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

Fact Sheet

Project Information

PUZZLE
Grant agreement ID: 883540

Funded under
Secure societies - Protecting freedom and security of Europe and its citizens

Start date
1 September 2020
End date
31 August 2023
Total cost
€ 5 269 816,08
EU contribution
€ 3 999 933,75

Coordinated by
UBITECH LIMITED
Cyprus

Project description

Cyber protection for small and microenterprises

For small and medium-sized enterprises (SMEs) and microenterprises, going digital is important for business growth. But it also presents the risk of cybersecurity attacks. The EU-funded PUZZLE project is developing cybersecurity tools to enable even the smallest enterprises to monitor, forecast, assess and manage their cyber risks. Specifically, the project will track the relationships amongst the cyber assets of each small and microenterprise. It will also consider the available network and compute and storage infrastructures and use them to efficiently calculate individual, cumulative and propagated risks, as well as recommend and apply mitigation
actions. The project’s goal is to design solutions that can be easily on-boarded by external cybersecurity providers and seamlessly adopted by end users.

**Objective**

PUZZLE will implement a highly usable cybersecurity, privacy and data protection management marketplace targeted at SMEs&MEs that enables them to monitor, forecast, assess and manage their cyber risks through targeted cybersecurity services, increase their cybersecurity awareness through the efficient heterogeneous information processing, the establishment of knowledge sharing with other SMEs&MEs and extract insights based on advanced analytics. The PUZZLE will track the relationships among the cyber assets of each SME&ME, considering the available network, compute and storage infrastructure and use them to efficiently calculate individual, cumulative and propagated risks, as well as recommend and apply mitigation actions. The PUZZLE will support vulnerabilities and threats assessment in a collaborative manner based on the homogenization of data provided by the SMEs&MEs. Data will be collected by resource handling and monitoring agents applied over Cloud/Edge Computing, IoT and network infrastructure. Such data will be enriched with data provided in relevant open repositories. SMEs&MEs data sharing will take place through blockchain-based technologies for secure data management. Based on the calculated risks and the provided graph topology, the application of resilient defensive strategies will be recommended, considering the type of infrastructure used by the SME&ME. Automated defensive strategies deployment mechanisms are also going to be made available, reducing a lot the complexity and the burden for the deployment of the provided services by cybersecurity managers in SMEs&MEs. Special emphasis will be given on the usability and the rise of competitiveness of the PUZZLE Marketplace, by designing solutions that can be easily on-boarded by external cybersecurity providers and can be seamlessly adopted by the end-users taking into account their preferences. The provided services will be made accessible through the SMEs&MEs Dashboard that will be developed.

**Fields of science**

- natural sciences
- computer and information sciences
- computer security
- data protection
- natural sciences
- computer and information sciences
- data science
- data processing

**Programme(s)**

H2020-EU.3.7. - Secure societies - Protecting freedom and security of Europe and its citizens

MAIN PROGRAMME
H2020-EU.3.7.6. - Ensure privacy and freedom, including in the Internet and enhance the societal, legal and ethical understanding of all areas of security, risk and management
H2020-EU.3.7.4. - Improve cyber security

