

SEI Bulletin

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SEI Study on Defense Department DevSecOps Finds Excellence and Opportunities

May 14, 2025—A high-stakes, high-security environment has challenged the implementation of DevSecOps practices within the Department of Defense (DoD). A study conducted by the SEI, released last week by the DoD Chief Information Officer (CIO), baselines the state of DoD DevSecOps, highlights successes, and offers insights for next steps.

The State of DevSecOps within the Department of Defense study found that pockets of the DoD have had significant success with DevSecOps practices, enhancing deployment speed, security, and operational efficiency. To move forward, the DoD needs to implement those successes at scale.

“This study provides an important baseline, as well as data collection recommendations, to enable decision making at all levels,” said Eileen Wrubel, technical director of software acquisition policy and practice at the SEI’s Software Solutions Division (SSD) and one of the study’s investigators. “Research like this ensures that the DoD’s software ecosystem is effective,

scalable, and adaptable enough to meet the challenges of today and tomorrow.”

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SEI News

[**SEI Study on Defense Department DevSecOps Finds Excellence and Opportunities**](#)

The study, released by the DoD Chief Information Officer, found the department should scale up its pockets of DevSecOps success.

[**2024 Year in Review Showcases SEI's Impact on National Security**](#)

Crucial research and development in software, cybersecurity, and artificial intelligence enhanced warfighter capabilities and national defense.

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Latest Blogs

[**10 Things Organizations Should Know About AI Workforce Development**](#)

This post outlines 10 recommendations on enabling DoD mission partners to implement AI solutions.

[**DataOps: Towards More Reliable Machine Learning Systems**](#)

This post explains DataOps, an area that focuses on the management and optimization of data throughout its lifecycle.

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Latest Podcasts

[The Best and the Brightest: 6 Years of Supporting the President's Cup Cybersecurity Competition](#)

The SEI team that supported the President's Cup Cybersecurity Competition details their challenges, successes, and lessons learned.

[Updating Risk Assessment in the CERT Secure Coding Standard](#)

Joe Sible, David Svoboda, and Robert Schiela explore proposed risk assessment updates to the CERT Secure Coding Standard.

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[**Latest Videos**](#)

[A New Performance Zone for Software for National Security](#)

Hasan Yasar, Will Hayes, and Joe Yankel assert that software engineering practices are an ingredient that should not be left behind as national security and defense organizations adopt leap-ahead technologies.

[Identifying and Mitigating Cyber Risk](#)

Matt Butkovic, Greg Crabbe, and Beth-Anne Bygum explore how best to align business and resilience objectives.

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[**Latest Publications**](#)

[2024 SEI Year in Review](#)

The 2024 SEI Year in Review highlights the work of the institute undertaken during the fiscal year spanning October 1, 2023, to September 30, 2024.

[A Socio-Technical Perspective on Software Vulnerabilities: A Causal Analysis](#)

This article investigates the causal relationships between the social behaviors of people developing software and effectively maintaining files related to software vulnerabilities.

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Upcoming Events

Webcast - [I Spy with My Hacker Eye: How Hackers Use Public Info to Crack Your Creds](#), May 14

Destiney Marie Plaza reveals five ways to protect yourself from getting your password cracked.

[The State of DevSecOps in the DoD: Where We Are, and What's Next](#), May 19

The SEI's Brigid O'Hearn and Eileen Wrubel and George Lamb, DoD's Director of Cloud and Software Modernization, discuss how key findings of *The State of DevSecOps in the DoD* study will help the DoD ensure an effective, scalable, and adaptable software ecosystem to meet the challenges of today and tomorrow.

[Insider Risk Management Symposium 2025](#), June 12

The theme of this year's event is "Technology-Driven Changes to the Insider Risk Landscape."

[International Workshop on Envisioning the AI-Augmented Software Development Life Cycle](#), June 26

This workshop seeks to explore how AI might transform end-to-end software systems development workflows and emphasizes the need to collect relevant data now to assess the long-term effects of AI throughout the software development life cycle.

[Secure Software by Design 2025](#), August 19-20

Join thought leaders in secure software by design for presentations and discussions on all aspects of secure software systems development.

[Model-Based Systems Engineering \(MBSE\) Conference 2025](#), August 21

Join us to gain practical insights from seasoned MBSE adopters, discover innovative solutions to common challenges, and shape the future of systems engineering in an increasingly complex world.

[See more events »](#)



Upcoming Appearances

[Ash Carter Exchange on Innovation and National Security and A+ Expo 2025](#), June 2-4

Visit the SEI and Carnegie Mellon University at booth 627.

[AFCEA TechNet Augusta 2025](#), August 18-21

Visit the SEI at booth T825.

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Upcoming Training

[Cybersecurity Oversight for the Business Executive](#)

July 29-30 (Live Online)

[Documenting Software Architectures](#)

August 4-7 (Live Online)

E-learning - [CERT Artificial Intelligence \(AI\) for Cybersecurity Professional Certificate](#)

E-learning - [Introduction to Artificial Intelligence \(AI\) Engineering](#)

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Employment Opportunities

[Chief Engineer - Artificial Intelligence Division](#)

[Embedded Software Engineer - Alabama](#)

[Senior Embedded Software Engineer - Florida](#)

[All current opportunities »](#)

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