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The State of DevSecOps Report

George Lamb, Director Cloud and SW Modernization

Nanette Brown & Brigid O'Hearn, CMU Software Engineering Institute



History of DevSecOps In the DOD

DOD Software Modernization Milestones

- 2019: Defense Innovation Board: Software is Never Done: Refactoring the Acquisition Code for Competitive Advantage
- 2021/22: Software Factories emerge



- 2021/22: Platforms and Infrastructure as Code
 - Platform 1 Big Bang, DISA DOD IaC
- 2022: DOD Software Modernization Strategy
 - Goal 1: Accelerate the DoD Enterprise Cloud Environment
 - Goal 2: Establish DoD-wide Software Factory Ecosystem
 - Goal 3: Transform Processes to Enable Resilience and Speed
- 2023/24: DOD Software Modernization I-Plan
- 2022/24: Weapons System Software Summit
- 2024: cATO Evaluation Criteria
- 2025/26: DOD Software Modernization I-Plan





[W]e're seeing technological breakthroughs that are redefining conflict. The Navy recognizes that speed matters... that the pace at which we procure, modernize, maintain, and sustain our platforms matters... as does the pace at which we rapidly integrate and adopt new technologies.

— ADM Lisa Franchetti, Chief of Naval Operations

This retooling of our AFMC software factories is a perfect example of an enterprise solution that's laser focused on the warfighter... We're expecting this consolidation will allow seamless integration of other AFMC software factories in the future and serve as a model for software development in other major commands.

— GEN Duke Z. Richardson,
AFMC Commander



These reforms will enable the Army's adoption of best practices for software development and accelerate the Army's digital transformation to deliver needed capabilities to Soldiers.

