



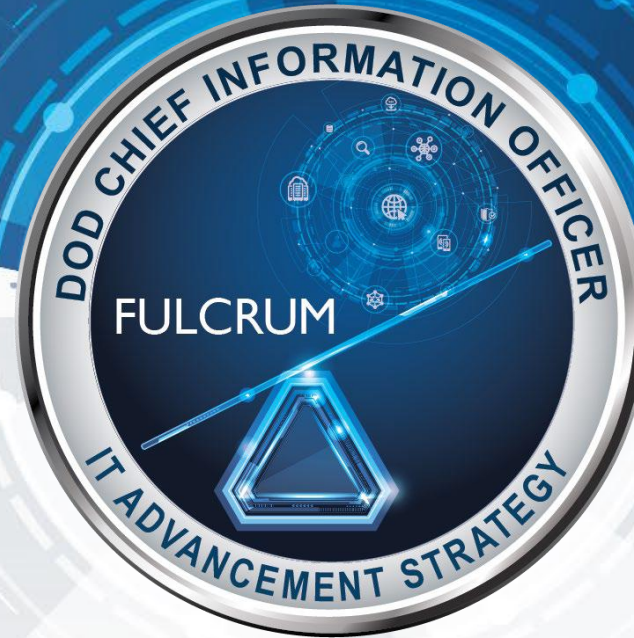
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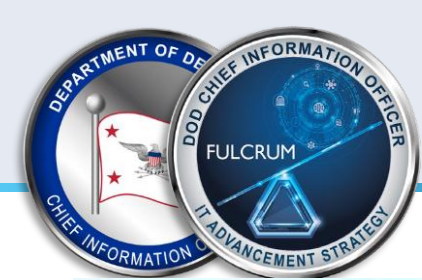
Department of Defense  
OFFICE OF PREPUBLICATION AND SECURITY REVIEW



# The State of DevSecOps Report

George Lamb, Director Cloud and SW Modernization

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# 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







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



[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



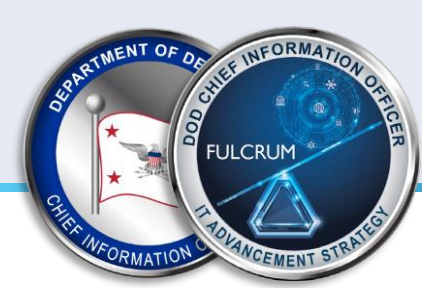
These reforms will enable the Army's adoption of best practices for software development and accelerate the Army's digital transformation to deliver needed capabilities to Soldiers.

