

SEI Bulletin

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New DoD Memo Accelerates Software Acquisition Modernization

March 19, 2025—A recent Department of Defense (DoD) memo has directed all DoD components to adopt the Software Acquisition Pathway (SWP). The SWP, issued in 2020, requires the use of modern software practices and tools to speed the delivery of software within the DoD. The SEI helped shape the policy and has worked with DoD programs to implement it, with the goal of accelerating delivery of capability to the warfighter.

“I’m proud of the role the SEI has played in the launch and scaling of the pathway, through the integration of data-driven insights, software engineering research, and acquisition science,” said SEI Software Solutions Division director Anita Carleton. “The recent memo poises the Defense Department to push the envelope further, and we’re excited to continue to help programs and policy owners achieve capability delivery at speed and scale.”

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[Silent Sentinel Tool Automates Software Risk Analysis](#)

The recently released open source tool provides software development and cybersecurity teams a consistent, repeatable process.

[SEI Support for President's Cup Leaves Lasting Legacy](#)

As CISA's sixth annual cybersecurity competition begins with a new supporting vendor, the SEI looks back at five years of success.

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[The DevSecOps Capability Maturity Model](#)

Timothy A. Chick, Brent Frye, and Aaron Reffett talk about how implementing DevSecOps can improve multiple aspects of the effectiveness of a software organization and the quality of the software for which it is responsible.

[Detection and Repair: The Cost of Remediation](#)

Some exciting updates are planned for the SEI CERT C Coding Standard. David Svoboda discusses one idea for improving it.

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[Grace Lewis Outlines Vision for IEEE Computer Society Presidency](#)

The SEI's Grace Lewis was elected the 2026 president of the IEEE Computer Society, the largest community of computer scientists and engineers.

[Improving Machine Learning Test and Evaluation with MLTE](#)

Machine learning (ML) models commonly experience issues when integrated into production systems. SEI researchers and Katherine R. Maffey of the U.S. Army AI Integration Center talk about MLTE, which provides a process and infrastructure for ML test and evaluation.

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[Latest Videos](#)

[Can a Cybersecurity Parametric Cost Model be Developed?](#)

Christopher Miller shares insights from an SEI study on cybersecurity cost estimating that can help national security organizations successfully deploy parametric cost modeling.

[Elements of Effective Communications for Cybersecurity Teams](#)

Cybersecurity operations researcher Sharon Mudd leverages the NIST Cybersecurity Framework and the FIRST CSIRT Services Framework to explain communications responsibilities in the standard incident management lifecycle and as an integral piece of crisis management support.

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[Latest Publications](#)

[AI Hygiene Starts with Models and Data Loaders](#)

This paper places a call to action for traditional cybersecurity tools and techniques to be applied to artificial intelligence for improving the cybersecurity of AI systems.

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Upcoming Events

Webcast - [Threat Hunting: What Should Keep All of Us Up at Night](#), March 26

Dan Ruef explains how cybersecurity professionals can stay on task to secure networks and systems even as the big promises of the latest and greatest tools and other distractions vie for their attention.

Webcast - [New Data Exchange Standard Eases Insider Incident Data Collection and Sharing](#), April 2

Austin Whisnant and Dan Costa introduce the Insider Incident Data Exchange Standard (IIDES), which enables researchers and practitioners to easily build insider threat case data and share analysis and insights.

[See more events »](#)



Upcoming Training

[Insider Threat Analyst](#)

May 6-8 (SEI Live Online)

[Designing Modern Service-Based Systems](#)

May 6 (SEI Live Online)

[Design Guidelines and Patterns for Microservices](#)

May 12-15 (SEI 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

[Senior Autonomous Systems Research Scientist](#)

[Senior Machine Learning Research Scientist - Secure AI Lab](#)

[Senior Machine Learning Research Scientist - AI Engineering Team](#)

[**All current opportunities »**](#)

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