SEI Bulletin

The New Cybersecurity Landscape of Remote Work

January 19, 2021 — With many employees working from home as a result of the COVID-19 pandemic, organizations have been forced to reckon with new cyber threats and vulnerabilities. In a new **blog post** and **podcast**, **Phil Groce**, a senior network defense analyst in the SEI's CERT Division, discusses the cybersecurity implications of remote work and practical solutions.

"There has been in the last five years a huge transformation and explosion in the number of devices on, and the complexity of, home networks," said Groce in the podcast. "As a result, over the course of time, vulnerabilities are accumulating and building up into a groundswell in home networks across the world."

Read the blog post "Remote Work: Vulnerabilities and Threats to the Enterprise."

Listen to the podcast "Work From Home: Threats, Vulnerabilities, and Strategies for Protecting Your Network."

The SEI Podcast Series is available on the [SEI website](#), [Apple Podcasts](#), [Google Podcasts](#), [TuneIn](#), [SoundCloud](#), [Stitcher](#), and the SEI's [YouTube channel](#).

SEI News

[SEI Releases OCTAVE FORTE Model for Enterprise Risk Management](#)

The OCTAVE FORTE (OCTAVE For the Enterprise) model for enterprise risk management helps executives and other decision makers understand and prioritize the complex risks affecting their organizations.

[AI Engineering Report Highlights Needs and Challenges to Focus Emerging Discipline](#)

The conclusions of a 2019 SEI workshop describe nine areas of need for the defense and national security AI systems of the future.

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Latest Blogs

[Remote Work: Vulnerabilities and Threats to the Enterprise](#)

Phil Groce explores how working from home has changed enterprise cybersecurity.

[Top 10 Blog Posts of 2020](#)

We present the 10 most-visited posts published in the previous year.

[An Introduction to Model-Based Systems Engineering (MBSE)](#)

Natalia Shevchenko introduces the formalized methodology for supporting the development of complex systems.

[See more blogs »](#)

Latest Podcasts

Work From Home: Threats, Vulnerabilities, and Strategies for Protecting Your Network

Phil Groce discusses the security implications of remote work.

An Introduction to CMMC Assessment Guides

Andrew Hoover and Katie Stewart, CMMC model architects, discuss the CMMC assessment guides, how they were developed, and how they can be used.

The CMMC Level 1 Assessment Guide: A Closer Look

Andrew Hoover and Katie Stewart, CMMC model architects, discuss the Level 1 Assessment Guide for the CMMC.

See more podcasts »

Latest Publications

Security Engineering Risk Analysis (SERA) Threat Archetypes

This white paper examines the concept of threat archetypes and how analysts can use them during scenario development.

Loss Magnitude Estimation in Support of Business Impact Analysis

This technical report describes the development of a method to improve estimated confidence in and ranges of potential cyber loss magnitude.

Emerging Technologies 2020

This white paper and presentation describe six key emerging technologies of interest to the DoD and researchers.

See more publications »

Latest Videos

[CMU SEI Research Review 2020 Presentation Videos](#)
This collection contains 21 video presentations from the SEI Research Review 2020.

Webcast - [Busting the Myths of Programmer Productivity](#)
Bill Nichols asks if the great programmers really are 10 times faster than the rest and what that productivity difference means.

Webcast - [What Is Cybersecurity Engineering and Why Do I Need It?](#)
Carol Woody and Rita Creel discuss how cybersecurity engineering knowledge, methods, and tools throughout the lifecycle of software-intensive systems will reduce their inherent cyber risk and increase their operational cyber resilience.

📅 Upcoming Events

Webcast - [Software Engineering for Machine Learning: Characterizing and Detecting Mismatch and Predicting Inference Degradation in ML Systems](#)
Learn perspectives involved in the development and operation of ML systems.

[AADL/ACVIP User Days 2021](#)
This free, two-day virtual forum presents the latest on the Architecture Analysis and Design Language (AADL), the Architecture-Centric Virtual Integration Process (ACVIP), and associated tools.

> **Note:** The SEI is evaluating all upcoming courses, conferences, and events case-by-case in light of COVID-19 developments. Check individual event pages for the latest information.

[See more events »](#)

🏅 Upcoming Training

[Documenting Software Architectures](#)

Feb. 22-25, 2021 (SEI Live Online)

[Software Architecture Design and Analysis](#)
Mar. 9-12, 2021 (SEI Live Online)

[Insider Threat Program Manager: Implementation and Operation](#)
Mar. 23-25, 2021 (SEI Live Online)

Note: The SEI is evaluating all upcoming courses, conferences, and events case-by-case in light of COVID-19 developments. Check individual training pages for the latest information. You may also contact us at courseregistration@sei.cmu.edu or +1-412-268-7388.

[See more courses, including live-online and eLearning offerings »](#)

Employment Opportunities

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