

Strengthening Cybersecurity with a National or Government CSIRT

A new SEI course to help nations develop robust cybersecurity capabilities

This course describes important decisions and considerations that drive developing a computer security incident response team (CSIRT) tailored for national or government organizations. It discusses the basic components of CSIRTs and highlights the characteristics that make national or government CSIRTs unique. Topics covered include capabilities and functions of each type of CSIRT, working with stakeholders, planning activities, implementation strategies, enablers of effective CSIRTs, and supporting resources.

Audience

Register for this course if you are responsible for developing a CSIRT, particularly a national or government CSIRT, or if you want to learn more about them. Other audience members include

- current and prospective CSIRT managers
- C-level managers, such as chief information officers (CIOs), chief security officers (CSOs), and chief risk officers (CROs)
- project leaders interested in establishing or starting a national or government CSIRT
- those who interact with national or government CSIRTs and would like to learn more about how they operate and how to engage with them

Training courses provided by the SEI are not academic courses for academic credit toward a degree. Any certificates provided are evidence of the completion of the courses and are not official academic credentials.

About the SEI

Always focused on the future, the Software Engineering Institute (SEI) advances software as a strategic advantage for national security. We lead research and direct transition of software engineering, cybersecurity, and artificial intelligence technologies at the intersection of academia, industry, and government. We serve the nation as a federally funded research and development center (FFRDC) sponsored by the U.S. Department of Defense (DoD) and are based at Carnegie Mellon University, a global research university annually rated among the best for its programs in computer science and engineering.

Objectives

After completing the course, you will be able to do the following:

- Discuss the role of a national or government CSIRT and describe its components.
- Identify enablers and supporting resources for establishing a national or government CSIRT.
- Characterize stakeholders for national and government CSIRTs and identify needed collaboration, coordination, and information-sharing activities.
- Outline key planning decisions and approaches; create implementation strategies and plans.
- Describe methods for evaluating national and government CSIRTs and implement resulting process improvements.

Materials and Prerequisites

This two-day course, offered in person or virtually, uses a combination of lectures and group exercises. The first offering is virtual and takes place on October 8–9, 2024. Once you **register**, you will have access to online materials in the SEI Learning Management System (LMS). If you plan to attend an in-person offering in an SEI training facility, you must bring your own laptop to be used only during course exercises. This course has no prerequisites.

Learn more and get registration details by visiting sei.cmu.edu/education-outreach/courses/course.cfm?coursecode=P150 or emailing us at course-info@sei.cmu.edu.

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