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Carnegie Mellon University
Software Engineering Institute



SEI Bulletin — July 24, 2019

SEI Reports Detail 12 Risks and 4 Best Practices When Moving to the Cloud

This month the SEI released a pair of technical reports on security in the cloud. [Overview of Risks, Threats, and Vulnerabilities Faced in Moving to the Cloud](#) details 12 challenges organizations must consider when developing applications using cloud services or moving existing applications to the cloud. [Cloud Security Best Practices Derived from Mission Thread Analysis](#) presents four security best practices organizations can use to improve the cybersecurity posture of their cloud deployments.

The report also gives examples of how the practices can be implemented in three of today's most popular CSPs: Amazon, Microsoft, and Google. "By providing the context and doing more prototyping work, the SEI is better able to help organizations," says Timothy Morrow, lead author of the reports and technical manager of the situational awareness group within the SEI's CERT Division.

"Cloud computing is a rapidly changing environment, with the CSPs constantly adding and upgrading the services they provide," says Morrow. "Staying up to date on the changes, as well as the specific cloud security service each CSP provides, is a big effort."

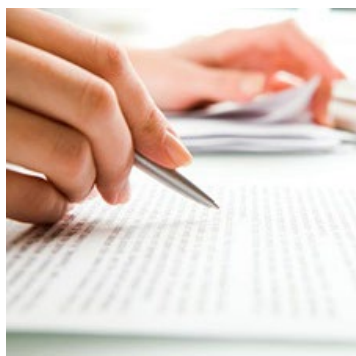
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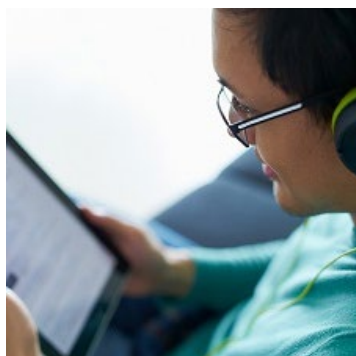
- [Death by Thumb Drive](#)
- [Cloud Security Best Practices Derived from Mission Thread Analysis](#)
- [Overview of Risks, Threat, and Vulnerabilities Faced in Moving to the Cloud](#)



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- [Research Review 2019](#)
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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, and you could be featured in a future issue of the SEI Bulletin.



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