



Clustering Webinar on Security, Privacy and Data Protection

PUZZLE - Towards a Sophisticated SIEM Marketplace for Blockchain based Threat Intelligence and Security-as-a-Service

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About The Project



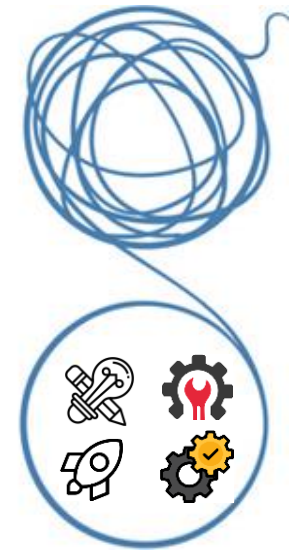
- **Project title:** Towards a Sophisticated SIEM Marketplace for Blockchain-based Threat Intelligence and Security-as-a-Service.
- **Topic:** SU-DS03-2019-2020 / Digital Security and privacy for citizens and Small and Medium Enterprises and Micro Enterprises.
- **Start:** 01/09/2020. **End:** 31/08/2023.

EU-funded project, a part of the Horizon 2020 programme, set to design and implement state-of-the-art cybersecurity, privacy and data protection management framework.

Marketplace: PUZZLE is going to provide monitoring and visualisation tools, as well as a dashboard where information regarding sets of assets, vulnerabilities, identified threats and risks is going to be made available to end-users.

PUZZLE Overview

- 1 Development of an **“easy-to-onboard”** and **“easy-to-deploy”** cybersecurity **services marketplace** for enterprises.
- 2 Conceptualization and development of **cyber threats data modelling and risk assessment models**.
- 3 Personalized cybersecurity functions per business.
- 4 Enhanced operational assurance and detection capabilities.
- 5 Automated orchestration of advanced security deployments.
- 6 Configurable incentives for new and existing enterprises to join the PUZZLE Marketplace.
- 7 Tools and mechanisms for continuous cyberwarfare training and cybertechnology development.



The Vision



PUZZLE's novel approach of providing cybersecurity services through a marketplace ("As-a-Service"), **easy to adopt and deploy** within SMEs&MEs network and computational infrastructure, leads to a bigger picture of improved security awareness of SMEs & MEs in the areas of **security, privacy, threats management, and personal data protection.**

Selected as one of the **most innovative new approaches in cybersecurity by the European Commission**, PUZZLE aims to strengthen cyber-safety also considering post-threat mitigation revolving around optimal security policy recommendation, thus, filling an important security gap for many SMEs, citizens and IT infrastructures on post-threat mitigation.

Who we are?



