



PUZZLE

SAFER TOOLS. BETTER PERFORMANCE.

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

Vision



PUZZLE aims to enhance the **security & operational** assurance of even the smallest enterprises which constitute the backbone of today's digital economy. By offering a collection of novel security services through a marketplace, which is easy to adopt & deploy within SMEs business ecosystem, PUZZLE enables the **provision & orchestration of network security management and edge trust assurance services** capable of protecting against a wide range of attack vectors.

Challenges



SMEs & MEs suffer from:

- ✓ limited capabilities that can be allocated towards the instantiation of cybersecurity best practices;
- ✓ no systematic approach for ensuring cybersecurity & resilience;
- ✓ cyber attacks from which they can not recover end-to-end digital services with high exposure front & strict security & privacy concerns;
- ✓ end-to-end digital services with high exposure front & strict security & privacy concerns
- ✓ limited hands-on experience & resources to tackle cybersecurity threats

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 situational awareness & preparedness of SMEs & MEs, through an innovative set of monitoring tools

Approach



The key technologies applied in PUZZLE to enhance the security & privacy posture of SMEs are:

- ✓ Marketplace for cybersecurity solutions & services
- ✓ Programmable Network Security Mechanisms
- ✓ Advanced Cybersecurity Analytics
- ✓ Dynamic Real-time Risk Assessment
- ✓ Edge Trust Assurance Services based on the use of trusted computing technologies
- ✓ Blockchains for enhanced threat intelligence knowledge sharing
- ✓ Deployment of Optimal & Adaptable Security Policies



Use cases



Solve security & privacy preservation issues on a cloud-based network media infrastructure & management platform for multimedia services



Guarantee the safekeeping of cloud-based activity tracking Infrastructure & personal data monitoring services



Validation contest

Open testing & evaluation of PUZZLE innovations by SMEs through validation contracts

Partners

Contact information



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



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SCAN ME



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