— HON. Christine E. Wormuth,
Secretary of the Army



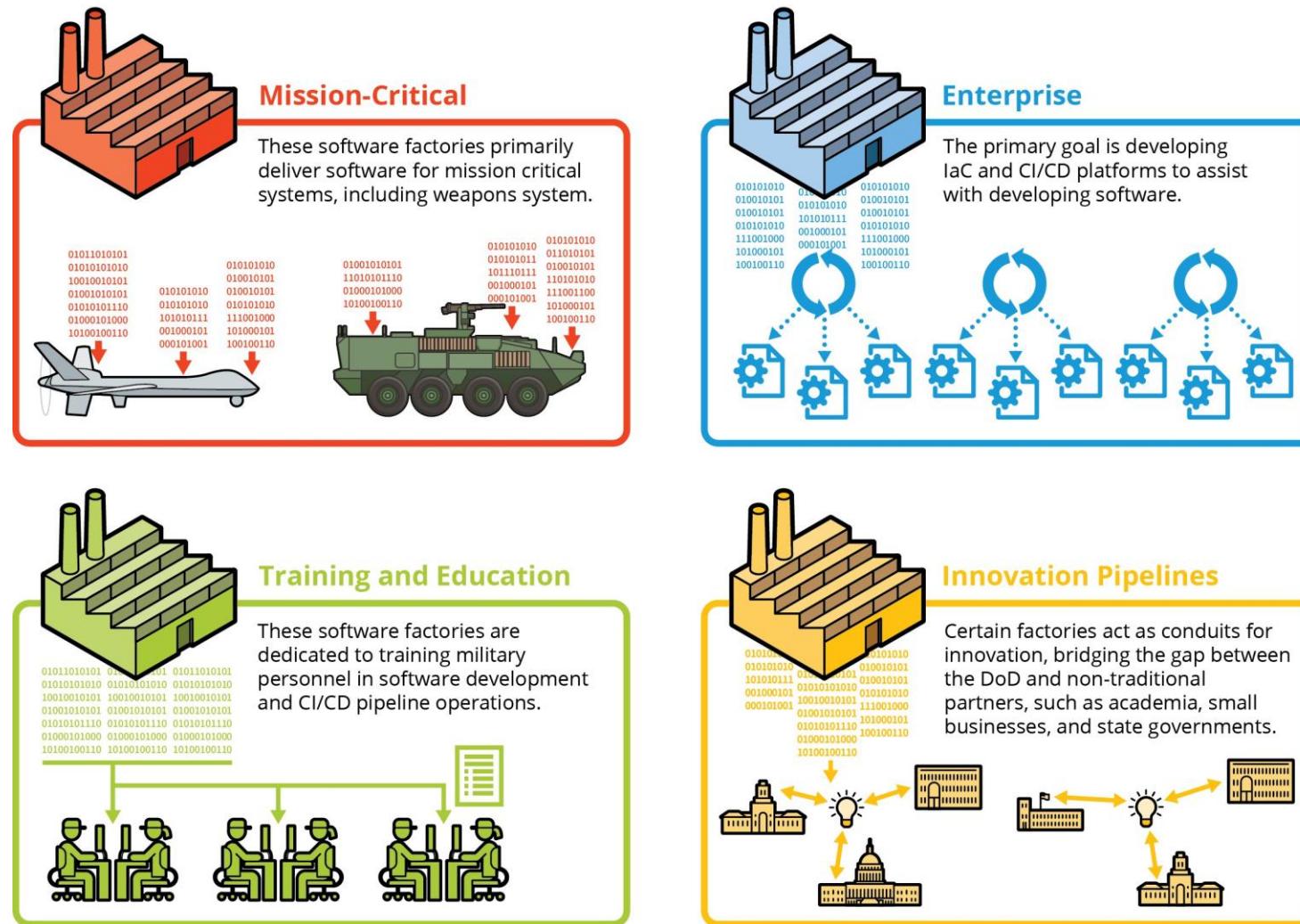
Success across the DoD

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Software Factories: The Digital Arsenal for Modern Warfare

Software Factories: The Digital Arsenal for Modern Warfare





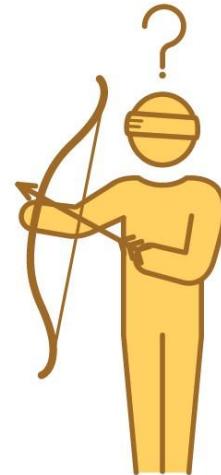
Software Factories: Match the Funding Model to the Mission

Funding Types	Description	Example
Fee for Service (a customer program provides funding based on the services they use)	Working Capital / Cost Recovery	SKI CAMP; DISA C2
	Enterprise Capabilities for Purchase	TRMC; CSSP; Platform One
	Services (app development, workforce development, etc.)	TRON; Army Software Factory; BESPIN
Centralized Funding Model	POM / Direct Appropriation	Platform One
	Acquisition Models / Program Elements	Kobayashi Maru; Kessel Run
	Funding from a Higher Headquarters Organization	BESPIN; Corsair Ranch

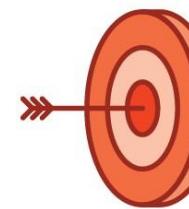
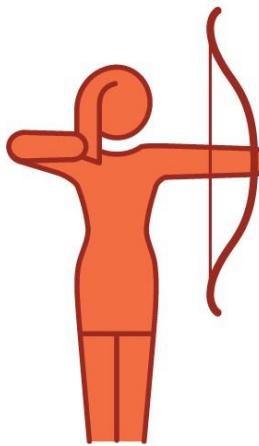


Optimizing the Software Factory Ecosystem: Optimize Software Ecosystem investments

Information is power when making software ecosystem investments



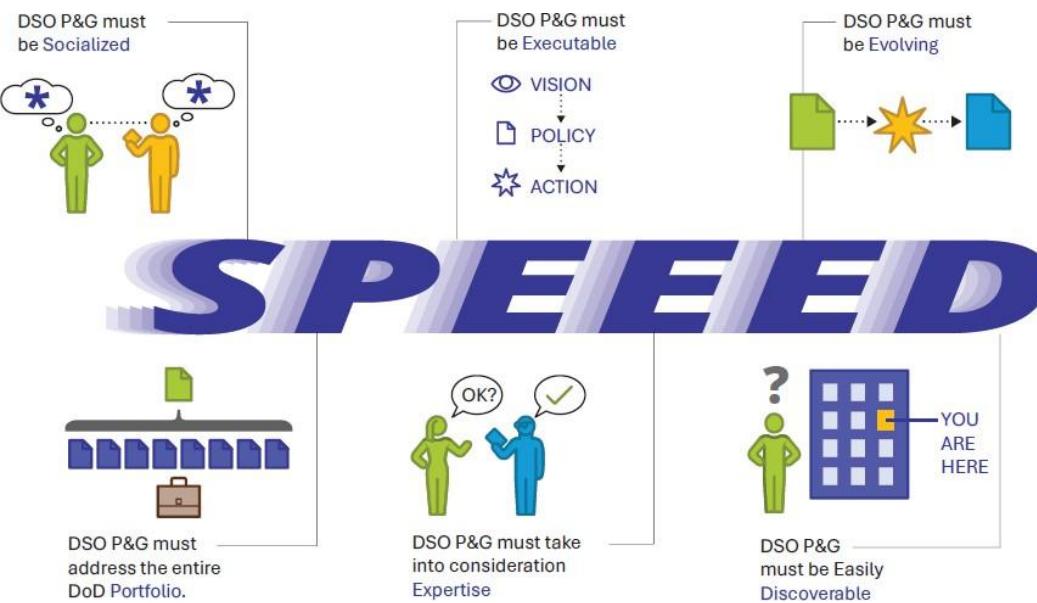
DoD is improving the collection and automation of the software factory portfolio and cost data necessary for making the right investments in people, processes, and technology to meet mission needs and adapt to new challenges.





