



Practicing Cybersecurity with Resilmesh: A Hands-On Exercise Combining Tools and Expertise

The **Resilmesh project**, funded by the European Union, is taking a major step toward strengthening cybersecurity readiness by organizing **two cyber exercises** - the first of which takes place **on 19-20 November 2025**, and **registration is now open**.

This is more than just a simulation, it is an opportunity for cybersecurity professionals to test their skills, gain practical experience, and learn how to respond effectively to real-world threats using cutting-edge tools developed by Resilmesh.

Cyber Threat Hunting in a Simulated Industrial Environment

Resilmesh Exercise 1 will take place in the unique virtual environment of **JYVSECTEC** - the **Jyväskylä Security Technology** center at **Jamk University of Applied Sciences** in Finland. Participants will step into a realistic industrial network and **hunt for traces of cyberattacks**, just like real-life incident responders.

"In this online exercise, participants will explore how cybersecurity tools, composed of various components, generate insights into incidents and threats. By integrating new innovations with proven best practices, it's possible to build a clearer and better situational picture."- **Matti Saarelma**, Specialist, Jamk

Whether you are an experienced analyst or an early-career professional, this is your chance to test your technical skills, develop your threat detection abilities, and gain practical insight into building cybersecurity resilience.

A Non-Competitive, Learning-Focused Experience

Unlike traditional competitions or capture-the-flag events, **Resilmesh Exercise 1 is not about speed or rankings**. It's about **learning**.

"During the exercise, you will gain practical experience of how traces left by a cyber attacker can be found in industrial systems. The participants do not compete with each other but instead solve cybersecurity challenges collaboratively." - **Tuomo Sipola**, Senior Researcher, Jamk

You will work with real data, simulate response processes, and understand how a cyberattack unfolds - all within a **safe, isolated, and controlled environment**.

Why Cyber Exercises Matter

Cybersecurity exercises are critical for **building organizational resilience** and **testing incident response protocols** in a realistic but risk-free setting.

"The exercises offer an isolated and controlled environment where you can safely test your ability to function. Training provides the ability to prepare before the real risk arises." - **Marko Angervuo**, Specialist, Jamk

In today's threat landscape, even well-defended systems can be breached due to **technical or human error**. Understanding what to do after a **breach is detected** is just as vital as prevention.

"The first step is to verify whether the event is truly a cyberattack. Once confirmed, the appropriate incident response teams must be alerted. This is followed by any necessary isolation measures and a more in-depth investigation." - **Matti Saarelma**

What You Will Gain

- Realistic exercise experience using advanced cybersecurity tools
- A better understanding of cyberattack indicators in industrial systems
- Enhanced ability to identify threats and build situational awareness
- Practical knowledge of incident response processes
- A chance to evaluate and improve your own skills

"The exercise helps to assess your level of competence and develops the ability of the individual and the organization to act in exceptional situations. If you're interested in hunting for traces of cyberattacks, you should take part." - **Tuomo Sipola**

Resilmesh Exercise 1 – Event Details

Date: 19–20 November 2025

Location: Online

Language: English

Format: Learning-focused, non-competitive

Audience: Cybersecurity professionals from companies, universities, and research institutes

Spots are limited - applicants may be selected based on availability and relevance. Final participants will be confirmed prior to the event.

Register here: <https://link.webropolsurveys.com/EP/049E3592EF59D2B0>

Contact for info: resilmesh-ex@jamk.fi

Prepare for the unexpected. Strengthen your skills. Join Resilmesh Exercise 1.

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Funded by the European Union

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