

SEI Bulletin

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SEI Webcasts Support Cybersecurity Awareness Month

September 28, 2022 —The Software Engineering Institute will support Cybersecurity Awareness Month with free webcasts in October on a range of cybersecurity topics, hosted by researchers from the SEI's CERT Division:

- [Using Open Source to Shrink the Cyber Workforce Gap](#), October 4, 11 a.m. to noon EDT
- [Ransomware: Defense and Resilience Strategies](#), October 11, 1:30-2:30 p.m. EDT
- [Applying the Principles of Agile to Strengthen the Federal Cyber Workforce](#), October 27, 11 a.m. to noon EDT

Every October since 2004, the Cybersecurity and Infrastructure Security Agency (CISA) and National Cyber Security Alliance (NCSA) have sponsored an awareness-raising campaign about the importance of cybersecurity across the nation. The three webcasts for organizational cybersecurity leaders will highlight some of the SEI CERT Division's latest research and development.

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[SEI Webcasts Support Cybersecurity Awareness Month](#)

Experts on ransomware, Agile methods, and the cyber workforce will spread the word with three free online talks.

[New Edition of Common Sense Guide to Mitigating Insider Threats Released](#)

The seventh edition of the popular publication features a new best practice and mappings to the NIST Privacy Framework.

[Software Engineering Educators Gather at Hybrid Workshop](#)

College educators exchanged techniques and learned about technical debt, machine learning, edge computing, and software design.

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[Vultron: A Protocol for Coordinated Vulnerability Disclosure](#)

Allen Householder introduces Vultron, a protocol for multi-party coordinated vulnerability disclosure (MPCVD).

[Using Alternate Data Streams in the Collection and Exfiltration of Data](#)

Dustin Updyke and Molly Jaconski describe how attackers obscure their activity via alternate data streams (ADSs) and how to defend against malware attacks that employ ADSs.

[See more blogs »](#)



[Software Architecture Patterns for Robustness](#)

Rick Kazman discusses software architecture patterns and the effect that

certain architectural patterns have on quality attributes, such as availability and robustness.

[A Platform-Independent Model for DevSecOps](#)

Tim Chick and Joe Yankel present a DevSecOps Platform-Independent Model that uses model-based systems engineering to formalize the practices of DevSecOps pipelines and organize relevant guidance.

[See more podcasts »](#)



[Latest Publications](#)

[Managing Technical Debt: Identify Technical Debt Items](#)

This fact sheet describes how an organization can create an inventory of technical debt items, assess them for impact, and plan how to manage them effectively.

[Managing Technical Debt: Credit Check](#)

This fact sheet outlines the costs of technical debt and explains how a Technical Debt Credit Check reveals the causes of technical debt and how to manage it.

[Designing Vultron: A Protocol for Multi-Party Coordinated Vulnerability Disclosure \(MPCVD\)](#)

This report proposes a formal protocol specification for MPCVD to improve the interoperability of both CVD and MPCVD processes.

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[Latest Videos](#)

[Exploring an AI Engineering Body of Knowledge](#)

Carol Smith, Carrie Gardner, and Michael Mattarock discuss maturing artificial intelligence (AI) practices based on the current body of knowledge from the AI Division.

[What Are Deepfakes, and How Can We Detect Them?](#)

Shannon Gallagher and Dominic Ross discuss deepfakes and what makes them distinguishable as fake for people and computers.



[Upcoming Events](#)

Webcast - [Using Open Source to Shrink the Cyber Workforce Gap](#), October 4

Matt Kaar and Jarrett Booz discuss open source initiatives that bring innovative ideas to cybersecurity modeling and simulation.

Webcast - [Ransomware: Defense and Resilience Strategies](#), October 11
Brett Tucker will discuss a novel means for assessing an organization to determine its susceptibility to ransomware.

Conference - [DevSecOps Days Washington, D.C. 2022](#), October 12
This virtual conference helps DevSecOps practitioners elevate their practices.

Webcast - [Applying the Principles of Agile to Strengthen the Federal Cyber Workforce](#), October 27

Josh Hammerstein discusses how to use principles and concepts from Agile development to help cyber workforce development initiatives remain adaptable.

[See more events »](#)



[Upcoming Appearances](#)

[AI World Government](#), October 6-7

Hear four SEI artificial intelligence and cybersecurity researchers at AI World Government, where federal government decision makers share how they're leveraging AI to innovate and advance services, and visit the SEI booth.

[IEEE Secure Development Conference \(SecDev\)](#), October 18-20

SecDev is a venue for presenting ideas, research, and experience about

how to develop secure systems. A tutorial on threat modeling of cloud-based IT solutions, co-authored by the SEI's Hasan Yasar, will be presented.

[ACT-IAC Imagine Nation ELC Conference](#), October 23-25

The government technology community will discuss the issues facing the government and how to develop practical solutions and innovative strategies. Meet the SEI at our booth in the Partner Pavilion.

[See more opportunities to engage with us »](#)



[Upcoming Training](#)

[Managing for Supply Chain Resilience](#)

September 29-30 (NDIA, Live Online) - This course, hosted by the SEI and the National Defense Industrial Association Business Institute, will explore the sources and types of supply chain risks and provide practical guidance on how to manage these in alignment with business strategy.

[Advanced Topics in Incident Handling](#)

November 7-10, 2022 (SEI, Live Online)

[Assessing Information Security Risk Using the OCTAVE Approach](#)

December 13-15, 2022 (SEI, Live Online)

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