**Topic(s)**


**Call for proposal**


See other projects for this call

**Sub call**

H2020-SU-DS-2019

**Funding Scheme**

IA - Innovation action

**Coordinator**

UBITECH LIMITED

Net EU contribution

€ 337 312,50

Address

26 Nikou & Despinas Pattchi
3071 Limassol
Cyprus

Contact the organisation

Activity type

Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Non-EU contribution

€ 144 562,50

Region

Κύπρος > Κύπρος > Κύπρος

**Participants (13)**
MELLANOX TECHNOLOGIES LTD - MLNX

Israel

Net EU contribution

€ 442 995,00

Address

Yokneam Ilit Industrial Zone - Hermon Building
20692 Yokneam

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Non-EU contribution

€ 189 855,00

Contact the organisation

Website

Participation in EU R&I programmes

INTRASOFT INTERNATIONAL SA

Luxembourg

Net EU contribution

€ 355 250,00

Address

Rue Nicolas Bove 2B
1253 Luxembourg

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Non-EU contribution

€ 152 250,00

Contact the organisation

Website

Participation in EU R&I programmes

MONTIMAGE EURL

France

Net EU contribution

€ 353 762,50

SME

Yes

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Non-EU contribution

€ 151 612,50

Address

Rue Bobillot 39
AEGIS IT RESEARCH GMBH
Germany
Net EU contribution
€ 267 050,00
SME  Yes
Activity type  Private for-profit entities (excluding Higher or Secondary Education Establishments)
Non-EU contribution  € 114 450,00
Address  Humboldtstr. 25
138106 Braunschweig
Region  Niedersachsen
Braunschweig
Braunschweig, Kreisfreie Stadt

UNI SYSTEMS SYSTIMATA PLIROFORIKIS MONOPROSOPI ANONYMI
EMPORIKI ETAIRIA
Greece
Net EU contribution
€ 271 250,00
Activity type  Private for-profit entities (excluding Higher or Secondary Education Establishments)
Non-EU contribution  € 116 250,00
Address  Al Pantou Street 19-23
176 71 Athina

FOGUS INNOVATIONS & SERVICES P.C.
Greece
Net EU contribution
€ 312 375,00
SME  Yes
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Non-EU contribution
€ 133 875,00
Address
Michali Karaoli 51-53
161 21 Kaisairiani
Contact the organisation

SUITE5 DATA INTELLIGENCE SOLUTIONS LIMITED
Cyprus
Net EU contribution
€ 273 000,00
SME  Yes
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Non-EU contribution
€ 117 000,00
Address
Alexandreias 2, Bridge Tower, Flat/office 101
3013 Limassol
Contact the organisation
Region
Κύπρος > Κύπρος > Κύπρος

DANMARKS TEKNISKE UNIVERSITET
Denmark
Net EU contribution
€ 0,00
Activity type
Higher or Secondary Education Establishments
Non-EU contribution
€ 0,00
Address
Anker Engelundsvej 1
Bygning 101 A
2800 Kgs Lyngby
Contact the organisation
Region
Danmark > Hovedstaden > Københavns omegn
Website
Participation in EU R&I programmes
<table>
<thead>
<tr>
<th>Organisation</th>
<th>Country</th>
<th>Net EU contribution</th>
<th>Address</th>
<th>Activity type</th>
<th>Non-EU contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS</td>
<td>Greece</td>
<td>€ 277 500,00</td>
<td>Patission Str. 42 10682 Athina</td>
<td>Research Organisations</td>
<td>€ 0,00</td>
</tr>
<tr>
<td>IDRYMA TECHNOLOGIAS KAI EREVNAS</td>
<td>Greece</td>
<td>€ 245 000,00</td>
<td>N Plastira Str 100 70013 Irakleio</td>
<td>Research Organisations</td>
<td>€ 0,00</td>
</tr>
<tr>
<td>EUROPEAN DIGITAL SME ALLIANCE</td>
<td>Belgium</td>
<td>€ 216 250,00</td>
<td>Rue Du Commerce 123 1000 Bruxelles</td>
<td>Other</td>
<td>€ 0,00</td>
</tr>
<tr>
<td>Organisation</td>
<td>Country</td>
<td>Net EU contribution</td>
<td>SME</td>
<td>Address</td>
<td>Activity type</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>---------</td>
<td>---------------------</td>
<td>-----</td>
<td>--------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>POSLOVNO UDRUZENJE VOJvodjANSKI IKT KLASTER</td>
<td>Serbia</td>
<td>€ 298 125,00</td>
<td>Yes</td>
<td>Trg Dositeja Obradovica 6</td>
<td>Other</td>
</tr>
<tr>
<td>GIOUMPITEK MELETI SCHEDIASMOS YLOPOISSI KAI POLISI ERGON PLIROFORIKIS ETAIREIA PERIORISMENIS EFTHYNIS</td>
<td>Greece</td>
<td>€ 350 063,75</td>
<td>Yes</td>
<td>Mithridatou 36-38</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
</tr>
</tbody>
</table>