

## Key Data

### Project Title:

EU-SEC: The European Security Certification Framework

### Project duration:

1 January 2017 to 31 December 2019

### Partners:

The consortium consists of research & industrial partners with expertise in cloud, auditing & certification.

Caixa Bank, Spain

CSA, UK

FabasoftCloud, Austria

Fraunhofer, Germany

Ministry of Finance, Slovakia

Ministry of Public Administration, Slovenia

NIXU, Finland

PwC, Germany

SixSq, Switzerland

## Get in touch



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@EU\_SEC



EU-SEC: EU Security Certification

## What are the benefits?

- Reduces cost of compliance
- Improves user trust
- Increases transparency & reduces complexity
- Increases awareness of security requirements
- Raises confidence in security certification
- Complements traditional auditing & certification methods

## Who is it for?

- Cloud Service Providers
- Cloud Users
- Consultants & Auditors
- Regulators



This project has received funding from the European Union's HORIZON Framework Programme for research, technological development and demonstration under grant agreement no 731845.



**EUSEC**  
EU SECURITY CERTIFICATION

## The Project

The European Security Certification Framework (EU-SEC) strives to address the security, privacy and transparency challenges associated with the greater adoption of **Cloud services**.

The EU-SEC Consortium is developing a framework that innovates the existing compliance and assurance landscape by creating and testing:

1. a **multi-party recognition approach** between existing cloud security certification and attestation schemes
2. a **continuous auditing** based certification scheme.

The framework will provide ICT-stakeholders with a validated governance structure, a tailored architecture, and the corresponding set of tools to improve the **efficiency** and **effectiveness** of their current approach to security governance, risk management, assurance and compliance in the Cloud.

## Putting it to the test

In order to validate the results, as well as to assess the technology-readiness level of the solution, two large-scale **pilots** for the components of the EU-SEC Framework are underway. These pilots are being carried out by EU-SEC Consortium Partners.

## Multi-Party Recognition Framework (MPRF) Pilot

**Motivation:** Compliance with security standards is a must, but the confusing abundance of certification schemes in the cloud domain results in lack of transparency for cloud service providers, cloud users and regulators. In addition, the cost of compliance is huge. EU-SEC proposes a framework, approved by regulators, which will map & validate existing schemes.

**Goals:** Validate the MPRF approach by testing some of its essential components. Comprehensive analysis of the validity and efficiency of this process, both for **auditees** and **auditors**.



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The mutual recognition approach is tested in this pilot from both **ISO** and **ISEA** auditing perspectives. Four separate audit simulations are being conducted with EU-SEC partners. These involve a cloud service provider (Fabasoft), a cloud broker (SixSq), two public bodies (the Slovenian and Slovak Ministries), an ISAE auditing firm (PwC) and an ISO27001 Certification Body (NIXU).

The mutual recognition embraces the requirements from BSI C5, CSA CCM, ISO27001, ISO27017, ISO27018, and SOC2 to enable the reusability of requirements between different certifications.

The pilot is testing some of the essential components of the EU-SEC Framework:

- the framework lifecycle
- its principles and criteria
- the Repository of Requirements and Controls; the set of security requirements coming from different standards, laws and regulations which are mapped, analyzed and normalized based on the CSA Cloud Controls Matrix (CCM)

### Active in the cloud certification field?

Get in touch to find out how EU-SEC activities can benefit your organization.

