An adaptive digital twin for agile services over the computing continuum

MIRADA

A framework for collaborative cyber-security operations over service supply chains

Form hypotheses, perform analyses and predict what may happen in complex, heterogeneous, and interconnected systems

2 commercial platform integrations

Logstail Security Suite
Sphynx SPA
+ Open-source Community Edition

Actionable Cyber Threat Intelligence

MISP, NVD/CVE, OpenCTI, OWASP
OSINT collection
Structured, traceable intelligence stories



Adaptivity

Context Discovery
Data Handling Pipeline
AI-enabled playbooks
Policy refinement

Detection & Investigation

Real-time anomaly detection
AI-assisted classification
IoC/CTI enrichment
Threat Hunting



Trusted operations

Remote attestation
Trust Assessment

Digital Twin

Traffic prediction
Sandboxing
Attack paths

Open interfaces

OASIS OpenC2
CycloneDX xBOM
OAuth2
STIX 2.1

3 Use Cases

Smart City services in Wolfsburg, Genoa, Athens

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MIRANDA

Consortium

Consiglio Nazionale delle Ricerche
SPACE security
ONESOURCE
Stelar tech law research
Logstail
Politecnico di Torino
NASK
AIT AUSTRIAN INSTITUTE OF TECHNOLOGY
Sphynx
Plaixus
UBITECH ubiquitous solutions
WOBCOM
MINDICITY
GRUPPO TIM
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Contacts

Project coordinator:
Matteo Repetto (CNR/IMATI)

Technical coordinator:
Georgios Koutsimpiris (Space Hellas)

info@mirandaproject.eu

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