

**Carnegie Mellon University**  
Software Engineering Institute



SEI Bulletin — May 30, 2018

## **Virtual SEI: Three Software Innovations that DoD Needs Now**

What has been the source of the United States' defensive advantage? Pointing to the DoD's 1970s-era Second Offset Strategy, some commentators have argued that the DoD's true advantage rests in an ability to rapidly field and integrate new technologies at a scale none can match. The Second Offset Strategy, however, was dominated by hardware-based or hardware-reliant technologies, such as GPS and stealth. Recognizing the vital role of software in today's defensive systems, the DoD's Third Offset Strategy will rely on software-dominated, leap-ahead technologies. What does rapidly integrating software innovations look like for the DoD?

In this panel discussion, Acting CTO Jeff Boleng and a panel of other SEI experts discuss

- why the DoD struggles to rapidly integrate software innovations
- proven methods for delivering software innovation to DoD's doorstep
- three software technologies that have been piloted in DoD settings

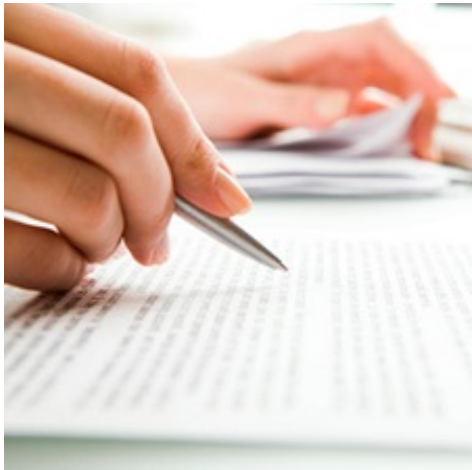
[Watch the video.](#)

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## SEI Publications

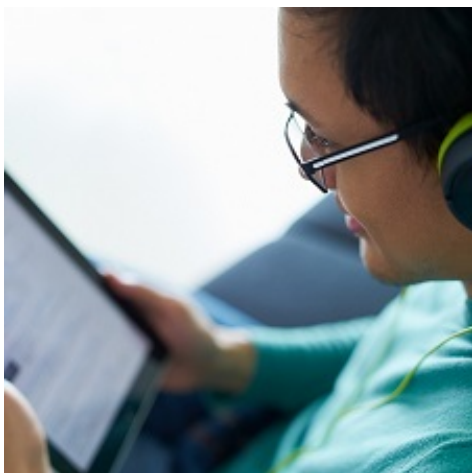
- [Migration of Legacy Components to Service-Oriented Architectures](#)
- [ROI Analysis of the System Architecture Virtual Integration Initiative](#)
- [Blacklist Ecosystem Analysis: July - December 2017](#)



## SEI Blog

Recent posts

- [Virtual Integration, Blockchain Programming, and Agile/DevOps: The Latest Work from the SEI](#)
- [Best Practices for Cyber Intelligence: A Look at the ODNI Cyber Intelligence Study and Some Early Findings](#)



## SEI Podcast Series

Available in video and audio formats

- [The Evolving Role of the Chief Risk Officer](#)
- [Obsidian: A Safer Blockchain Programming Language](#)

## SEI Events



## Featured events

- [Agile in Government Summit \(co-hosted by the SEI\)](#)
- [NatCSIRT 2018](#)
- [SEI Software Engineering Workshop for Educators](#)



## SEI Cyber Minute

Short video snapshots of SEI work from our experts

- [Preparing for IPv6 Enterprise Deployment](#)
- [Using Augmented Reality to See Real Opportunity](#)



## SEI Training

- [Creating a Computer Security Incident Response Team](#)  
August 13, 2018 (SEI Arlington, Va.)
- [Managing Computer Security Incident Response Teams](#)  
August 14-16, 2018 (SEI Arlington, Va.)



## SEI Careers

Featured opportunities

- [DevOps Engineer](#)
- [Senior Software Engineer](#)
- [All current opportunities](#)

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## About the SEI Bulletin

The SEI Bulletin is a biweekly newsletter designed to keep you up to date on SEI news, events, research, and other matters of interest to the SEI

community. We hope you find the SEI Bulletin useful and informative.

## Send Us Your Story

Do you have a story about how an SEI technology has positively affected your team or organization? If so, the SEI would like to hear about it. Send a short summary of your success to [info@sei.cmu.edu](mailto:info@sei.cmu.edu) and you could be featured in a future issue of the SEI Bulletin.



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