IFS Softeon

ELASTIC COMMUNICATOR

Simplifying Warehouse Integrations



Overview

Elastic Communicator is a solution that is part of the Softeon WMS Enablement Tools. Elastic Communicator bridges the gap between your warehouse management system (WMS) and the many systems, devices, and automation tools that power your operations, without writing code.

The tool is Softeon's integration enablement platform that allows teams to quickly connect warehouse systems, robotics, automation, and external applications using a configuration workflow.

Elastic Communicator is:

Cross-platform:
Deploy on Windows, Linux, or Mac.

Cross-protocol:
Supports HTTPS, TCP (sockets), JMS, Kafka, AMQP, and more

Low-code / configuration-driven:
Most direct integrations can be defined through configuration files or via the user interface, with no coding required.

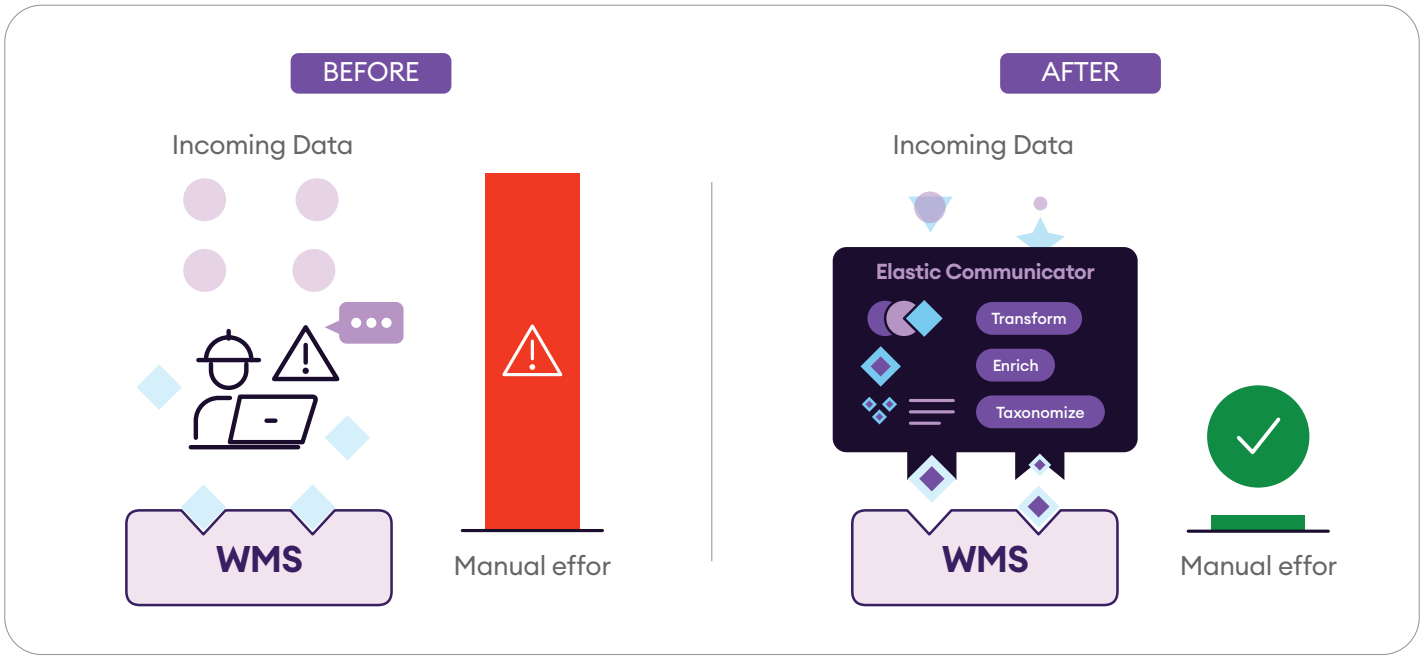
Robust:
Power users or Softeon team members can still write code when necessary to solve complex or unique integration challenges.

Warehouse Device Integrations

Elastic Communicator includes some basic capabilities often found in a warehouse control system (WCS):

- Pick-to-light workflow integration
- Eager cache for validation - Includes built-in token caching for secure, seamless authentication –EC securely preloads and refreshes authentication tokens (like OAuth credentials) at startup, eliminating connection delays and ensuring every message is validated instantly.
- EtherNet/IP (Allen Bradley) PLC integration





Benefits

Traditional integrations often require custom code and long development cycles. With Elastic Communicator, teams can add, modify, or replace integrations in hours instead of weeks.

Configuration-driven:
Define message flows, transformations, and destinations through intuitive JSON or UI settings.the client's requirements are.

Protocol-flexible:
Translate between systems (e.g., WMS sends HTTPS, robot expects TCP).

Reusable and modular:
Standardized structure for consistency and rapid scaling

Reliable:
Built-in message retries and exception handling ensure smooth operations.

Result: Seamless communication between systems, enabling faster automation, lower costs, and reduced risk.

Proven in the Field

Several global fulfillment and logistics operations are leveraging Elastic Communicator to simplify complex integrations and accelerate automation projects. For example, these companies have:

- Connected new warehouse automation devices in a single day using configuration only.
- Integrated mixed robotic fleets from multiple vendors through Elastic Communicator's protocol translation.
- Extended WMS functionality, without custom code or extended downtime.

Powering the Next Generation of Fulfillment

Elastic Communicator is part of Softeon's WMS Enablement Tools, supporting faster, safer fulfillment innovation. Together, they allow you to integrate, orchestrate, and automate with ease.

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