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

# Success across the DoD

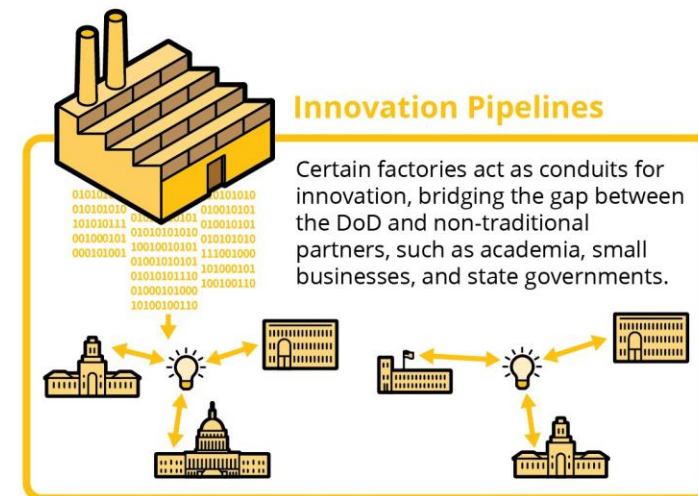
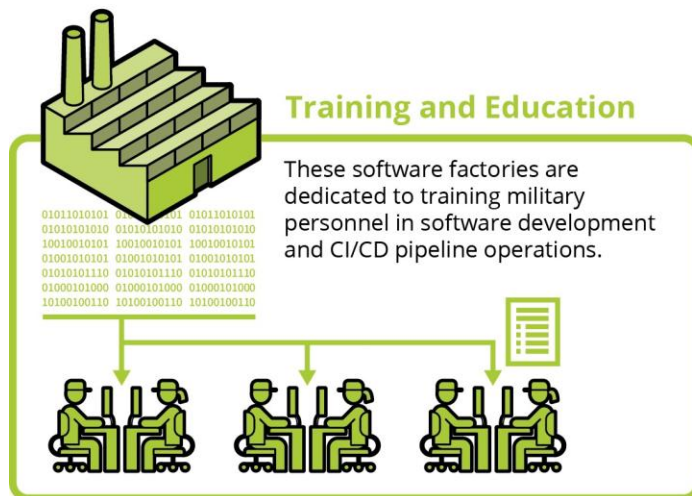
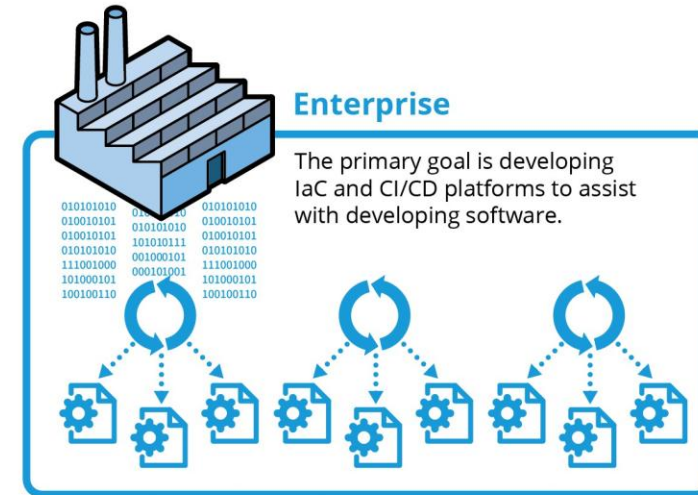
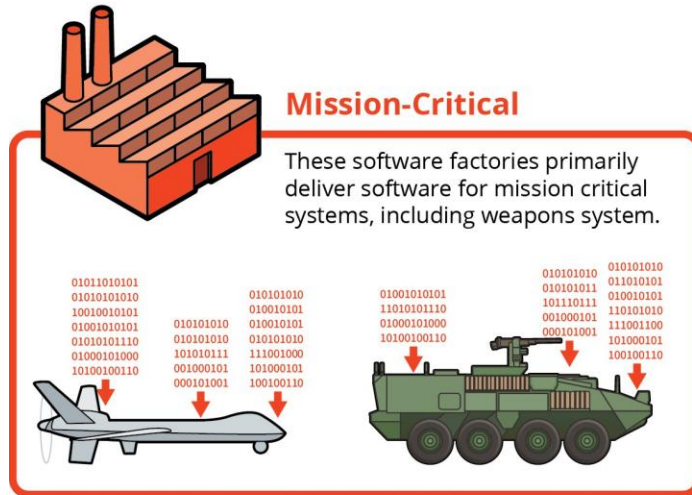
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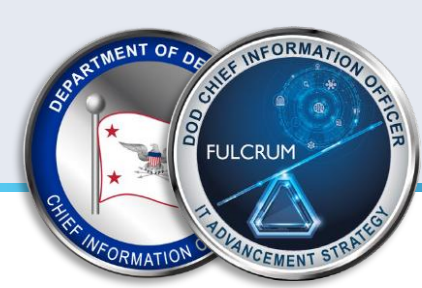




# Software Factories: The Digital Arsenal for Modern Warfare

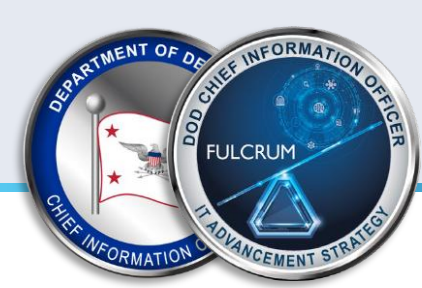
## Software Factories: The Digital Arsenal for Modern Warfare





