AFCEA NOVA18th Annual Naval IT Day

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Mission
We deliver modern, secure, and effective enterprise information technology systems and services

Vision
To provide the premier enterprise information technology user experience

Goal 1: Develop and maintain an engaged and capable workforce
- Empower the workforce
- Foster an environment of innovation and continuous learning
- Increase workforce recognition

Goal 2: Deliver an enhanced and positive customer experience
- Enhance enterprise network performance
- Implement user-centric design principles
- Enhance self-service capabilities

Goal 3: Enhance data-driven decision-making
- Make an organizational shift to the cloud
- Make mobile "the way we work" via modern service delivery
- Strengthen modern data management and analytics

Goal 4: Increase agility and drive affordability
- Execute acquisition and IT delivery processes modeled after the private sector
- Modernize enterprise networks and business systems
- Maximize automation in systems and services
NavalX Mission Lines of Effort

**Playbooks**
- Find and document what works
- Connect users to mentors
- Make adoption easy!

**Tech Bridges**
- Connecting the workforce to other agencies, small businesses, startups, non-profits, academia, and private capital markets.

**Launch Platforms**
- Seaside Chats, Workshops, Human/Warfighter Centered Design, Training Events

**Awards & Learning Stories**
- Recognize the community through continuous awards & stories to incentivize agility behaviors

NavalX is a Connector
- Increasing the density of Naval networks inside the DON
- and with industry and building collaborative relationships
Future State: Cloud Warfighting Platform
The new network platform required to enable the digital warfighter

Cloud Warfighting Platform
- Mobile, Transported Technologies
  - Anytime
  - Anywhere
  - Anyplace
- Pervasive Data Computing
- On Demand Cloud Computing

Cloud Warfighting Employment:
- Globally supporting digitally enabled and resilient warfighters and unlimited users on multi-functional devices with:
  - 24/7 Services
  - Cloud Brokers
  - Unlimited Storage
Network Transformation: Outcomes

**Continuous Modernization**
Shortened Build Cycles, UX Capability Drops, High Availability

**Zero-Downtime Upgrades**

**Enhanced Security**
Automated Controls, Continuous Monitoring, Adopt Zero Trust via focus on identity and data

**Optimized Security**

**Customer Experience**
Self-service, Automated Provisioning, Personalized Service Portals, Omni-channel Communications

**Cloud Native Infrastructure**
Journey from “cloud tolerant” to “cloud native” to optimize consumption of cloud services

**Optimal Cloud Consumption**

**Customer Experience**

**Expanded Mobility**
Ability to access applications and data anytime, anywhere, anyplace

**Digital Resilience**
Fortified ubiquitous access to data and applications via reliable and dynamic transport

**Always Connected**

**Expanded Mobile Platform**

Driving outcomes will provide the means to launch us to improved Mission & Fleet Readiness
Identity Services are key enablers for other commonly provided enterprise services!

Example Core Services:
- CICD pipelines (C2C24)
- Digital Loss Prevention Data Lakes (ADE)
- Collaboration (O365)
- API Gateways
- Performance Monitoring
Naval Identity Systems
ICAM Solution Suite

Navy ERP – initial, prototype integration partner in FY20!

Source: Deloitte Consulting LLP
Navy ERP Tech Refresh

Infrastructure (Cloud)
- Improve flexibility in infrastructure capacity
- Faster adoption of newer technologies
- Cost stability via Managed Services (IaaS, PaaS)

Platform
- Faster computing speeds across large sets of data in memory column format of HANA platform
- Large number of accelerated/optimized transactions
- Real-time operational reporting through SAP HANA

Data Management
- Data available immediately for real time processing, reporting and analytics
- Significant reduction in database volume/size with HANA transaction
- Data quality and data governance with MDG

Process Improvement & User Experience
- Simplified Launchpad with role based entry
- Self-service reporting and analysis in flexible & visually intuitive formats
- Customizable screens to accelerate transactions

ACCOMPLISHMENTS
- Received IATT in 45 days.
- Refined AWS Mass Storage Device ‘Snowball’ export process using parallelism to greatly reduce time to load and ship data.
- Cutover window reduce from weeks to days with SAP Near Zero Down Time (NZDT) solution.
- Overcame transport inefficiencies by funding engineering and deployment of MPLS L3VPN’s from core sites (SDNI, NRFK, PAXR) to DISA BCAP.
- Received NAO endorsement of DISA BCAP as trusted NMCI boundary, allowing for DIACAP processing and continued engineering.
- Development and funding of disbursed network testing to capture client experience metrics from as-is and to-be environments.
- First in Navy to develop in dual AWS GovCloud regions (East/West) for regional disaster recovery.
- Rapid execution of support services contracts to remediate coding and configuration issues found in multiple vendor products migrated to cloud.
- Architecture and design of shared services for leveraging at portfolio level.
Audience Questions

Hope to see you at AFCEA NOVA’s Small Business Enterprise IT Day
Tuesday, November 5th - Westin Washington Dulles Airport Hotel

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