Policy and Guidance enables change

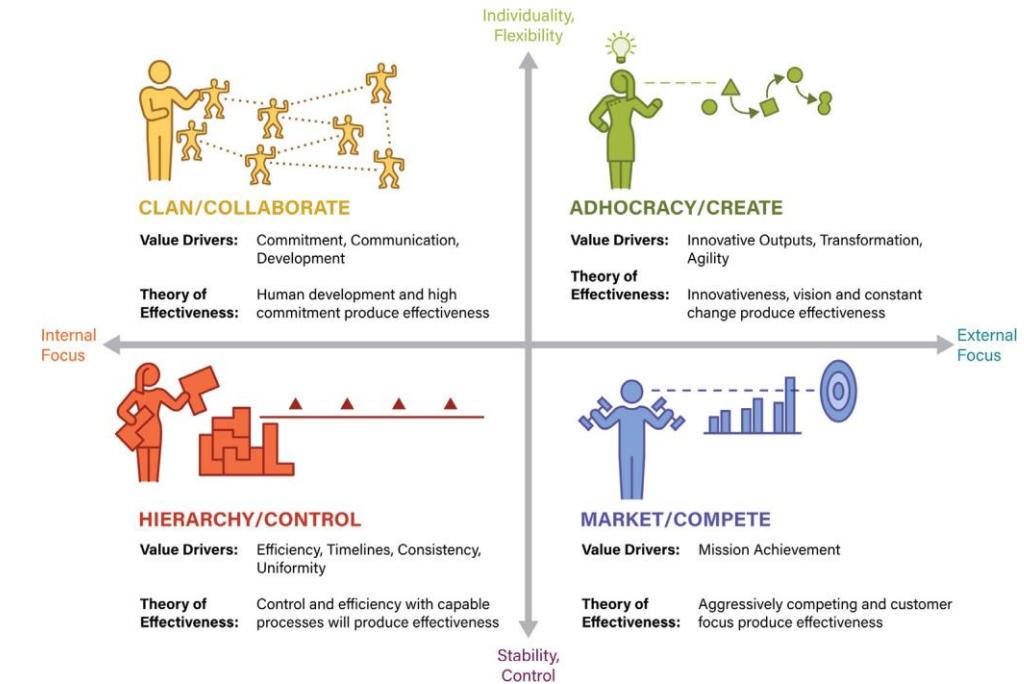
Policy at the speed of Relevance



DoD is harvesting grassroots successes to develop broadly applicable policy and guidance.

The Software Factory Coalition and the DoD DevSecOps Community of Practice are forums where bottom-up innovation enables and informs top-down change.

