

Resilmesh Exercise Challenged Participants to Trace Threat Actors Online

The cyber exercise organised by the Resilmesh project in week 47 was attended by specialists from across Europe. The online exercise was carried out by the research, development and training centre JYVSECTEC (Jyväskylä Security Technology), located at the Institute of Information Technology of Jamk University of Applied Sciences.

In the exercise, the participants developed their skills by hunting for traces of cyber attacks in a realistic industrial environment. The participants were able to practice identifying malicious activity, digital forensics, and drawing conclusions in the same way as in real cyber threat situations.

“Feedback from the Resilmesh Exercise 1 was overwhelmingly positive. Participants praised the exercise’s clear objectives, realistic scenarios, and effective platform. Based on the feedback, future exercises will be enhanced to make the learning experience even more engaging and insightful”, says **Matti Saarelma**, Specialist at Jamk.



Photo: Specialists illustrated the use of the situation room in a cyber exercise.

The exercise was monitored throughout its duration from the situation room, from where the exercise organizers could also give additional instructions to the participants if necessary.

"When exercise is built consistently, people start to make the right decisions independently. It was great to see how the participants found solutions with their own insights", says Specialist **Marko Angervuo** from Jamk.

The cyber exercises organised during the Resilmesh project are specifically targeted at specialists working in critical infrastructure sectors in SMEs, research institutes and universities. The aim is that through the exercises, as many of these groups as possible will be able to utilise the tools developed in the project already in their development phase.



Figure 2: Malicious flows detected by NDR using AI models.

"As part of the exercise, the participants were able to utilise the Resilmesh tools developed in the project. The development of these in the project will continue, and in the next exercise, the participants will have access to even more extensive tools for developing their skills", says **Tuomo Sipola**, Senior Researcher at Jamk, who coordinates the Resilmesh project on behalf of Jamk.

The Resilmesh Exercise 1 is the first of two opportunities for European specialists to increase their cyber security expertise. The project will also include a second cyber exercise, which will be held in the summer of 2026.

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