



Defense Information Systems Agency

A Combat Support Agency

Computing Services

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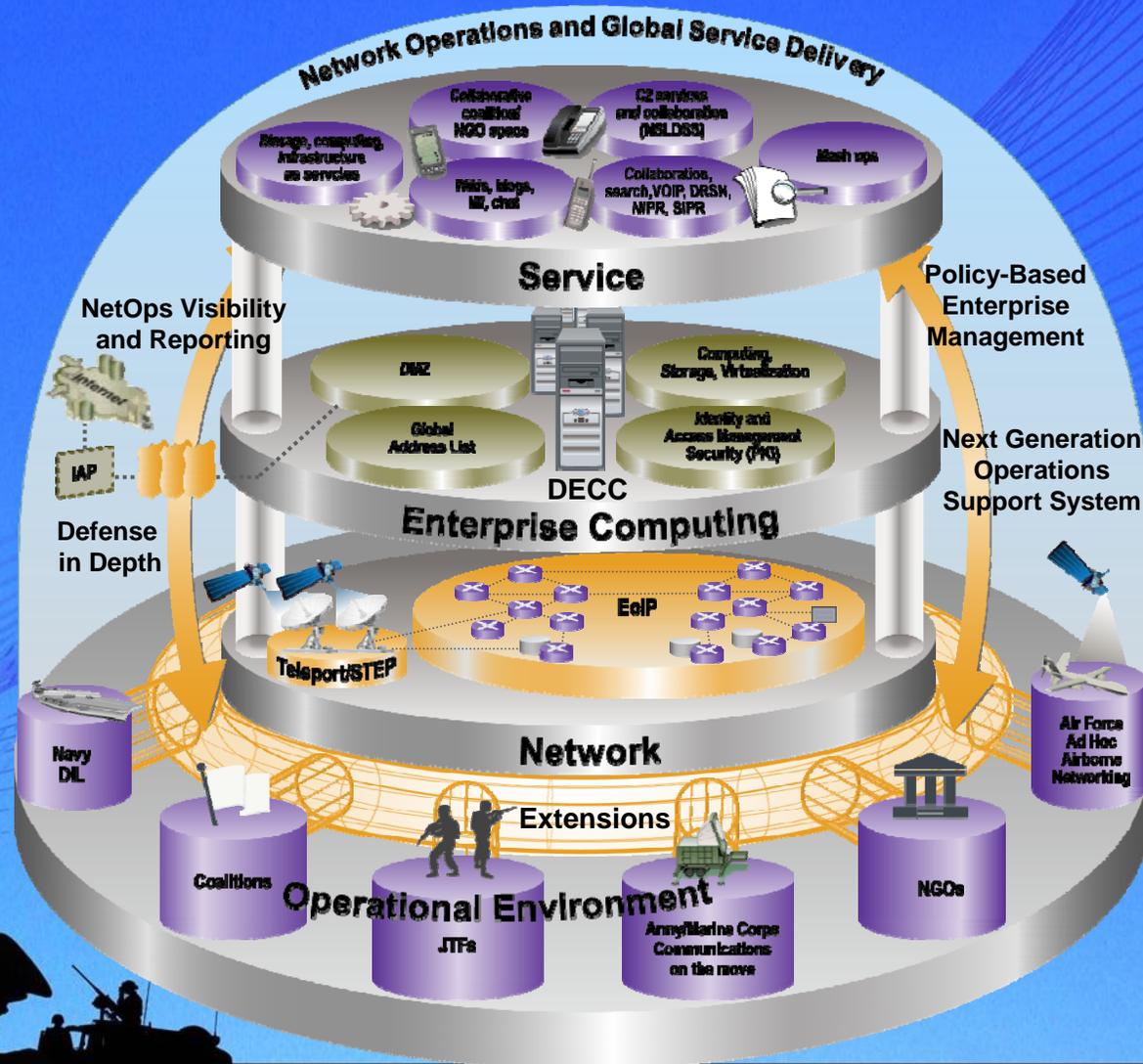
Director, Computing Services

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A Combat Support Agency

The Enterprise

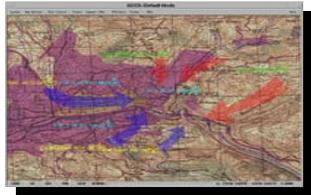


DISA

A Combat Support Agency



Maintenance



Command and Control

C2 & Information Sharing

- Net-centric Enterprise Services
- Global Combat Support System (GCSS)
- Missile Defense Command & Control, Battle Management and Communications (C2BMC)
- Global Transportation Network (GTN)
- Theater Battle Management Core Systems
- Air Force Logistics Module (LOGMOD)
- Combined Enterprise Regional Information Exchange System (CENTRIXS)

