

[Press Release] Introducing Microservice Store - A New Era for Embedded Systems Begins

Embedded World North America, Anaheim, US, November 4th, 2025. Microservice Store project is launched, the world's first secure marketplace designed exclusively for embedded and IoT software. The platform introduces a new economy for developers and product vendors, transforming how secure, connected devices are built, distributed, and maintained.

Reinventing Embedded Software for a Connected World

For decades, embedded software development has remained trapped in a monolithic and fragmented model, causing long development cycles, high costs, limited reuse, and minimal economic return for developers.

The **Microservice Store** redefines this landscape by introducing a modular, architecture-agnostic, plug-and-play software model, where developers can publish independent *Microservices* and product vendors can securely integrate them into devices in weeks, not years.

"This launch represents the start of a new chapter for embedded systems, one where innovation becomes accessible, scalable, and shared across the entire ecosystem," said Murat Cakmak, CEO of ZAYA. "The Microservice Store creates a bridge between technology and collaboration, empowering developers and vendors alike to build the future together."

Secure by Design, From the Ground Up

At the heart of the Microservice Store is an **integrated Security Manager** running in the embedded device, delivering full lifecycle protection, from provisioning and updates to runtime isolation and monitoring. The system automates compliance with key cybersecurity standards such as **UK PSTI, EU Cyber Resilience Act, and US IoT Cybersecurity Labelling Framework**.

The store also brings **containerisation/compartmentalisation**, offering CHERI-like protection even on resource-constrained devices such as Arm Cortex-M0. This ensures every Microservice runs in its own secure environment with a single software upgrade.

Empowering Developers&IP Vendors, Accelerating Product Vendors

The Microservice Store empowers two key communities:

- **Developers and IP Vendors** can create, deploy, and monetise their Microservices without exposing source code, handling licensing, or managing sales. Once published, a Microservice can be reused and monetised globally. “Build once, earn forever.”
- **Product Vendors** can assemble secure devices using pre-assessed Microservices, cutting development times from years to weeks, reducing manufacturing costs, and eliminating security guesswork.

This approach makes device creation as simple as building with Lego, each Microservice representing a secure, reusable block.

A Secure and Connected Ecosystem

More than a platform, the Microservice Store represents a **connected global** ecosystem linking developers, manufacturers, and enterprises. Every transaction and update is authenticated, monitored, and managed through a trusted cloud platform, ensuring transparency, integrity, and automation across the device lifecycle.

Availability and Testing the Environment

The **Microservice Store** is now open for public access, inviting developers, product vendors, and industry partners to test the environment for free.

To learn more or apply for early access, visit <https://www.microservicestore.com/>

Please contact info@microservicestore.com for details.