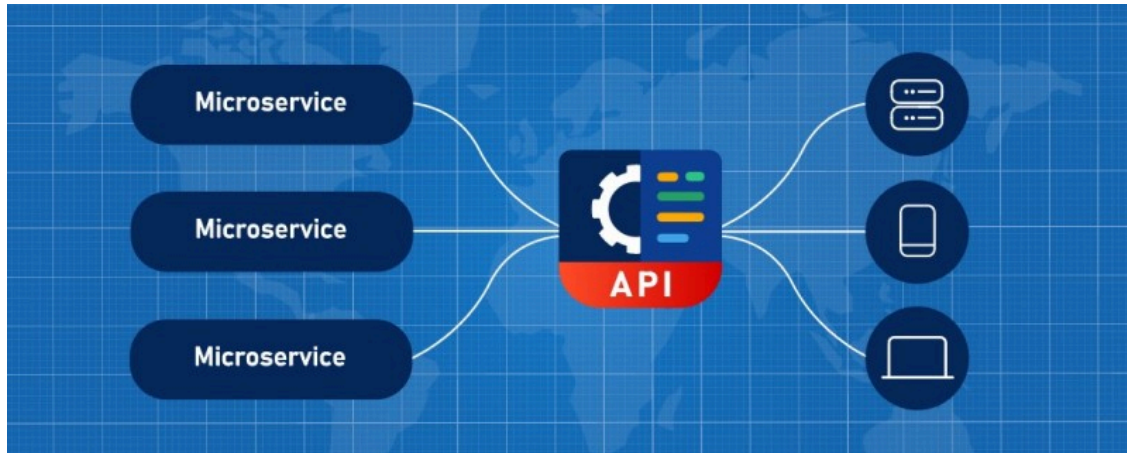


SEI Bulletin

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3 API Security Risks and Mitigations

July 17, 2024—Increased use of microservice architectures has made public-facing application programming interfaces (APIs) more common than ever. They enable scalable, flexible applications, but APIs present a potentially easy target for attackers. A new SEI Blog post presents mitigations for the top three API security risks: third-party software integrations, cascading failures, and increased network attack surface.

“To facilitate implementation of a zero trust strategy in a network requires a focused effort to identify API-specific vulnerabilities,” writes the SEI’s McKinley Sconiers-Hasan, the author of “3 API Security Risks and Recommendations for Mitigation” and a longer report from which the blog post is excerpted.

[Read the post »](#)



[SEI News](#)

[Ozkaya Explores Generative AI in Software Architecture During International Conference Keynote](#)

The IEEE International Conference on Software Architecture is the premier event for the field's researchers and practitioners.

[CERT Insider Risk Symposium to Focus on Deterrence](#)

Registration is open for the Insider Risk Management Symposium, to be held in person August 14 in Arlington, Virginia.

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[3 API Security Risks and Recommendations for Mitigation](#)

McKinley Sconiers-Hasan presents three top API security risks along with recommendations for mitigating them.

[Cultivating Kubernetes on the Edge](#)

Members of the SEI DevSecOps Innovation team explore an alternative to VMware's vSphere Hypervisor in an edge compute environment.

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David Svoboda discusses two vulnerabilities related to Rust, their sources, and how to mitigate them.

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SEI experts in software engineering discuss how generative AI is influencing software engineering education.

[Secure Systems Don't Happen by Accident](#)

Timothy A. Chick discusses how security is an integral aspect of the entire software lifecycle.



Latest Publications

[Application Programming Interface \(API\) Vulnerabilities and Risks](#)

This report describes 11 common vulnerabilities and 3 risks related to application programming interfaces and provides suggestions about how to fix or reduce their impact.

[Software Bill of Materials \(SBOM\) Considerations for Operational Test & Evaluation Activities](#)

This white paper looks at the background and history of SBOMs as well as the general questions and challenges for use with operational test and evaluation activities.

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Upcoming Events

[Secure Software by Design](#), August 6-7

Collaborate on improving software security with two on-site days of panel discussions and presentations plus two optional on-site days of training.

[Insider Risk Management Symposium 2024](#), August 14

Join us to hear about the latest challenges and best practices in insider risk

management from recognized leaders in insider threat research and development.

[DevSecOps Days Washington D.C. 2024](#), September 18

This free, in-person event in Arlington, Virginia, will teach how to integrate security into DevOps practices and transform DevSecOps journeys.

[International Conference on Conceptual Modeling \(ER 2024\)](#), October 28-31

The SEI will host the main international forum for discussing the state of the art, emerging issues, and future challenges in research and practice on conceptual modeling.

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[Upcoming Appearances](#)

[Emerging Technologies for Defense Conference & Exhibition 2024](#), August 7-9

Visit the SEI at booth 316.

[27th Annual Systems & Mission Engineering Conference](#), October 28-31

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[Insider Risk Management: Measures of Effectiveness](#)

October 29-31 (SEI Live Online)

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September 24-27 (SEI Live Online)

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