SEI Bulletin

SEI Maps Out Cybersecurity for World Economic Forum

June 9, 2021 — The World Economic Forum (WEF) recently released an updated mapping of high-level cybersecurity challenges, curated by members of the SEI's CERT Division, to other global topics. The online, interactive map shows the conceptual interconnections among 273 issues transforming economies and industries. The CERT team updated all the cybersecurity sub-topics and added an important new one: cyber and supply chain risk.

"This is one of the most important expressions of our impact on the global cyber community," said the CERT Division's Matt Butkovic, the map's named curator.

Read more »

SEI News

[Nominations Sought for 2021 Northrop Software Architecture Award](#)
Nominate an individual or team by June 15 for success through architecture, leadership, persistent change, and a new perspective.

[Registration Open for Software Engineering Workshop for Educators 2021](#)
The SEI invites college-level educators of all areas of software engineering to join the 18th annual workshop virtually.

[DevSecOps Days Pittsburgh 2021 Opens Registration](#)
The free meeting of DevSecOps practitioners will be held virtually on June 16.

[See more news »](#)

Latest Blogs

[Accelerating Safety Assurance](#)
Dionisio De Niz describes promising results in assuring the safety of cyber-physical systems.

[CERT/CC Comments on Standards and Guidelines to Enhance Software Supply Chain Security](#)
Art Manion, Eric Hatleback, Allen Householder, Jonathan Spring, and Laurie Tyzenhaus recently submitted comments to the National Institute of Standards and Technology (NIST).

[Potential Implications of the California Consumer Privacy Act (CCPA) for Insider Risk Programs](#)
Emily Kessel, Sarah Miller, and Carrie Gardner review the CCPA, describe specific implications for insider risk management, and provide recommendations to prepare insider risk programs.

[See more blogs »](#)

Latest Podcasts

[AI Workforce Development](#)

Rachel Dzombak and Jay Palat discuss growth in the field of artificial intelligence (AI) and how organizations can hire and train staff to take advantage of the opportunities afforded by AI and machine learning.

Moving from DevOps to DevSecOps
Hasan Yasar discusses how organizations can transition from DevOps to DevSecOps.

My Story in Computing with Dave Zubrow
David Zubrow discusses his career, from an applied history and social sciences PhD to a manager and technical leader at the SEI.

See more podcasts »

Latest Publications

Foundation of Cyber Ranges
This report details the design considerations and execution plan for building high-fidelity, realistic virtual cyber ranges that deliver maximum training and exercise value for cyberwarfare participants.

Using Value Engineering to Propel Cyber-Physical Systems Acquisition
This paper investigates the adaptation of value engineering (VE) methods into the acquisition of software-intensive weapon systems.

Prioritizing Vulnerability Response: A Stakeholder-Specific Vulnerability Categorization (Version 2.0)
Version 2.0 of a Stakeholder-Specific Vulnerability Categorization (SSVC) is formed of decision trees and avoids some problems with the Common Vulnerability Scoring System (CVSS).

See more publications »

Latest Videos

Using Value Engineering to Propel Cyber-Physical Systems Acquisition
Nickolas Guertin and Alfred Schenker discuss adapting Value Engineering

(VE) methods into the acquisition of software-intensive weapon systems.

Webcast - [Software Supply Chain Concerns for DevSecOps Programs](#)
Aaron Reffett and Richard Laughlin explore the important architectural aspects of DevSecOps that are impacted by the software supply chain.

Webcast - [How Do We Teach Cybersecurity?](#)
Rotem Guttman shares the lessons he's learned over a decade of developing engaging, immersive training and evaluation environments.

📅 Upcoming Events

[DevSecOps Days Pittsburgh 2021](#), June 16
Join leading DevSecOps professionals who are changing the world of software engineering.

[Software Engineering Workshop for Educators](#), August 3-5
The annual Workshop for Educators to foster an ongoing exchange of ideas among educators whose curricula include the subjects of software architecture and software product lines.

[AI World Government 2021](#), October 18-19
SEI experts will participate in this two-day forum to educate federal agency leaders on proven strategies and tactics to deploy AI and cognitive technologies.

> **Note:** The SEI is evaluating all upcoming courses, conferences, and events case-by-case in light of COVID-19 developments. Check individual event pages for the latest information.

[See more events »](#)

🎖️ Upcoming Training

[Software Architecture: Principles and Practices](#)

August 3-6, 2021 (SEI, Live Online)

[Insider Threat Analyst](#)
August 10-12, 2021 (SEI, Live Online)

Note: The SEI is evaluating all upcoming courses, conferences, and events case-by-case in light of COVID-19 developments. Check individual training pages for the latest information. You may also contact us at courseregistration@sei.cmu.edu or +1-412-268-7388.

[See more courses, including live-online and eLearning offerings »](#)

Employment Opportunities

[Senior Risk Engineer](#)

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[All current opportunities »](#)

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