

Cutting Trading Partner Mapping Time by 74.5%

Our machine intelligence for interoperability applied to EDI and API trading partner connectivity

74.5%

Reduction in time to set up partner mappings

14 → 3.6 days*

10+ days saved per connection mapping

\$265,150

Projected YoY savings in operational costs

TrueCommerce, a top-three provider of supply chain and EDI solutions, partnered with L2 Labs to bring machine intelligence into one of the most time-intensive parts of setting up EDI partner connections: trading partner onboarding. Traditionally, onboarding a new trading partner requires experts to interpret implementation guides, partner specifications, raw EDI messages, and internal data models, then manually build and validate maps. Even with experienced teams, this work can take days per map and create a major bottleneck for customers trying to connect with new partners quickly.

Using Alloy, our flagship interoperability product, L2 Labs helped TrueCommerce embed machine intelligence directly into the mapping workflow. Alloy reasons across interoperability artifacts to build a semantic layer—a reconciled model that bridges:

Human-readable documents, like implementation guides or API documentation

Raw data, like XML payloads or EDI messages

Internal data models, like ERP or canonical data models

Historical connections, like past mappings and custom business logic

Using these inputs, Alloy interprets specifications, generates draft mappings, flags uncertain outputs, and supports expert review. The result is not AI replacing mapping specialists, but AI giving them an intelligent starting point so they can focus their judgment on important go-live decisions.

In production, the impact of Alloy's AI-assisted mapping workflow was validated through a **six-week pseudo-randomized control trial**, providing a rigorous comparison against the prior manual process. The study showed a **74.5% reduction in time to set up partner mappings**. The workflow also achieved **94% accuracy in semantic mapping**, reducing rework while helping customers onboard trading partners faster and more predictably.

“AI is shaping the future of the TrueCommerce platform. By introducing AI into key processes, we’re enabling step-function improvements that make it faster and easier for customers to connect with new partners, complete onboarding, and automate EDI workflows.”

— Bill Glass, CEO, TrueCommerce

Together, these gains are projected to drive **\$265,150 in year-over-year operational cost savings**, demonstrating Alloy’s core promise: using machine intelligence to make enterprise interoperability faster, more reliable, and less dependent on manual work.

*Exact day count is confidential; values shown are illustrative but reflect the actual 74.5% reduction found in the study.