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, TunIn, SoundCloud, Stitcher, and the SEI's YouTube channel.

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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.

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Phil Groce discusses the security implications of remote work.

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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**
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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**
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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.

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**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 »**

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**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.

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