2 Universities



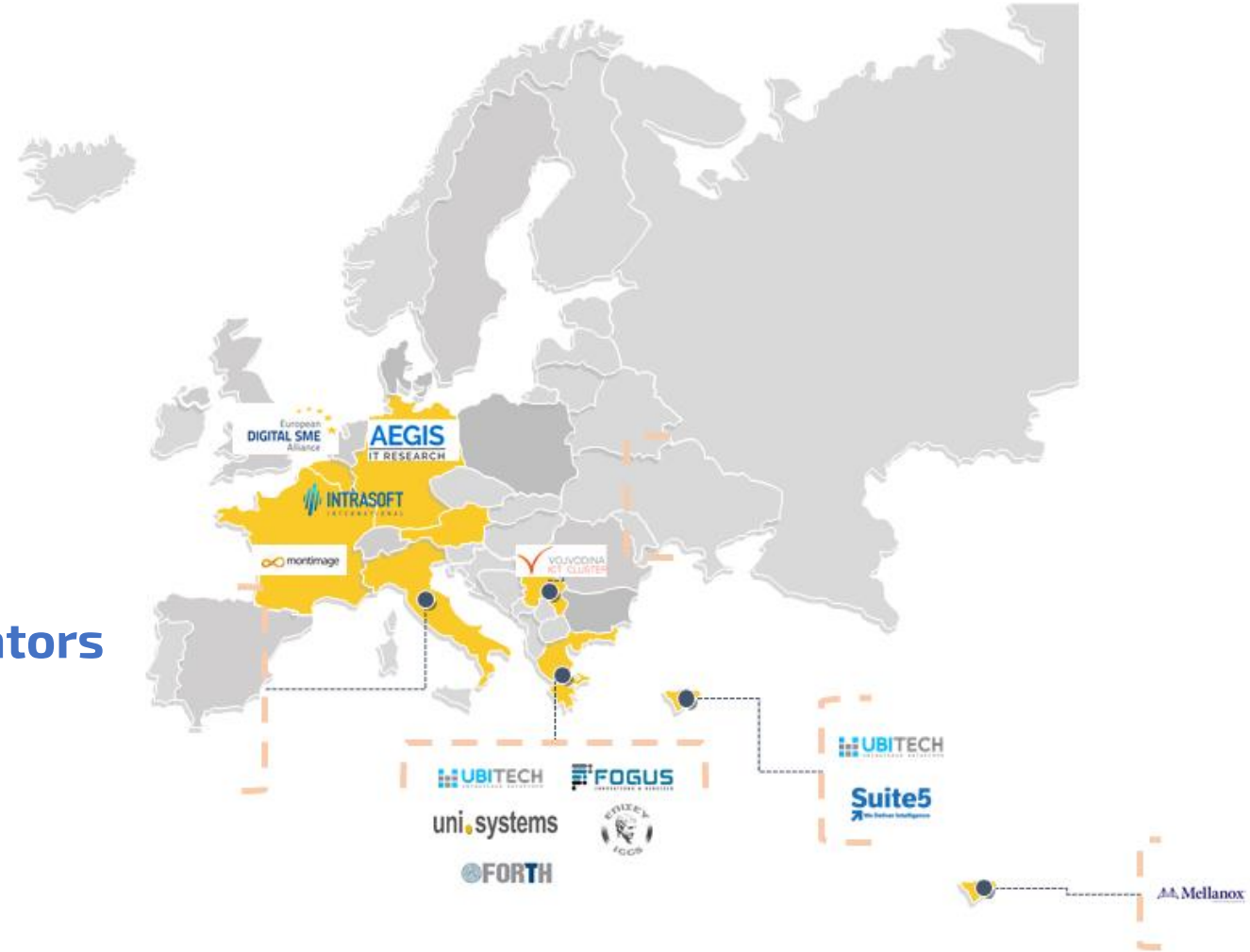
3 Industries



4 RTD SMEs & 2 SMEs as Demonstrators



2 Trade Association Clusters

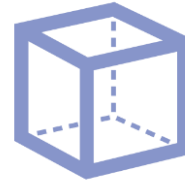


Safer tools. Better performance.



Cybersecurity

Cybersecurity is a complex and fast-evolving field, security professionals and experts working for SMEs & MEs need constant learning.



Innovation

Through state-of-the-art technologies including AI, trusted computing and Blockchain, SMEs & MEs will enhance their security and efficiently process information flows and online collaboration knowledge sharing.



Challenges

Malicious online activity can cost enterprises everything. Protecting organisations is the paramount for the PUZZLE project.

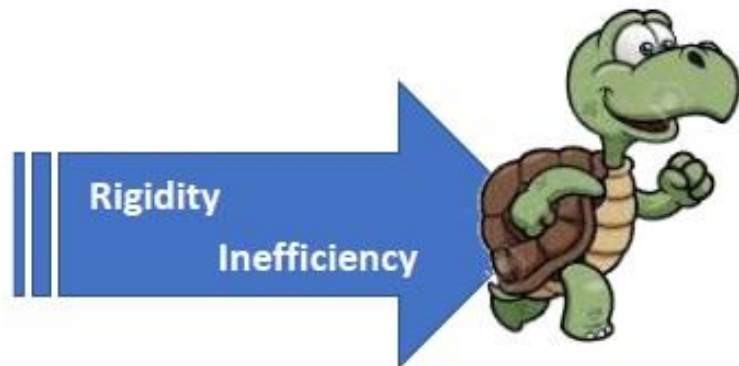
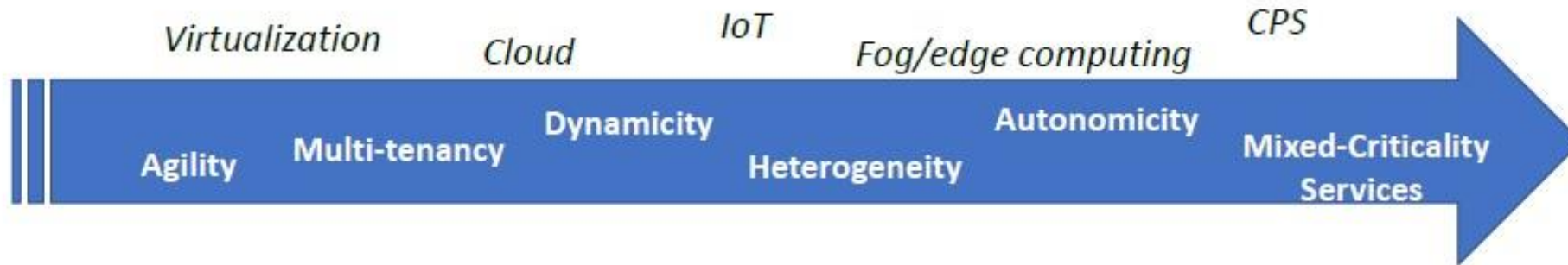
Innovative. Reliable. Empowering. Trustworthy.

