

CONCORDIA released an open-source Cyber Range Platform

Europe – The CONCORDIA H2020 project released the KYPO Cyber Range Platform (KYPO CRP) as an open-source. This activity aims to help solve the problem of many lacking cybersecurity experts by providing a platform for training, development, and execution.

“Not all universities and organizations can afford to develop or purchase their own cyber range. “The impact of the open-source cyber range can be significant for activities in cybersecurity education. So, we decided to release our platform,” says Jakub Čegan, manager of the KYPO CRP platform. Removing the high cost of most cyber-range solutions enables the development of hands-on cybersecurity training, which can help close the [skills gap](#) that is getting wider every year.

What Does it Mean for Organizations?

Every organization can now use a cyber range for teaching or training cybersecurity professionals for free. They can then focus on developing trainings and delivering them to their audience. KYPO CRP is open source under the MIT license, which means that organizations can customize the cyber range or extend it for their needs.

What Does It Mean for Europe?

European Cybersecurity Strategy for Shaping Europe’s digital future [states](#) that we need more cybersecurity experts. Cyber ranges are a suitable tool for education of future cybersecurity experts. Hands-on approach in cybersecurity education provides invaluable experience to learners and complements their theoretical background in cybersecurity topics.

KYPO Cyber Range Platform in a Nutshell

Masaryk University has been developing KYPO Cyber Range Platform since 2013. The platform builds on several years of experience using cyber ranges in education, training, and cyber defense exercises, including Czech technical cybersecurity exercises – the Cyber Czech, which were organized in cooperation with the Czech National Cyber and Information Security Agency (NCISA). The platform has been already used for teaching students in several courses at the Masaryk University and for training of cybersecurity professionals from the energy sector.

KYPO CRP is based on modern approaches such as containers, infrastructure as code (IaC), microservices, and open-source software, including its cloud provider technology – OpenStack. The platform is now available at [GitLab](#). You can find more information at <https://crp.kypo.muni.cz/> and in the documentation at <https://docs.crp.kypo.muni.cz/>.

Contact: Martin Horák, CONCORDIA communications, horak@ics.muni.cz.

About CONCORDIA H2020 project

CONCORDIA is dedicated consortium of 50 + partners from academia, industry and public bodies. One of the partners is Masaryk university. The main objective of the project is to lead the integration of Europe’s excellent cybersecurity competencies into the network of expertise to build the European secure, resilient and trusted ecosystem for Digital Sovereignty of Europe. More information: <https://www.concordia-h2020.eu/>