# Software Factories: Match the Funding Model to the Mission

Funding Types	Description	Example
<b>Fee for Service</b> (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
<b>Centralized Funding Model</b>	POM / Direct Appropriation	Platform One
	Acquisition Models / Program Elements	Kobayashi Maru; Kessel Run
	Funding from a Higher Headquarters Organization	BESPIN; Corsair Ranch

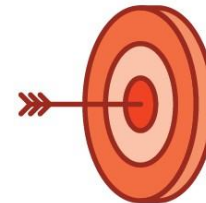
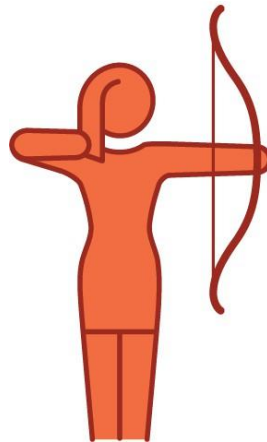


# Optimizing the Software Factory Ecosystem: Optimize Software Ecosystem investments

**Information is power when making software ecosystem investments**



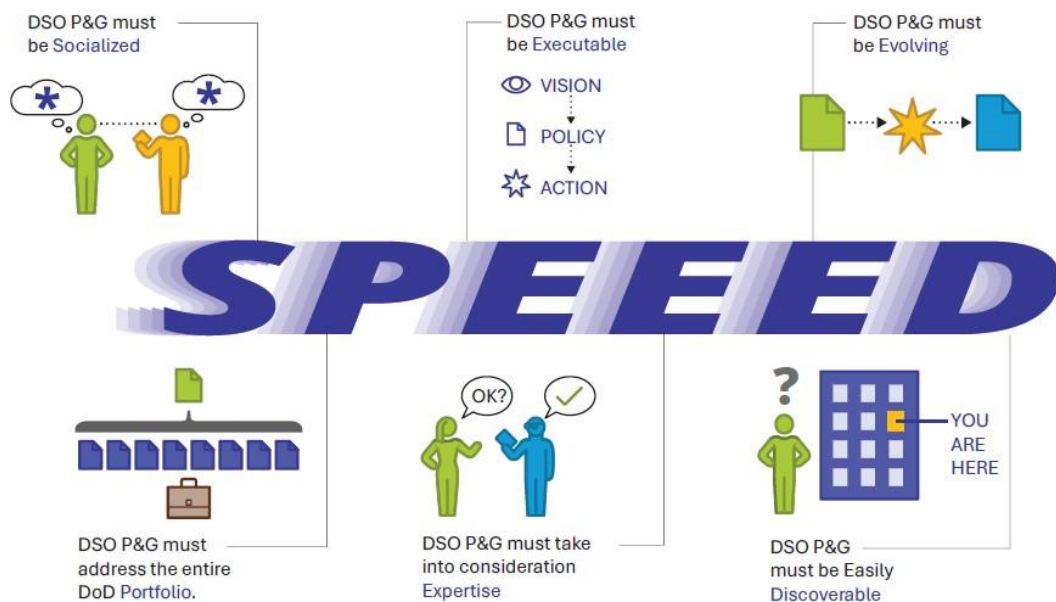
DoD is improving the collection and automation of the software factory portfolio and cost data necessary for making the right investments in people, processes, and technology to meet mission needs and adapt to new challenges.