The Mission



FOR WHO?	HOW?	WHY?
<p>PUZZLE will enable a new mode of security and verification for mixed-criticality services running at various levels in the overall SME&ME business ecosystem stack.</p>	<p>Monitoring Agents collect infrastructural (cloud & app servers) and peripheral (edge) information; Risk Assessment provides insights on possible threats to be protected against; Security Recommender & Deployer Manager selects a set of cybersecurity services from the PUZZLE Marketplace; Analysis results are exposed via the Dashboard for advanced awareness; Threat Intelligence Information sharing between SMEs&MEs towards creating a common pool of potential APTs through the use of Blockchain.</p>	<p>Turn the business ecosystem into a real-time, verified ecosystem, governed by security enablers to safeguard correct state of all assets during the entire lifecycle of operation. Safeguard also attestation/verification & threat intelligence data sharing.</p>

Motivation and Challenges



*[...] give all European SMEs&MEs access to comprehensive security operations solutions that are appropriate to their circumstances, are affordable, and are evolvable to **keep pace with escalating threats and innovations in technology and practice.***

ECSSO SRIA (June 2019)

Main Goals

The PUZZLE framework envisions to offer the following value propositions:

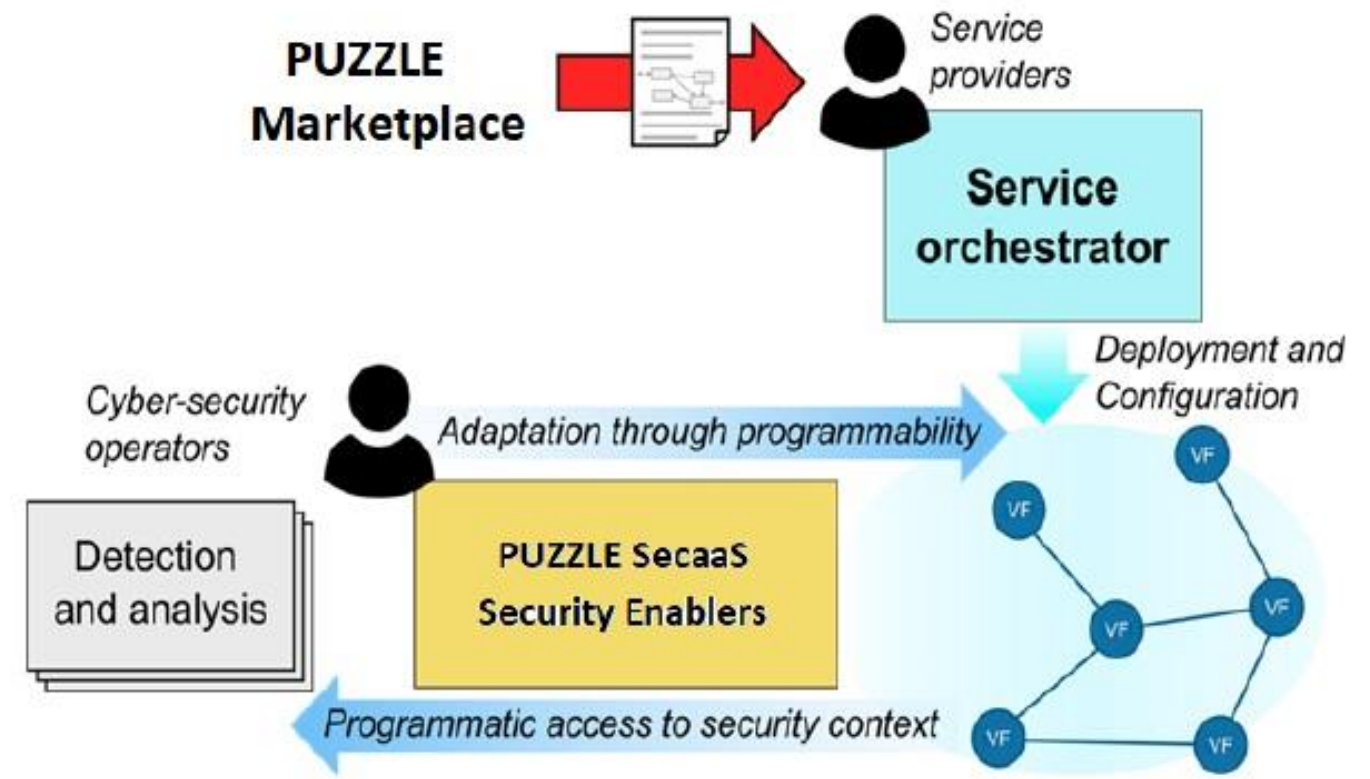
- Develop a cybersecurity, privacy & data protection **management framework**
- **Facilitate the collection, processing & exchange** of data & knowledge sharing among SMEs respecting cyber threats & vulnerabilities
- **Provide** a set of network & edge cybersecurity functional primitives as a service
- **Suggest optimal** mitigation strategies and policies & support their enforcement
- **Increase cybersecurity** situation awareness & preparedness of SMEs&MEs, through an innovative set of monitoring tools

