DevSecOps Platform-Independent Model Receives Major Update

November 9, 2022—Recent updates to the SEI’s DevSecOps Platform-Independent Model (PIM) add cybersecurity, personnel role involvement, and DevSecOps main flow features.

The first release of the PIM described a DevSecOps pipeline at the highest level: requirements, the product development lifecycle process, and the organizational roles needed to produce software. Since then, a cross-disciplinary SEI team has added flesh to the PIM’s bones. Version 2.1 of the PIM is now even more useful to organizations looking to build or assess software development pipelines.

Read more »
DevSecOps Platform-Independent Model Receives Major Update
New features bolster cybersecurity, personnel modeling, and DevSecOps flow.

2022 Research Review to Show the SEI Forging the Path
The SEI will showcase its latest work November 14-16 in the seventh annual Research Review.

FloCon 2023 Registration Opens for January In-Person Event
FloCon 2023's academic, industrial, and government speakers on using data to defend enterprise networks will gather in Santa Fe, New Mexico.

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Latest Blogs

Writing Ansible Roles with Confidence
Matthew Heckathorn provides guidance on how best to begin developing Ansible roles with confidence that they will work as intended.

How to Mitigate Insider Threats by Learning from Past Incidents

A Technical DevSecOps Adoption Framework
Vanessa Jackson and Lyndsi Hughes describe the new DevSecOps adoption framework that guides the planning and implementation of a roadmap to functional continuous-integration/continuous-delivery pipeline capabilities.

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Latest Podcasts

ML-Driven Decision Making in Realistic Cyber Exercises
Thomas Podnar and Dustin Updyke discuss efforts to apply machine
learning to increase the realism of non-player characters (NPCs) in cyber training exercises.

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.

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Latest Publications

Zero Trust Industry Day Experience Paper
This paper describes the results of the 2022 Zero Trust Industry Day event.

Challenge Development Guidelines for Cybersecurity Competitions
This report draws on the SEI’s experience to provide general-purpose guidelines and best practices for developing effective cybersecurity challenges.

DevSecOps Days Washington, D.C. 2022
This collection captures presentations from DevSecOps Days Washington, D.C., held October 12.

See more publications »

Latest Videos

Infrastructure as Code Through Ansible
Matthew Heckathorn discusses how the infrastructure as code (IaC) concept enables organizations to automate the provisioning of IT infrastructure.
CMU SEI Research Review 2022 Preview Videos
These short videos introduce the research topics to be presented at the SEI Research Review 2022.

Applying the Principles of Agile to Strengthen the Federal Cyber Workforce
Josh Hammerstein discusses how to use principles and concepts from Agile development to help cyber workforce development initiatives remain adaptable.

Upcoming Events

Conference - FloCon 2023, January 9-12, 2023
The SEI's conference on using data to defend enterprise networks returns in person.

See more events »

Upcoming Training

Cybersecurity Oversight for the Business Executive
January 18-19, 2023 (SEI, Live Online)

Software Architecture: Principles and Practices
January 23-26, 2023 (SEI, Live Online)

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