Evidence Management for Continuous Certification as a Service in the Cloud

EMERALD

11 partners

6 countries

3 years

4,7M€ EU funding

A new framework for Continuous Certification as a Service

Designed for fostering an agile certification process

1ST YEAR RESULTS

EXTRACT
Prototyped tools that extract evidence for certification from different layers of the Cloud Services (resource, code, policy documents, supply chain)

CERTGRAPH
Achieved a first unified graph model to structure and represent extracted evidence

OPTIMA
Drafted the concept of assigning metrics to certification controls via NLP techniques

MULTICERT
Implemented a solution to manage security assessments of different schemas and status evaluation

AIPOC
Established an initial proof of concept for security assessment of complex AI-based cloud systems

UI/UX
Created seven personas from the certification value chain and a UI/UX concept with the prototype of the EMERALD UI

INTEROP
Defined a tool for the storage and management of all the project data and a tool based on blockchain for the secure storage of evidence and assessment results

PILOTS
Set-up four real-world Cloud based pilots covering IaaS, PaaS and SaaS models, and initiated plan to generate iterative feedback

DECAS
Developed dissemination and communication strategy, analysed markets and formed a European Cluster for Cybersecurity Certification