# Policy and Guidance enables change

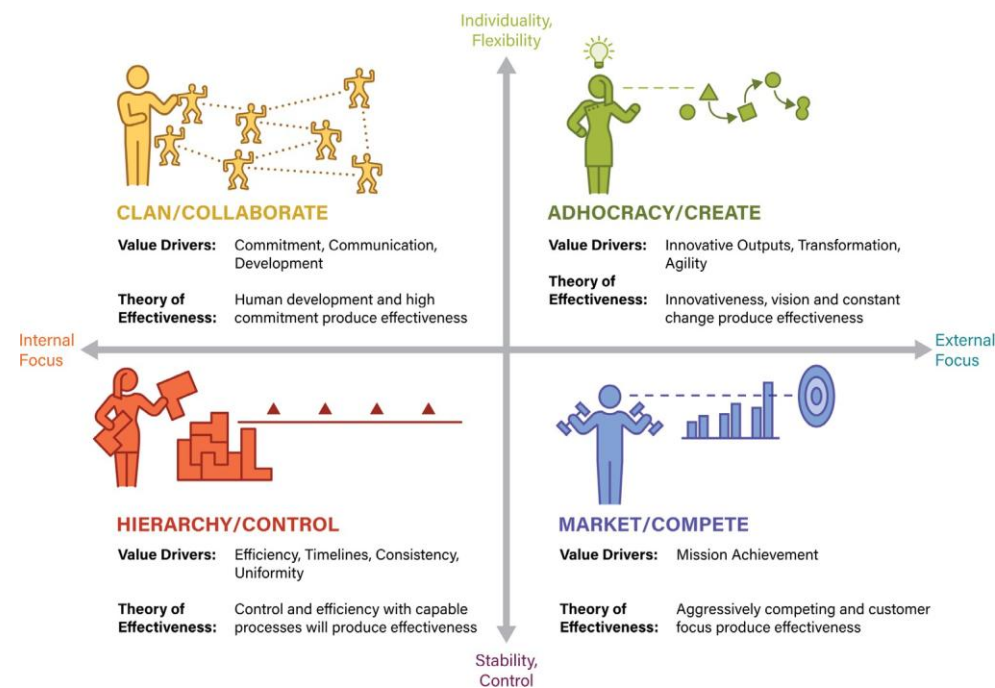
## Policy at the speed of Relevance



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

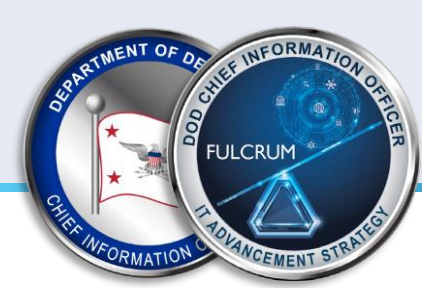
The Software Factory Coalition and the DoD DevSecOps Community of Practice are forums where bottom-up innovation enables and informs top-down change.

