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In This Issue

News: CERT® Resilience Management Model Version 1.2 Now Available for Download

The SEI's CERT Division has made Version 1.2 of the CERT® Resilience Management Model (CERT®-RMM) available for download. The new version features numerous enhancements to improve readability and usability and to eliminate redundancies.

[Learn more about CERT-RMM](#).

Also in the news:

- [More Than 200 Thought Leaders Convene to Spur Pittsburgh's Role as Center for Cybersecurity Innovation](#)
- [SEI's Kevin Fall Named ACM Fellow](#)
- [SEI Cybersecurity Expert Joins White House Office of Science and Technology Policy](#)
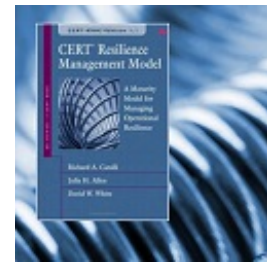
SEI Podcast Series: Quality Attribute Refinement and Allocation

SEI research shows that a focus on quality attributes prevents costly rework. Such a long-term perspective, however, can be hard to maintain in a high-tempo, Agile delivery model, which is why the SEI continues to recommend an architecture-centric engineering approach, regardless of the software methodology chosen. As part of our work in value-driven incremental delivery, we conducted exploratory interviews with teams in these high-tempo environments to characterize how they managed architectural quality attribute requirements (QARs). These requirements have a profound impact on system architecture and design, yet are often hard to divide, or slice, into the iteration-sized user stories common to iterative and incremental development.

Neil Ernst

In this podcast, the SEI's Neil Ernst discusses research on slicing (i.e., refining) performance in two production software systems and ratcheting (i.e., periodic increase of a specific response measure) of scenario components to allocate QAR work.

[Listen to the podcast.](#)

CERT Blog: Vulnerability IDs, Fast and Slow

The CERT Coordination Center Vulnerability Analysis team has engaged in a number of community-based efforts surrounding Coordinated Vulnerability Disclosure. In this post, The SEI CERT Division's Allen Householder highlights ongoing work in the Forum for Incident Response and Security Teams (FIRST). The CERT team is currently active in two vulnerability-related working groups within the FIRST organization: the Vulnerability Coordination SIG (recently merged with the NTIA Multiparty Disclosure working group), and the Vulnerability Reporting and Data eXchange SIG (VRDX-SIG). At the CERT Vendor Meeting on February 29, Householder presented some of the CERT Division's current work within the VRDX-SIG.

Allen Householder

Read the post.

SEI Blog: Three Roles and Three Failure Patterns of Software Architects

What makes an architect successful? What skills does a developer need to become a successful architect? There are no easy answers to these questions. In this SEI Blog post John Klein explains how, as a software system moves through its lifecycle, each phase calls for the architect to use a different mix of skills. Klein also identifies three failure patterns he has observed working with industry and government software projects.

Read the post.

John Klein

Events: SEI Architecture Technology User Network (SATURN) Conference

SATURN is designed for practitioners who are responsible for producing robust software architectures and those who view software architecture as a critical element of achieving their business goals.

As the premier architecture conference for senior engineers, SATURN has traditionally offered keynotes and sessions on both essential skills and cutting-edge methods for software architects. SATURN 2016 will continue this tradition with talks covering topics of strong foundations in software architecture as well as software craftsmanship for those pushing the state of the art in this field. This year's keynote speakers are

- **Grady Booch**, IBM Fellow and Chief Scientist at IBM/Watson
- **Daniel Jackson**, Professor of Computer Science, MacVicar teaching fellow, and Associate Director of the Computer Science and Artificial Intelligence Laboratory at MIT
- **Joe Salvo**, Director of GE Global Research

Registration for SATURN 2016 is now open. To learn more and to register, please visit www.sei.cmu.edu/saturn/2016/index.cfm.

SEI Jobs

The SEI is a great place to pursue your passion. Headquartered in Pittsburgh, Pa., the SEI also has offices in the Washington, DC, and Los Angeles, Calif., metropolitan areas.

Interested in working for the SEI? Below are a few recent employment opportunities. For more job listings and full position descriptions, check out the SEI Careers page.

Cybersecurity Engineer - Exercise Developer

Senior Technical Writer and Content Strategist
Network Security Engineer

Cybersecurity Risk Management Product Architect

Computer Security Information Analyst

Cyber Security Engineer - Penetration Tester

Machine Learning Research Scientist

Information Security Analyst

More job listings...
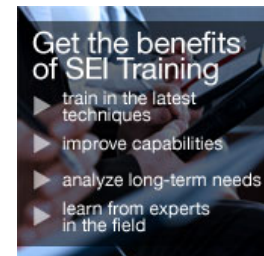
Training Opportunities

Upcoming Classes:

May 16 - 20, 2016 (Arlington, Va.)
Advanced Incident Handling

May 23 - 24, 2016 (Pittsburgh, Pa.)
Software Architecture: Principles and Practices

2016 Course Schedule
All 2016 Courses

Software Engineering Institute, Carnegie Mellon University
1-888-201-4479

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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.