Press Release

EU H2020 Research and Innovation Project IoTAC marks the end of its first year with the completion of the Security Baseline

The consortium of industrial actors, research organisations and academia from seven European countries is developing a secure IoT architecture

31. August 2021 – The tight collaboration of 13 European partners is looking to deliver a novel, secure and privacy-friendly IoT architecture that will facilitate the development and operation of more resilient IoT service environments.
The technologies to be implemented, comprising front-end access control, and multiple runtime security features including AI based attack detection models, honeypots, checkpointing and monitoring system, all integrated into a secure gateway, will provision security countermeasures both at hardware- and software-level.

Key security requirements of the planned architecture are compiled in the IoTAC Security Baseline Document.

The document identifies the assets that need protection based on the high-level processes commonly found in IoT systems, as well as formulates and prioritizes threats to the identified assets. Threats are expressed as potential misuse cases, which must be prevented. These misuse cases are used to derive the necessary countermeasures, which are defined by the elaborated security requirements. The document prepared with the lead of security experts of the Budapest University of Technology and Economics is based on interviews with key stakeholders, the pilot operators of the project, industry best practices, as well as standards of NIST, ETSI and ISO.

The project is coordinated by Atos Hungary.

Project Key Facts
Full Name: IoTAC: Security by Design IOT Development and Certificate Framework with Frontend Access Control
Contract No.: H2020 - 952684
Start date: 01 September 2020
Duration: 36 months
EU Contribution: € 5 million
Coordinator: Atos Hungary Ltd

Project Partners

France
Airbus Defence & Space SAS

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Deutsche Telekom Security GmbH
FhG FOKUS
Technische Universität Berlin

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