Compile to Combat in 24 Hours (C2C24)

Scaling up the ability to deliver software capability “at the speed of relevance”

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From Isolated Systems to Information Warfare

Stovepipe Systems
- Shared Infrastructure – Compute and Storage
- Shared Afloat Core Services
- Data Centric – Exposing and Sharing of Data
- User Centered – business logic and presentation

Data Centric, Shared, Actionable Awareness Across Units & Composite Warfare Structure

Moving to a data centric organization – enabling DWO efforts
DevOps is the combination of cultural philosophies, practices, and tools that increases an organization’s ability to deliver capability and services at high velocity without sacrificing Quality or Security.

**Industry Example**

**Navy Example**

**Frustrated Users**
**Processes Error Prone**
**Cultural Impediments**
**Different Configs increasing Maintenance Challenges**

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Navy Embracing a Cultural Shift

▼ **Commercial Cloud** – Embrace use of Commercial Cloud, taking advantage of Commercial Cloud agility and elasticity for SecDevOps

▼ **SecDevOps/RMF** – Use of SecDevOps and automation, including RMF testing and leveraging the “Software Inheritance Model (SIM)” (e.g., as a part of the assess and incorporate process) to help streamline the ATO process.

▼ **Shared Infrastructure** - Use of secure shared infrastructure (e.g., CANES), including a shared software platform that provides Platform as a service (PaaS)/Container as a Service (CaaS) for software applications (e.g., ACS).

▼ **Shift towards Modern Application Architectures** - Use of a standardized data strategy, enabling data reuse by many application components, and efficient use of bandwidth through efficient inter-component messaging.

*Rapid capability insertion with speed, scale, and rigor*

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CCI-001546
CCI-000003
CCI-000004
CCI-000005

Inheritable by
Tier I Inheritance (DoD Level)
Tier II Inheritance (Navy or COCOM)
Tier III Inheritance (Technical)
Tier III Inheritance (Operations)
Tier III Inheritance (ACS/OpenShift)
Tier III Inheritance (Ship)
Tier III Inheritance (ADNS)
Tier 3 Inheritance (CANES - Model 1)
Tier III Inheritance (CND)
System/Program (Not Inheritable)

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QUESTIONS?