Scalable Edge and IoT Infrastructure to Increase Operational Efficiency and Drive Digital Transformation

Losant and ZEDEDA have partnered to provide a seamless and comprehensive edge computing solution that addresses the challenges of efficiently managing and orchestrating workflows in remote locations across diverse hardware.
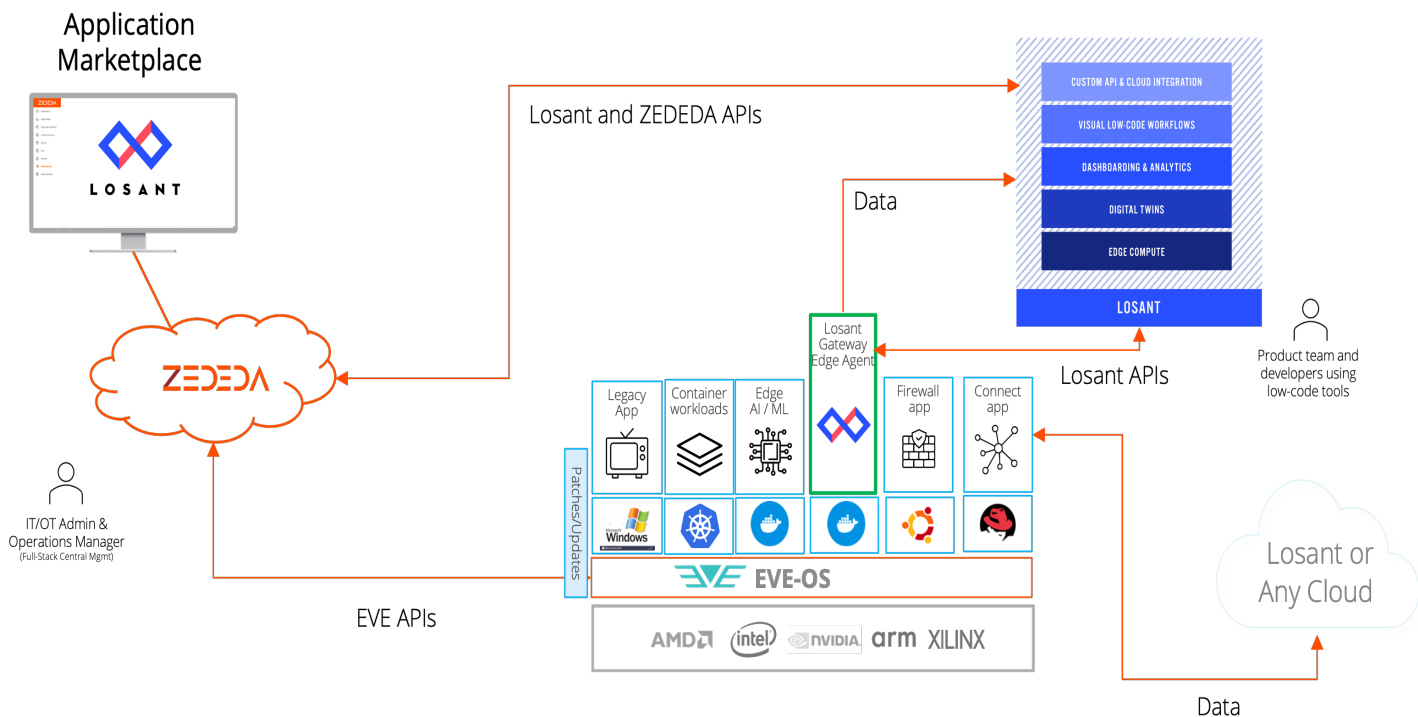
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Digital transformation is overwhelmingly identified as a top initiative by organizations year after year, yet the reality is that this is a complex undertaking. Organizations need to develop innovative IoT and edge applications, but implementing these technologies in the field requires solving the complex task of efficiently managing and orchestrating workflows in remote locations across a diverse landscape of gateways.

ZEDEDA and Losant have partnered to provide a seamless and comprehensive edge computing solution that addresses these challenges. Leveraging the Losant IoT platform along with the ZEDEDA edge orchestration solution enables organizations to accelerate digital transformation projects and enhance operational efficiency in the ever-evolving landscape of IoT and edge computing. For example, this joint solution provides a low-code unified platform to easily collect data from many edge devices and equipment, perform data ops, and facilitate the flow of transformed data between different local and cloud-based systems.

Losant delivers its Enterprise IoT Platform, which provides the complete edge and cloud software foundation to build and scale compelling IoT applications for customers. Losant provides a unique, low code approach to application development that offers a level of agility and speed to market that is hard to find elsewhere. Customers can begin their digital transformation journey, such as building an IoT-connected product, on day one by utilizing Losant's SaaS model or can install the platform within their private cloud or on-premises.

ZEDEDA delivers an open, distributed, cloud-native edge orchestration and management solution, simplifying the security and remote management of edge infrastructure and applications at scale. ZEDEDA leverages an open architecture built on EVE-OS, from the Linux Foundation. EVE-OS delivers an industry leading identity and software attestation workflow that ensures the device can be trusted and that the entire software stack is exactly as expected.

Benefits of the Joint Losant and ZEDEDA Solution

The joint Losant and ZEDEDA solution provides:

Seamless Data Orchestration and Visualization: Collect, centralize and integrate data from all of your connected devices and systems, making it easy to process, analyze, and display the most valuable insights.

Low-code Workflows: Supporting both gateways and embedded devices, Losant's unique combination of low-code development and remote deployments allows less-technical end users to make behavior changes within their connected devices using a visual workflow engine, greatly reducing the complexity and time to market.

Custom Application Development: Custom build any white-labeled web application around your data to offer to internal teams or externally to customers.

Simplified Edge Management and Orchestration: Remotely configure, monitor, secure, and update hardware and applications with centralized management and orchestration of edge devices.

Technology Overview

Losant provides edge logic and an easy way to get data from the edge to the cloud using low-code workflows created in the cloud and then deployed to a single or fleet of edge nodes.

The Losant Gateway Edge Agent deploys in a container within minutes via the ZEDEDA Marketplace, which is used to define the desired state of the applications running on the node.The Gateway Edge Agent brings the power of Losant's Visual Workflow Engine to a local environment within your IoT application, allowing for offline support, integrations with industrial equipment, and local hardware control.

ZEDEDA leverages EVE-OS, from the Linux Foundation. EVE-OS is a lightweight, open source Linux-based edge operating system, with open orchestration APIs. EVE-OS runs on over 75 different hardware platforms, providing customers the flexibility to choose the ideal configuration for every workload.

Example Use Cases

The joint Losant and ZEDEDA solution is suitable across diverse industries, use cases, and environments. A few sample use cases and industries include:

- Smart environment
- Factory floor
- Industrial equipment monitoring
- Asset tracking
- Condition-based maintenance

Ready to Learn More?

Contact your Losant or ZEDEDA sales rep or reach out to sales@zededa.com or hello@losant.com.

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About ZEDEDA

ZEDEDA makes edge computing effortless, open, and intrinsically secure – extending the cloud experience to the edge. ZEDEDA reduces the cost of managing and orchestrating distributed edge infrastructure, while increasing visibility, security and control.

ZEDEDA ensures extensibility and flexibility by leveraging a partner ecosystem, and EVE-OS, open-source Linux-based edge operating system.