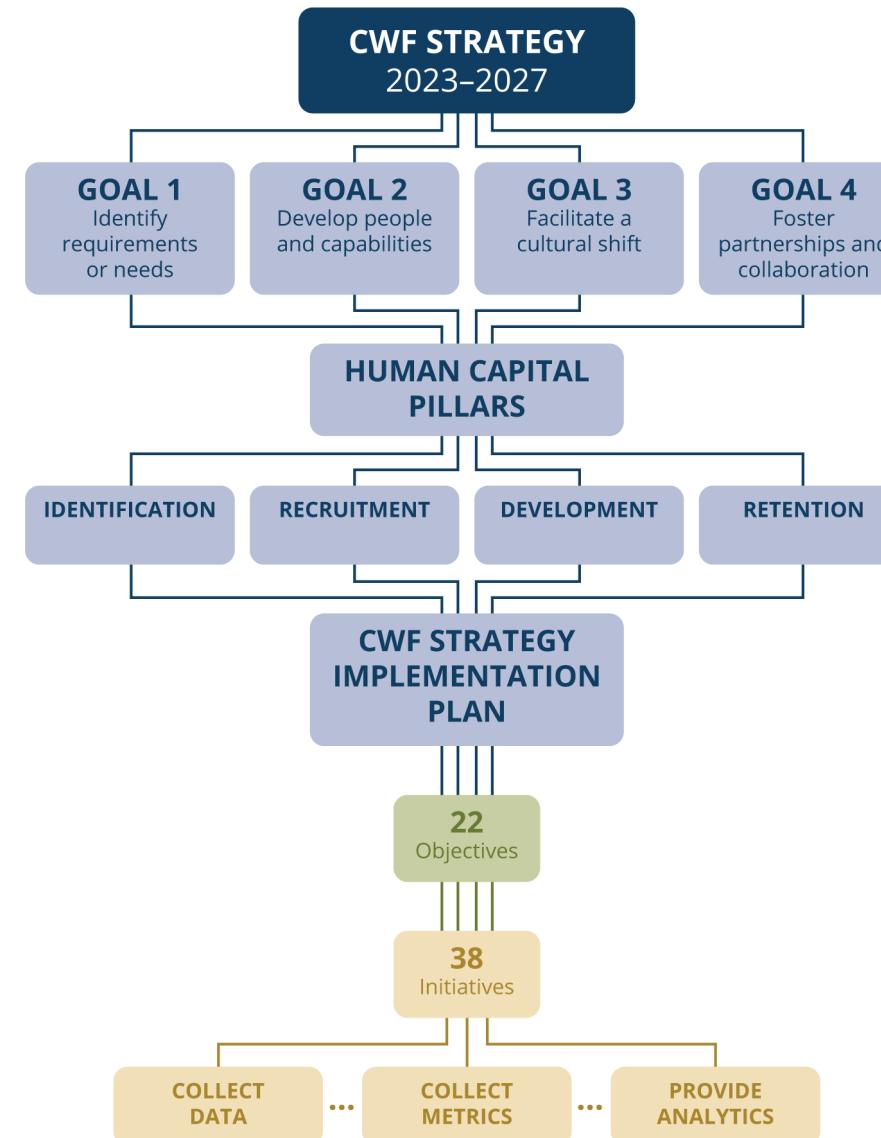
Understanding and aligning culture



The transition from waterfall to agile development and DevSecOps can be viewed as transitioning from a culture dominated by Control-oriented values (the DoD's traditional hierarchical control culture) to one that incorporates the values of the Creative and Competitive



Forging a Mission-Ready DSO Workforce





Moving Forward: The FY25-26 Software Modernization I-Plan

Goal 1: Accelerate the DoD Enterprise Cloud Environment



- Establish Other Contract Options for Cloud Innovation
- Establish a FinOps Program for Smarter Use of Cloud
- Develop Quick Track SaaS ATO Process
- Enable OCONUS Cloud Use for Apps at the Edge
- Codify Modern CSSP Model for Enhanced Cloud Security

Goal 2: Establish Department-wide Software Factory Ecosystem



- Scale the Adoption of Modern Software Practices
- Provide Tools to Speed Software Development Productivity
- Enable Software Interoperability through APIs
- Increase use of cATOs for Better, Timelier Security
- Establish Software Factory Financial Operating Models
- Prepare Software Factories for AI and Software-based Automation

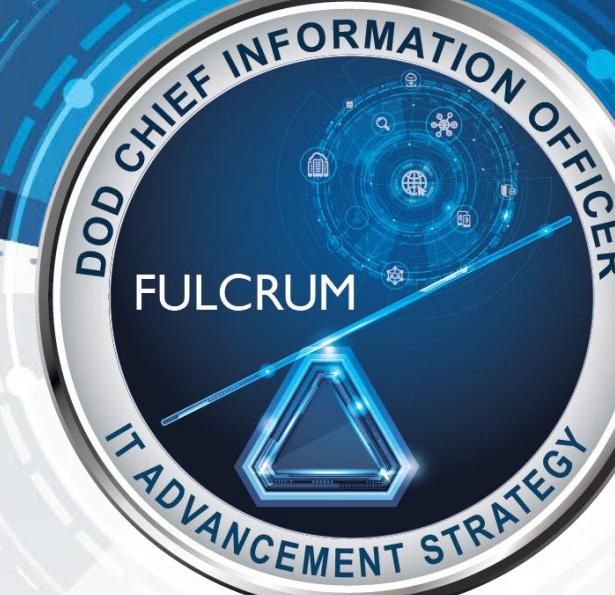
Goal 3: Transform Processes to Enable Resilience and Speed



- Evolve Policy, Regulations, and Standards
- Develop Secure Software Standards
- Modernize JCIDS for DevSecOps
- Apply Modern Software Practices to Legacy Systems
- Drive Software Modernization in Embedded Weapons Systems
- Accelerate Adoption/Impact of Software Acquisition Pathway
- Scale an Enterprise-level Software Cadre
- Develop and Track Software Engineering Talent
- Drive Broader Adoption of Enterprise Software Licensing



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Questions

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Going Forward

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