Computing Support for the Warfighter

Critical Application Hosting

PROVIDING

- > All classes of processing
- > Systems management
- > Communications
- > Storage

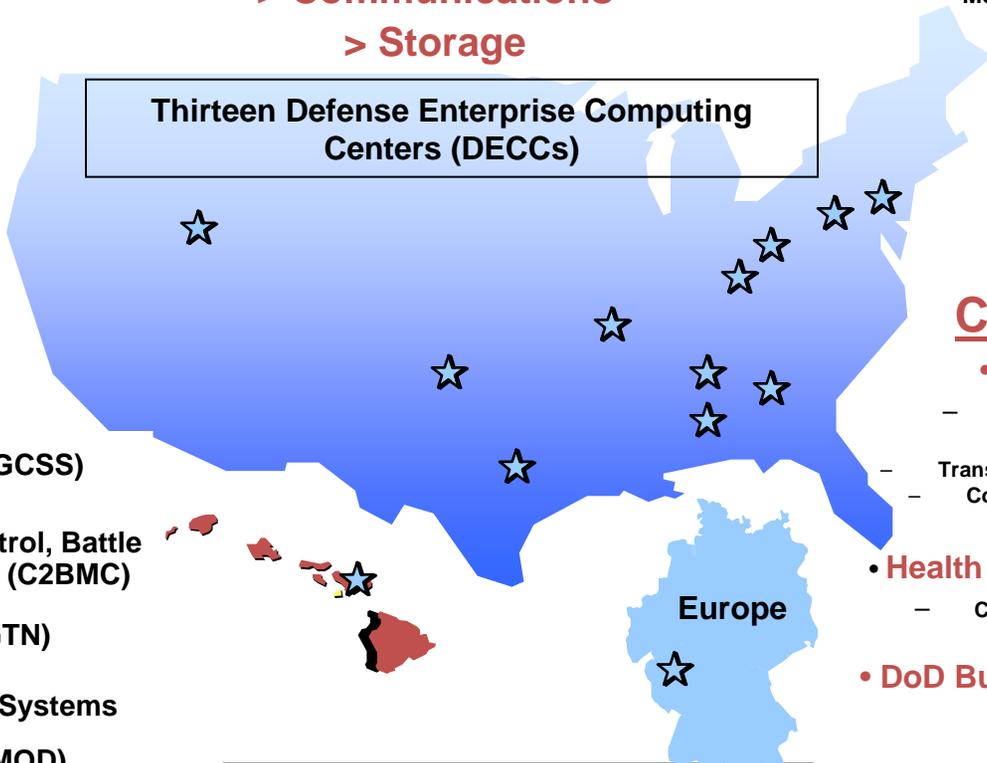


Medical



Logistics

Thirteen Defense Enterprise Computing Centers (DECCs)



Combat Support

- Warfighter Logistics
 - Defense Distribution Standard System (DSS)
 - Transportation and cargo movement
 - Combat requisition maintenance, mobility
- Health & Medical Readiness
 - Composite Health Care System II (AHLTA)
- DoD Business and Financial

Recent DISA Establishment:
Theater Enterprise Computing Center – Bahrain (TECC-B)



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?

Rapid Access Computing Environment (RACE)

