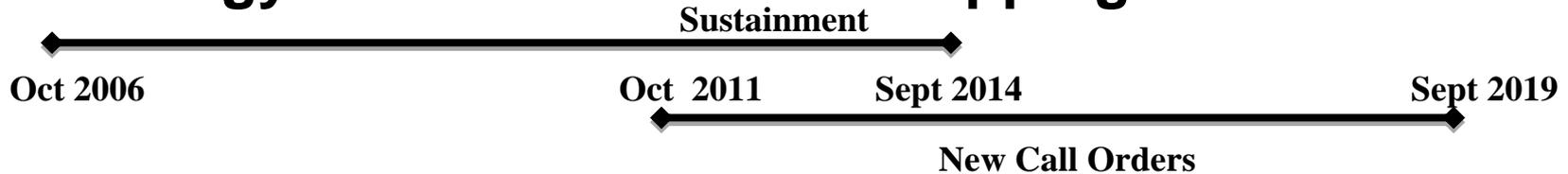
Provide a web based capability to manage, access, and store common user services (documents, presentations, etc.) within the DOD network.

- Microsoft Word, Excel, PowerPoint and OneNote – initial opportunity
- Service includes a web accessible personal virtual document library (VDrive)
- Complements the DoD Visitor initiative



# Processor Capacity Services

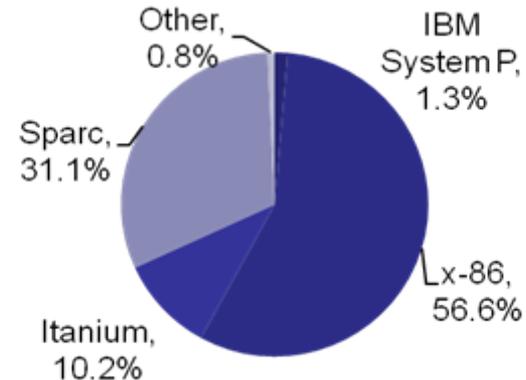
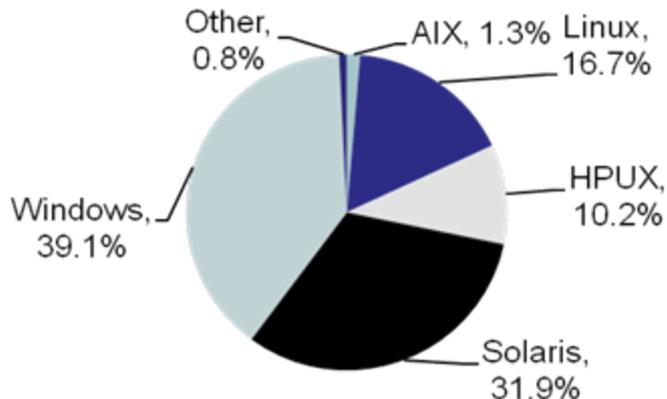
- **Strategy for transition -- Overlapping contracts**



- **Changes:**

- Appliances handled through communications capacity contract
- New contract awarded by chip-set vice Operating System

- **Mission Partner Profile**



# Storage Strategic Directions

- **Game changing storage technologies**
  - Storage Virtualization
  - Data De-duplication
  - Storage Resource Management
- **Physical tape elimination**
- **WAN compression for storage networking**
  - Bandwidth optimization for data replication
  - Geographic dispersed data federation
  - Remote backup/recovery
- **Tier Storage**
  - Automated data classification
  - Automated Information Life Cycle (ILM) management

# “Greening” DECC Infrastructure

## Challenge

- \* Increasing Energy Costs
- \* Increased Cooling Requirements From
- \* High Density Computing (Blade Servers)
- \* Increased Environmental Regulatory Requirements

## Future / Continued Support

- \* Server Virtualization & High Density Storage Arrays
- \* New Energy Efficient Electrical & Mechanical Systems
- \* Increased Level of Effort in Infrastructure Monitoring
- \* Modernized Heat Removal Schemes for Efficiencies
- \* Enterprise Wide Computer Room Air Flow Modeling

## Value Added

- \* Improved Life-Cycle Management Across Enterprise
- \* Reduction in Enterprise Utility Cost Per EO & GB
- \* Enterprise Consistency & Standardization
- \* Increased Capacity, Reliability & Redundancy



# On the Horizon for CSD

Contract/Task/Area of Support	Anticipated Start Date
<b>New Capacity Services Contract Initiatives</b>	
Software as a Service (SharePoint and Voffice)	1QFY12
<b>Re-compete of Existing Capacity Services Contracts</b>	
Capacity Services Processor	4QFY11
Capacity Services Storage	4QFY12
GIG Content Delivery Service (GCDS)	4QFY11

