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SECANT

SECURITY AND PRIVACY PROTECTION IN IOT DEVICES

MISSION

New models of remote delivery, especially in complex ICT infrastructures such as healthcare, increase the potential impact of cybersecurity breaches to a level that has not been experienced before. SECANT aims to strengthen the understanding of risks, at both human and technical level through the delivery of a holistic framework for cyber security risk assessment for enhancing the digital security, privacy, and personal data protection in complex ICT infrastructures, such in the healthcare ecosystem.

OBJECTIVES

The SECANT platform will implement a collaborative threat intelligence collection, analysis and sharing, an innovative risk analysis specifically designed for interconnected nodes of an industrial ecosystem, a cutting-edge trust and accountability mechanisms for data protection and a security awareness training for more informed security choices.

1

To identify the user, technical and business requirements and design the architecture of a dynamic and highly flexible risk assessment platform for organizations.

2

To design and implement a dynamic, evidence-based, sophisticated security and privacy risk assessment framework.

3

To design and implement a collaborative toolkit that allows the organization stakeholders and European CERTs/CSIRTs.

4

To design and implement a tailored data protection and multi-level accountability framework.

5

To design and develop user interfacing applications and security training platforms with cyber range capabilities.

6

To demonstrate and validate the integrated SECANT Platform across four realistic pilot demonstrators.

7

To ensure wide communication and scientific dissemination of the SECANT results to the research, academic, and professional community.

USE CASES

Protecting the ambulance of the future

Cybersecurity for connected medical devices and mobile applications

Cybersecurity for connected medical devices and mobile applications

Cyber Security training

PROJECT INFO

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