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AIAGENT 4Cyber

Multi-Agent AI delivering real-time, proactive cyber defence for Europe's critical digital infrastructure.

AIAGENT4CYBER is an EU-funded (Grant no: 101249698) project developing a coordinated multi-agent AI framework that strengthens cybersecurity through intelligent detection, adaptive defence, and privacy-compliant automation.



Mission

To enhance Europe's cyber resilience through trustworthy AI technologies that anticipate threats, accelerate response, and protect critical digital systems.



Vision

A secure and resilient digital Europe powered by intelligent, coordinated AI-driven cybersecurity.

Project Outcomes and Impact

AIAGENT4CYBER delivers validated, scalable AI-based capabilities that improve real-time threat detection, strengthen response coordination, and enhance protection against emerging cyberattacks.

The project reinforces Europe's cybersecurity posture by enabling proactive defence, increasing operational resilience and supporting secure, trustworthy digital transformation.

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ECCC

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Partners from 7
countries

Granting authority
European Cybersecurity
Industrial, Technology and
Research Competence Centre

Duration in months

Use Cases

UC1 Autonomous Security Testing

AI agents continuously assess system resilience and identify potential vulnerabilities before they can be exploited.

Result: Adaptive testing strengthens prevention and reduces exposure to risk.

UC3 Automated Incident Response

Intelligent agents support rapid detection and coordinated response to security incidents.

Result: Automation reduces reaction time and limits operational disruption.

UC5 Predictive Security & Anomaly Detection

Advanced AI models identify unusual patterns and emerging risks in complex environments.

Result: Predictive insights enhance resilience against evolving cyber threats.

UC2 Real-Time Malware Detection

Coordinated AI agents detect and analyse malicious activity as it happens.

Result: Enhanced visibility enables faster and more informed threat response.

UC4 Proactive Vulnerability Management

Continuous AI-driven monitoring helps identify and prioritise security weaknesses across infrastructures.

Result: Early risk assessment strengthens preventive defence strategies.



Co-funded by
the European Union



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Acknowledgement: The project is funded by the European Union's Digital Europe Programme (DIGITAL) under grant agreement No. 101249698, with the European Cybersecurity Industrial, Technology and Research Competence Centre (ECCC) as the granting authority.

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