## Understanding and aligning culture

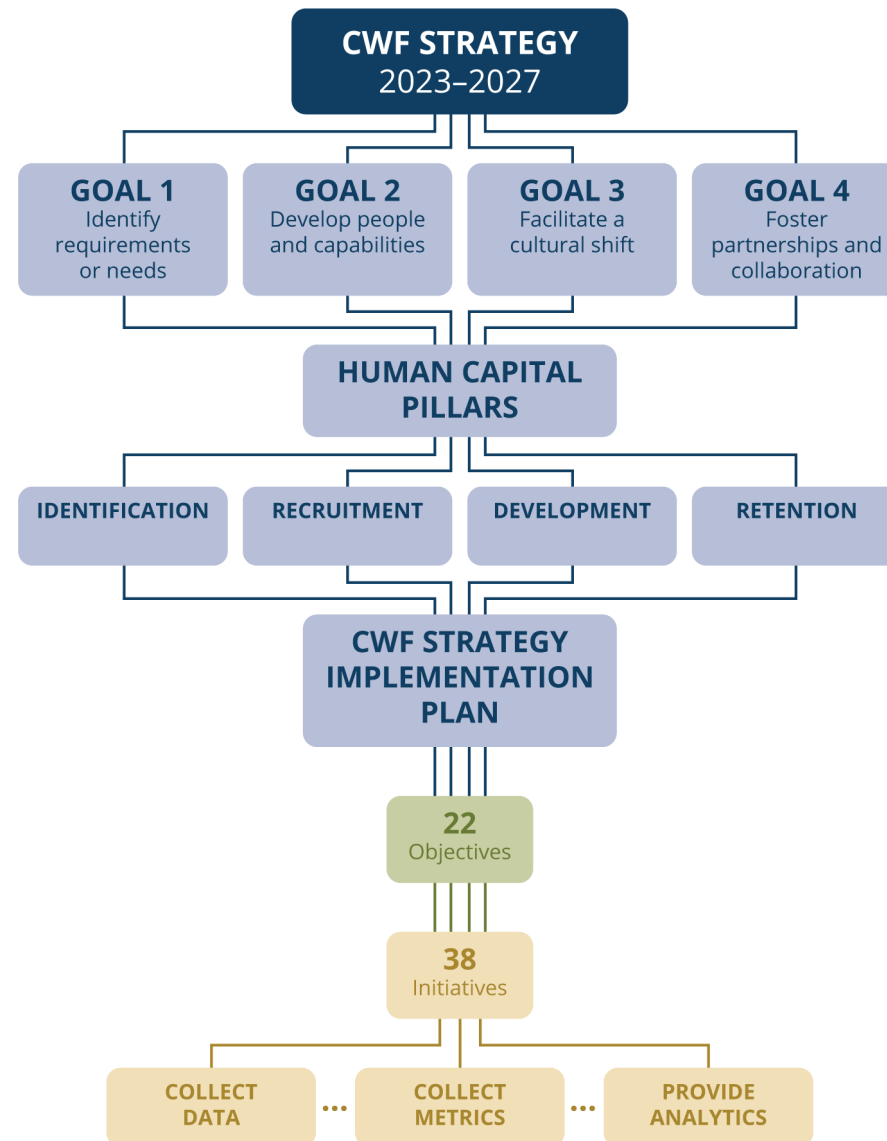


The transition from waterfall to agile development and DevSecOps can be viewed as transitioning from a culture dominated by Control-oriented values (the DoD's traditional hierarchical control culture) to one that incorporates the values of the Creative and Competitive

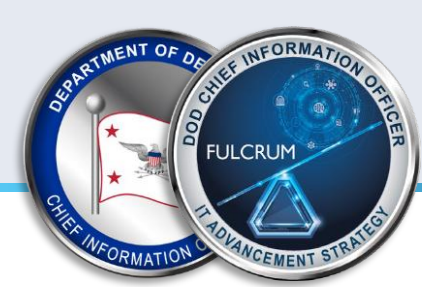




# Forging a Mission-Ready DSO Workforce







# 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

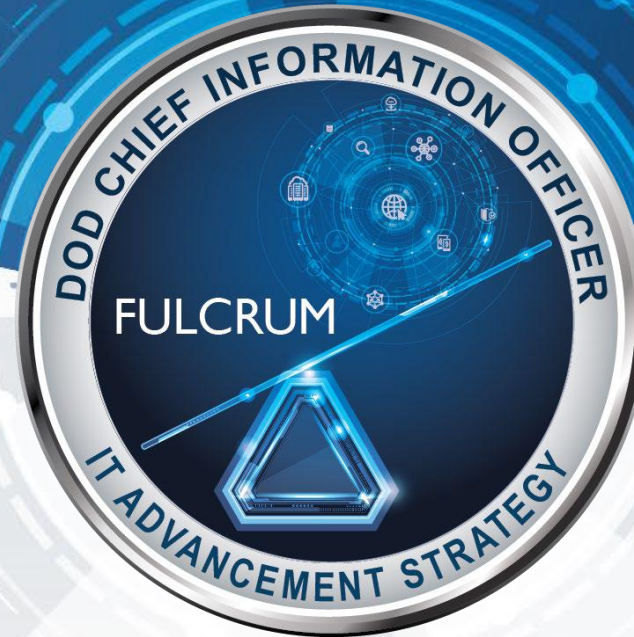
- Scale the Adoption of Modern Software Practices
- Provide Tools to Speed Software Development Productivity
- Enable Software Interoperability through APIs
- Increase use of cATOs for Better, Timelier Security
- Establish Software Factory Financial Operating Models
- Prepare Software Factories for AI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





# Questions



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To Provide Feedback



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# Going Forward