Semantic Low-code Programming Tools for Edge Intelligence

Resultados

Información del proyecto

SMARTEDGE

Identificador del acuerdo de subvención:
101092908

DOI
10.3030/101092908

Fecha de la firma de la CE
23 Noviembre 2022

Fecha de inicio
1 Enero 2023

Fecha de finalización
31 Diciembre 2025

Financiado con arreglo a
Digital, Industry and Space

Coste total
€ 7 353 640,00

Aportación de la UE
€ 7 353 640,00

Coordinado por
CONSORZIO NAZIONALE INTERUNIVERSITARIO PER LE TELECOMUNICAZIONI

Italia

Resultado final

Documents, reports (5)

Design of tools for continuous semantic integration

Design of tools for continuous semantic integration [SAG, M11, Type: R, PU]. This deliverable will detail the first design of the SMARTEDGE components for continuous semantic integration.

Final definition of requirements, architecture, and demo plans
Final definition of requirements, architecture, and demo execution plan [IMC, M12, Type: R, PU]. This deliverable will include the revised and final version of (i) SMARTEDGE technical requirements and system functional specifications; (ii) SMARTEDGE architecture; and (iii) the final demo execution plan.

**Design of low-code programming tools for edge intelligence**

Design of Low-code Programming Tools for Edge Intelligence [TUB, M13, Type: R, PU]. This deliverable will detail the final design of WP5 solutions including semantic-driven multimodal stream fusion, swarm elasticity, adaptive coordination, and crosslayer toolchain for device-edge-cloud continuum.

**Year 1 comm., dissemination, and standardisation plan**

Year 1 communication, dissemination, and standardisation plan [W3C, M12, Type: R, PU]. Plan and report of the activities carried-out during Year 1. This includes creation of the project website; developing strategy plans for initial dissemination, expl., and comm., identification of which SDOs to target.

**Design of dynamic and secure swarm networking**

Design of dynamic and secure swarm networking [UOXF, M12, Type: R, PU]. This deliverable will detail the final design of the WP4 solutions including discovery, swarm formation, security, and in-network operations.

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### Publicaciones

**Conference proceedings (2)**

**Building a P2P RDF Store for Edge Devices**

**Autores:** Guo, Xuanchi; Le-Tuan, Anh; Le-Phuoc, Danh

**Publicado en:** 2023

**Editor:** TBU

**DOI:** 10.48550/arxiv.2309.09364

**Semantic Programming for Device-Edge-Cloud Continuum**

**Autores:** Le-Tuan, Anh; Bowden, David; Le-Phuoc, Danh

**Publicado en:** Crossref, 2023, ISSN 2643-3303

**Editor:** IEEE

**DOI:** 10.48550/arxiv.2308.10555