Agile and responsive computing

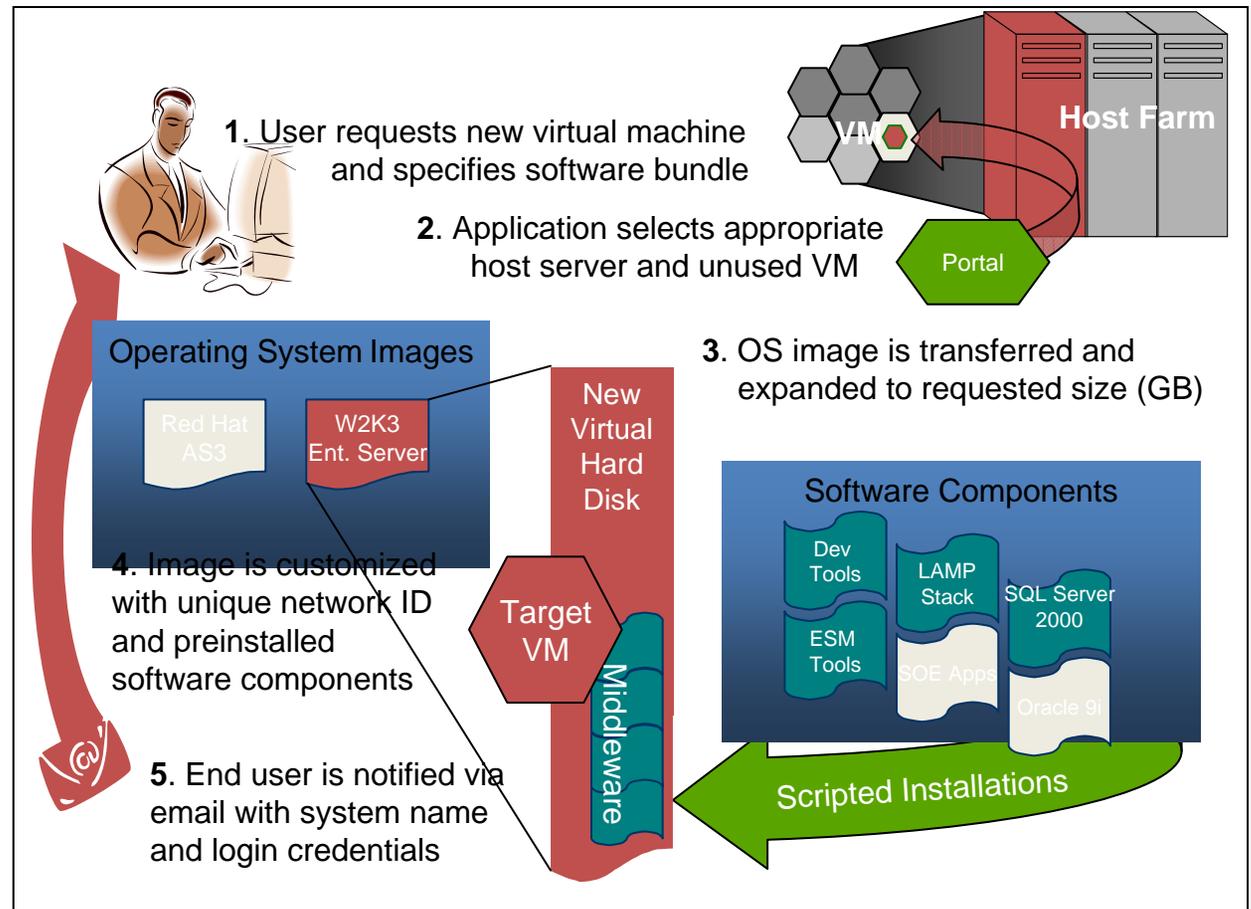
Authorized customers order and gain access to a Server in less than 24 hours

Provides flexible development platform for Web, Application or Database

Customer can purchase needed resources through Service Catalog on Web Portal; then allocate own resources, as desired

Windows, Red Hat, SUSE Servers can be created by customer in less than 30 minutes (*once all approvals are in place*)

CPU, Memory, Storage, Virtual Environment provided to customer in one simple solution



Create your own environment – for \$500/month

Software as a Service (SaaS)

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)

“Greening” DECC Infrastructure

Challenge

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

Future / Continued Support

- * Virtualization
- * New Energy Efficient Electrical Systems
- * Energy Star Compliant Lighting & Control Systems
- * Modeling of Datacenter Floors for Efficiencies

Value Added

- * Improved Life-Cycle Management Across Enterprise
- * Reduction in Enterprise Utility Cost Per OE
- * Consistency & Standardization of PM

2009 Actions

- * DECC San Antonio: Energy Star Compliant Lighting
- * DECC Oklahoma City: Energy Star Compliant Lighting
- * Enterprise Wide Computer Room Air Flow Modeling
- * Power Reductions From Server Virtualization
- * DECC Mechanicsburg: UPS Efficiency Upgrade
- * DECC San Antonio: More Efficient UPS Installation
- * DECC Ogden: More Efficient UPS Installation





Facilities Infrastructure as a Service

Improvements For 2010/2011

Enterprise Facility Infrastructure Maintenance Contract (“TIM”):

- * Beginning in 2010, Facilities Engineering will support the enterprise datacenters with a new, single-provider service model.
- * Replaces multiple complicated, difficult-to-manage separate contracts.
- * A highly flexible contract tool to provide data center infrastructure support.
- * Will provide all needed facility-related non-construction services: Exterior painting to interior flooring.
- * Organized into 25 O&M Modules: Allows the Government to obtain only those services needed at a specific datacenter.
- * Work-order based program to provide consistent operations, preventative & predictive maintenance, and equipment repair & replacement services.
- * Standards-based services prolong life of facilities and facility equipment, while yielding reduced long-term lifecycle O&M and capital costs.

* Examples of the modules and aspects of the contract:

- | | |
|--|---------------------------------------|
| • Operate/Maintain Infrastructure Systems | • Preventative/Predictive Maintenance |
| • Repair of Damages (Building & Equipment) | • Physical Plant Operations |
| • Work Coordination with Host Installation | • Administrative Facility Operations |
| • Project Management Services | • Custodial Services |
| • 24x7x365 Qualified Onsite Staffing | • Contingency Operations |
| • Operation of CMMS Automated Systems | • Datacenter Electrical Installations |



