

# Transparent Application Deployment in a Secure, Accelerated and Cognitive Cloud Continuum

29 December 2023

**PRESS RELEASE: SERRANO reached its end with the release of the SERRANO platform and validation in three real-world use cases**

## Vision

SERRANO targets the efficient and transparent integration of heterogeneous resources, providing an infrastructure that goes beyond the scope of the “normal” cloud and realizes a true computing continuum. SERRANO developed a novel ecosystem of cloud-based hardware and software technologies. The SERRANO technological advancements enable application-specific service instantiation and optimal customizations, thus supporting highly demanding, dynamic, and security-critical applications.

## Evaluation

SERRANO is an EU-funded project under the H2020 programme. Led by ICCS, the consortium consists of eleven European partners from nine different countries (*Cyprus, Denmark, Germany, Greece, Israel, Luxembourg, Romania, Spain, United Kingdom*), including reach centers and universities (*AUTH, ICCS, USTUTT, UVT*), large companies (*IDEKO, INTRA, MLNX*), and SMEs (*CC, INB, INNOV, NBFC*).

After 36 months, the SERRANO project concluded with the successful release of the final version of its full platform that integrates a modal stack of cutting-edge technologies, services, and solutions able to assist the development of new cloud-based services and infrastructures in Europe and foster an industrial capability in the cloud computing sector. The developments cover the entire continuum for a plethora of stakeholders, from application developers to edge-cloud-HPC providers.

SERRANO has been validated into three safety-critical and high-performance demanding digital services through three use cases across different domains with heterogeneous needs:

- *Secure Storage*, focusing on providing secure and high-performance storage and sharing of various data types across the edge-cloud continuum.
- *High-performance Fintech Analysis*, focusing on enabling the secure launching of large number of fintech processing performing real-time operations.
- *Machine Anomaly Detection in Manufacturing Environments*, targeting the advanced real-time anomaly detection of manufacturing machines.



This project has received funding from the European Union’s Horizon 2020 Research and Innovation programme under grant agreement No 101017168.

More information on the SERRANO project can be found at: <https://ict-serrano.eu>

**Useful links:**

- Public Deliverables: <https://ict-serrano.eu/deliverables/>
- Publications: <https://ict-serrano.eu/publications/>
- Promotional and Demonstration Videos:
  - <https://ict-serrano.eu/video-presentation/>
  - <https://www.youtube.com/channel/UC76DXLVZQauLxyHpGW9qluw>



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