Agenda

Who We Are

Where We Are Today

Where We Are Going
WHO WE ARE
The Department of Homeland Security (DHS):

- Opened its doors in **2003**
- Comprised of **22** different federal departments and agencies all with their own networks
- The **FY15** budget request for DHS is **$60.9B**
- Currently have **240,000** federal employees in all **50** states
- The OCIO provides full IT services for **11,000** DHS Headquarters (DHS HQ) users
- OCIO delivers a range of enterprise services supporting every DHS mission
DHS IT Spending Overview

Source: OMB PortfolioStat Nov 2014
The FY15 budget for OCIO is $256.3M
How Far We’ve Come

DHS IT infrastructure landscape in 2006:

- No Enterprise Data Centers
- No common Wide Area Network (WAN)
- No common E-mail or global directory
- No cloud services

In short, no enterprise services at all.
WHERE WE ARE TODAY
Where We Are Today: IT Services Catalog

- Summer of 2010 – released our first comprehensive services catalog PDF and hardcopy
- Now published quarterly, the Enterprise and HQ IT Services catalog is exclusively on DHS intranet
Where We Are Today: Data Center Consolidation

• Two redundant Enterprise Data Centers (EDC)
• **26%** complete to 40% FDCCI Department goal
• Have **229** applications residing in the EDC
• Data center services - a **$267M** business in FY14
• **25** active migration projects across **7** Components
Quantitative Consolidation Benefits

Data Center Cost Savings/Avoidance
As reported for PortfolioStat in August 2014

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<tr>
<td>FY12 prior and realized</td>
<td>$43.19M</td>
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<tr>
<td>FY13 realized</td>
<td>$93.11M</td>
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<td>FY14 projected</td>
<td>$68.71M</td>
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<td>FY15 projected</td>
<td>$9.86M</td>
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<td><strong>TOTAL</strong></td>
<td><strong>$205.01M</strong></td>
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Where We Are Today: OneNet

- Is the ubiquitous WAN
- Supports $4,766$ sites
- Fundamental long haul transport used by every Component
- Provides a Trusted Internet Connection (TIC)
- Established Trust Zones and Policy Enforcement Points (PEP)
- Provides for carrier and path diversity
- Metropolitan Area Network (MAN) services in the National Capital Region (NCR)
E-mail Secure Gateway (EMSG):

- Serves all 240,000+ Department employees
- Enables all 60+ messaging applications
- Processes 8 million messages per day
- Multi-layered mail hygiene solution
E-mail as a Service (EaaS):
• Unified e-mail address directory
• Interdepartmental mail interchange
• Provides the Department with a fully unified e-mail service
• More than 140,000 users
• 22% growth in past year
• Components utilizing EaaS:

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Where We Are Today: MDM

Mobile Device Management:
- **31,000+** users on BlackBerry
- **6,400** users on Good
- AirWatch currently in pilot phase at DHS HQ

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Where We Are Today: Cloud Services

**Infrastructure as a Service (IaaS)**
- Usage grew 204% at Data Center 1
- Usage grew 72% at Data Center 2
- 1,418 VMs in operation

**Workplace as a Service (WPaaS)**
- Consumption increased by 140%

**SharePoint as a Service (SPTaaS)**
- 26,700 users supported across USCIS, ICE, OBIM and DHS HQ
Case and Relationship Management (CRMaaS)
• 2,300 users across ICE, USCIS and DHS HQ utilizing the service to manage customer relationships

Enterprise Content Delivery as a Service (ECDaaS)
• Currently 35 DHS websites that are operational and IPv6 compliant, meeting the OMB mandate at no additional cost
Where We Are Today: Cloud Services

Dev/Test as a Service (DTasS)
- Environment includes 8 Components and approximately 1,000 VMs in Dev/Test and Pre-production

Project Server as a Service (PSaaS)
- 3,000 users supported across USCIS, ICE, CBP, OBIM and DHS HQ
Where We Are Today: Cloud Services

Web Content Management as a Service (WCMaaS)
• Components using WCMaaS are DHS.gov, FEMA.gov, TSA.gov, US-CERT-gov, USCIS.gov, CBP.gov, ICE.gov, and FLETC/FLETA.gov

Authentication as a Service (AUTHaaS)
• 250+ DHS applications utilizing this service. All Components are consuming this capability
WHERE WE ARE GOING
Identity, Credentialing & Access Management

**Single Sign On (SSO):**
- Authentication as a Service and privilege access control integration with the cloud

**Trusted Identity Exchange (TIE):**
- Prototype with Radiant Logic product in progress

**Access Lifecycle Management (ALM):**
- Prototype with Sailpoint product in progress

**Mobile Authentication:**
- Derived credentials
- Have many of the pieces in place
- Workflow is most immediate need
Cellular Wireless Managed Services (CWMS)

- Awarded Spring 2014
- 17% estimated cost savings
- Currently utilizing the service:

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Managed Trusted Internet Protocol Service (MTIPS)

- MTIPS is the replacement for owner operator Trusted Internet Connection (TIC)
- Amendment 7 of solicitation released February 10th
CISCO SMARTnet

- Pursuing an enterprise agreement
Emerging Technology Needs

Resilient, high capacity, secure and cost conscious connection between OneNet and multiple cloud services

Secure cellular replacement

Validation of data security for external partners. An ability to initially and continuously assess an external partner’s security infrastructure with ongoing and continuous monitoring
Cloud-based Desktop Productivity Suites

- Google Apps and Office 365 proofs of concepts
Questions?

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