

SEI Bulletin

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Penetration-Testing Findings Repository Now Available

August 2, 2023—The SEI has released an open-source, standardized repository of findings from penetration tests. Most penetration testing assessments report weaknesses and vulnerabilities in idiosyncratic language, making it hard to research or share vulnerability information.

"The repository standardizes the language of findings and minimizes the time and effort for report writing," write the SEI's Marisa Midler and Samantha Chavez in a new blog post about the repository. "Moreover, the standardized finding-name format assists in analyzing aggregated data across multiple penetration-testing assessments."

Midler and Chavez also discussed the repository in a recent SEI podcast.

[Read the blog post »](#)

[Listen to the podcast »](#)

[Explore the repository »](#)



[New Report Recommends Department of Defense Software Advisory Board](#)

The report outlines technical and policy changes to make software capabilities a competitive advantage for national security.

[FloCon 2024 Seeks Presentations on Situational Awareness Beyond the Network](#)

The conference on using data to defend enterprise networks will take place in Mobile, Alabama, next January.

[**See more news »**](#)



[A Repository of Common Penetration-Testing Weaknesses](#)

Marisa Midler and Samantha Chavez introduce a penetration-testing findings repository now publicly available on GitHub.

[Using Game Theory to Advance the Quest for Autonomous Cyber Threat Hunting](#)

Phil Groce applies game theory to algorithms for a fully autonomous threat hunting capability and introduces chain games for evaluating and refining threat hunting strategies.

[**See more blogs »**](#)



[Zero Trust Architecture: Best Practices Observed in Industry](#)

Matthew Nicolai and Nathaniel Richmond discuss five best practices in implementing a zero trust architecture, their significance, and ways to empower your organization's zero trust transformation.

[Automating Infrastructure as Code with Ansible and Molecule](#)

Matthew Heckathorn offers guidance for systems engineers, system administrators, and others on developing Ansible roles and automating infrastructure as code.

[**See more podcasts »**](#)



[**Latest Publications**](#)

[Secure Software by Design 2023](#)

These presentations were given at the 2023 Secure Software by Design Conference, where attendees discussed all aspects of secure software systems development.

[Coding the Future: Recommendations for Defense Software R&D](#)

This report outlines the key recommendations from the November 2022 workshop "Software as a Modernization Priority."

[**See more publications »**](#)



[**Latest Videos**](#)

[Establish Standard Zero Trust Maturity Levels](#)

Matthew Nicolai speaks to the importance of public-sector organizations and partners in private industry working together to develop a cohesive and unified maturity model.

[Create a Risk-Based Assessment for Zero Trust Implementations](#)

Trista Polaski highlights why organizations should specify the steps, state the transformation process, and identify how organizations can achieve digital trust in a zero trust implementation.

[Will Rust Solve Software Security?](#)

David Svoboda and Joe Sible evaluate the Rust programming language from a cybersecurity perspective.



Upcoming Events

Webcast - [What's Wrong with ROI for Model-Based Analysis of Cyber-Physical Systems?](#) August 9

Fred Schenker and Linda Parker Gates discuss the benefits of using a model-based approach to improve the design of embedded computing resources in a CPS.

[DevSecOps Days Washington D.C. 2023](#), October 12

At this free, SEI-hosted event, learn how to integrate security into your DevOps practices and transform your DevSecOps journey.

[See more events »](#)



Upcoming Appearances

[AFA Air, Space & Cyber Conference 2023](#), September 11-13

See CERT Division director Greg Touhill moderate a panel on cyber warfare, and visit the SEI at booth #231 in the exhibitor hall.

[InfoSec World 2023](#), September 25-27

See the SEI's Randy Trzeciak, Tom Scanlon, Hasan Yasar, Tim Chick, and Mark Sherman.

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



Upcoming Training

[Designing Modern Service-Based Systems](#)

October 17, 2023 (SEI Live Online)

[Design Guidelines and Patterns for Microservices](#)

October 24-27, 2023 (SEI Live Online)

[See more courses »](#)



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