



An Innovative view of eHealth Security

Press release | KONFIDO H2020 Action concludes its activities

EU (October 31, 2019). The Horizon 2020 KONFIDO Action comes to an end after 3 years of development since its launch in November 2017. KONFIDO consortium, which targeted to enhance the trust among cross-border and intra-regional actors when healthcare data is shared, will present its findings in the final meeting held in EC headquarters, Brussels, Belgium.

“In the rapidly changing world of technology, innovations come sparingly from an individual or even a single team. The same applies to the exchange of highly vulnerable e-health data, especially following the recent ransomattacks” said Sotiris Diamantopoulos (EXUS Software Ltd, London) KONFIDO project coordinator, *“Here, at KONFIDO Action, we are actively seeking to open the game, work and share our knowledge with other teams in the same domain”.*

KONFIDO tools had been rigorously tested during the two pilots that took place the last year proving that can enhance the security of exchanging information over OpenNCP framework, by depicting the value of KONFIDO components against several threats without altering the system’s behaviour or performance. The tests conducted showed that KONFIDO solution is capable of efficiently protecting eHealth data by intercepting threats such as privilege misuse, denial of service attacks, steal or alteration of medical data, as well as log files deletion or modification. Moreover, we demonstrated that we could offer high-value services like protection of data in use even against super privileged users and software, guard of data in motion using robust encryption keys, sensitive data processing directly in encrypted form, timely spotting of attacks and triggering the appropriate countermeasures, collecting of forensic evidence of events and transactions, and finally ability for citizens’ to be identified across Europe.

KONFIDO partners presented the outcomes of the project in three workshops conducted in Barcelona, Naples, and Cork in the context of cybersecurity and health-related conferences aiming to get feedback from health professionals, computer science and administrative staff of primary healthcare institutions about advantages and limitations of using KONFIDO in their daily practice. These events also constituted an excellent opportunity to disseminate our results and secure their future exploitation.

The 36-month KONFIDO KONFIDO is a Horizon 2020 Action that has developed innovative security solutions for interoperable eHealth services for safer storage, dissemination, processing and presentation of healthcare data legally and ethically focusing on cross-border exchange at national and EU level. To this end, we used state-of-the-art technologies in our toolset, such as Blockchain, optical Physical Unclonable Functions, Homomorphic encryption and Trusted Execution Environment, and Security Information and Event Management. The consortium consisted of 15 complementary partners from seven different European countries, including technology providers, universities, research institutes and end-users.

To find out more about KONFIDO, please visit the project Web site at: <http://konfido-project.eu/>

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