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FORTIKA - Cyber Security Accelerator for trusted SMEs IT Ecosystems

THE PROJECT

The FORTIKA project aims to provide SMEs with an embedded, smart and robust hardware security layer enhanced with an adaptive security service management ecosystem (FORTIKA marketplace). The project will explore the capabilities of the secure-by-design FPGA SoC platform, as a CPU enhancement module. The long-term goal of the FORTIKA project is to provide a low-cost, dynamic, security layer for small and medium-sized businesses, individually tailored to meet each beneficiary's requirements.

CHALLENGES

- Exposure of small-sized businesses to cyber security risks and threats
- Inability to respond to cyber security incidents
- Costly efforts to identify, acquire, use and maintain appropriate cyber security solutions

AMBITION

- Hardware enabled middleware security layer as add-on to existing network gateways
- Resilient overall cyber security solution that can be easily tailored and adjusted to the versatile and dynamically changing needs of small businesses

KEY TECHNOLOGIES

- FPGA accelerator
- Bring Your Own Device(BYOD)/Bring Your Own Technology (BOYT) Access Control
- Attribute-Based Access Control (ABAC)
- Social Engineering Attacks Recognition System (SEARS)
- Risk analysis, modelling and level assessment
- Real-time Network Traffic Analysis
- Homomorphic Encryption
- Data Minimization

This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 740690.

Visit: http://fortika-project.eu

https://www.facebook.com/groups/1077584985707469
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EU s Review and Accepted Deliverables

After FORTIKA's second successful review meeting that took place in July 2019 in Brussels, we are happy to announce the official acceptance of submitted deliverables by the EU. This press release presents all **public** deliverables accepted, along with a short summary for each one

See more: https://www.fortika-project.eu/


Ref. Ares(2018)3933313 - 24/07/2018

EUROPEAN COMMISSION
RESEARCH EXECUTIVE AGENCY

Director

Brussels,

REVIEW REPORT

Grant Agreement (GA) number:	740690
Project[1] Acronym:	FORTIKA
Project title:	FORTIKA - Cyber Security Accelerator for trusted SMEs IT Ecosystems

Work Package 2 Deliverables

Ethical HelpDesk Reports v1 | **Report**

The aim of this deliverable is to produce a detailed description of the parameters of the proposed project. This deliverable presents the project's Helpdesk participants as well as their respective roles. Secondly it illustrates the geographic location where the project takes place. Then a summary of the main aspects of the project is provided and lastly, the report identifies the implementation arrangements.

See more: https://bit.ly/38woatO

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Work Package 3 Deliverables

Use Cases definition and requirements document v3 | **Report**

This deliverable provides detailed definition of FORTIKA use cases, scenarios and threats related to the consolidated use cases. Additionally, this document provides a high-level view on the use of FORTIKA Gateway Accelerator as a smart hardware security layer providing robust and cost-effective mitigation mechanisms to SME's within defined use cases and scenarios mitigating potential threat.

See more: https://bit.ly/30KMfdA

FORTIKA requirements and guidelines v2 | **Report**

This deliverable describes the requirements capturing methodology applied in FORTIKA. This second iteration of the system requirements includes, an improvement of the use cases section, a restructuration of the requirements section and a new section discussing the mapping between legal and technical requirements.

See more: https://bit.ly/2v5Y02m

Work Package 4 Deliverables

Report on FORTIKA Ecosystem Risk analysis,modeling and level assessment | **Report**

This deliverable describes the Risk Analysis performed over the FORTIKA ecosystem and presents a methodology for modelling and assessing.

See more: https://bit.ly/2NP5vBr

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Work Package 6 Deliverables

Interoperability Requirements including Compliance to International Standards v1 | **Report**

This document is the first deliverable regarding the interoperability requirements within FORTIKA. It presents an overview of the modules and services that constitute the FORTIKA solution

See more: https://bit.ly/30RbZ8g

Pilot plans including evaluation framework and training material for IT support personnel and IS managers v1 | **Report**

The aim of this deliverable is to provide detailed definition of the FORTIKA pilots. To this end, the document presents the overall pilot implementation methodology along with the timeline of activities prescribed by this methodology.

See more: https://bit.ly/2NOVcx0

Interoperability Requirements including Compliance to International Standards v2 | **Report**

This deliverable presents an overview of the modules and services that constitute the FORTIKA solution. This second iteration of the interoperability requirements have some small modifications from the first iteration and implementation details necessary for modules and services to work flawlessly

See more: https://bit.ly/38woSqY

Work Package 7 Deliverables

Cost benefit & Cost effectiveness analysis of FORTIKA prototype v1 | **Report**

This deliverable is a report, presents a market and financial analysis to a cybersecurity product developed by FORTIKA consortium, as well as a pack of services and bundles associated with the main product (FPGA).

See more: https://bit.ly/2Rhn0wj

Report on Dissemination Activities, Public Participation and Awareness v2 | **Report**

This deliverable is a report on Dissemination Activities, Public Participation and Awareness and its main task is to provide a clear view of the dissemination efforts during the second Year of the project. The dissemination activities of FORTIKA are targeting in three main areas Public, Scientific and Industry. This document is the second report iteration

See more: https://bit.ly/36g0CI6

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Work Package 7 Deliverables

A set of standards stemming from the application of cybersecurity technologies on SMEs v2 | **Report**

The goal of this report is to provide SMEs with a practical, concise, and up-to-date overview of the most important standards for cybersecurity, both at the European and the global level, together with the most important EU regulations and directives. This second version focuses on the particular set of standards stemming from the application of CS technologies on SMEs.

See more: https://bit.ly/3ayEZpw

See more at https://fortika-project.eu

For more detailed information about the deliverables, please contact project's dissemination manager at fortika@pasiphae.eu

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