Concept

“A flexible platform that runs a number of complementary security services (for detection and analysis) and feeds them with the appropriate context from a dynamic and evolving system”



Orchestrate security processes



OPEN CALL LAUNCHED



APPLY NOW

VALIDATION CONTRACTS OF €10 000 FOR 10 HIGHLY
RANKED SMEs & MEs AND 5 HIGHLY RANKED
CYBERSECURITY VENDORS

IF YOU ARE IT-BASED OR NON-IT-BASED SMEs & MEs START-UP IN THE AREAS OF



HEALTHCARE



FINTECH



MANUFACTURING



AGRI-FOOD



RETAIL



CONSTRUCTION



EDUCATION



LOGISTICS



E-GOVERNMENT

PRESENT YOUR IDEAS, POTENTIAL AND CREATIVITY ON HOW THE **PUZZLE** MARKETPLACE COULD COMPLEMENT THE DEVELOPMENT ACTIVITIES OF A PRODUCT/SERVICE YOU ARE ALREADY PROVIDING TO CUSTOMERS!



Validation Contract: €10.000!

PUZZLE will support SME-onboarding and ensure that the final solution benefits SME users, for instance by contributing to **Validation Contracts**.

“ Teams who manage to meet criteria framed around a problem will be granted with a Validation Contract of €10.000 but not before the end of the successful implementation of each case thanks to which PUZZLE will collect feedback.

PUZZLE aims to employ highly usable cybersecurity, privacy and data protection management framework in two directions: **SMEs&MEs and Cybersecurity providers**.

EXPRESSION OF INTEREST



What is the PUZZLE Validation Contest?

The PUZZLE Validation Contest is a funded Open Call that will **award selected applicants** with a grant of 10.000€ in order to connect their systems and services to the PUZZLE framework, in order to **verify its application, functioning and design**.

The validation contest will assist in starting the services uptake and testing of the PUZZLE Marketplace by gathering feedback from interested parties.



PUZZLE is looking for:

- **10 European SMEs (adopters)** to connect their systems to the PUZZLE marketplace and test the ability of the PUZZLE framework to meet their cybersecurity and data protection needs.
- **5 cybersecurity vendors** to connect their services to the PUZZLE marketplace to validate the ability of the adopters to browse and select cybersecurity and data protection services that suit their needs; and test the ability of the PUZZLE framework to deploy these services.

How to know if you can enter the contest?

PUZZLE consortium designed an online platform: www.puzzle.digitalsme.eu

For applications submission that will be kept open for 4 months **until May 31st 2022!**

“ **Small and Medium-sized Enterprises and Micro Enterprises (SMEs&MEs) who deal with cybersecurity, privacy and personal data protection, can submit proposals at the PUZZLE Validation Contracts contest!**

As for the criteria contestants will have to meet to find themselves in the shortlisted selection, they are:

- Innovation character and originality of the idea,
- Challenges and relevance of the problem dealt,
- Knowledge of technical/related matters,
- Feasibility and construction of demonstrator,
- Quality of presentation.

Validation Contracts Timeline

Before applying, read the [PUZZLE Guidelines for Applicants](#).

Application on European Digital SME Alliance platform <https://puzzle.digitalsme.eu/>

Evaluation from 01/06/2022 to 30/06/2022.

Communication of results to applicants from 01/07/2022 to 31/07/2022.

Negotiation and sub-grantees signature of contracts from 01/08/2022 to 31/08/2022.

Execution of Validation Contract activities from 01/09/2022 to 30/06/2023 (ten months).





Safer tools. Better performance.

APPLY until May 31st 2022!

 <https://puzzle-h2020.com/>

 Newsletter? Get started! info@puzzle-h2020.com

 Follow us on Socila Media @H2020Puzzle