



## RESOURCES

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# What Are the 3 Components of 3PL Serialization?



The 3PL has three components they need to provide as part of their serialization solution. Hear why complex integrations and other requirements mean that the 3PL will likely need to increase costs significantly to support the new implementation.

**Video** [Serialization](#) [Brazil](#), [China](#), [United States](#), [European Union](#), [Russia](#)

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**More Serialization and Compliance Resources**



### **What Role Does a 3PL Play in Global Markets?**


3PLs provide an essential service for pharma brand owners, not just in the U.S. and EU, but in other markets such as Korea, China and Brazil. Find out why.

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## Providing T&T Capabilities to Internal & External Warehouses – TraceLink S/T

Merck (Client), T&T Lead (Client), Merck (Client), T&T M&O Project Manager (Client), Merck




### The Challenge

For Merck, the challenge was to provide a robust, scalable, and secure solution to manage the complexity of a global supply chain. The solution needed to be able to handle the volume of data generated by a global supply chain and provide a single source of truth for all stakeholders.



### The Solution

The solution was implemented as a cloud-based, multi-tenant SaaS application. It provides a single source of truth for all stakeholders, enabling them to manage their supply chain more effectively. The solution is scalable and secure, ensuring that data is protected and available to all authorized users.



### Key Activities and Resources

**Key Issues Addressed**


- Integration of multiple data sources
- Scalability of the solution
- Security of the data
- Performance of the solution
- User adoption of the solution

**Resources Required**

- Project Management
- Data Integration
- Cloud Infrastructure
- Security
- User Training

**Critical Success Factors**

- Scalability
- Security
- Performance
- User Adoption



### Outcomes

**Business Value**


- Improved operational efficiency
- Increased visibility into the supply chain
- Reduced risk of stockouts
- Improved customer service

**Results & Feedback**

- Scalability
- Security
- Performance
- User Adoption

**Business Results**

- Increased operational efficiency
- Improved customer service
- Reduced risk of stockouts
- Improved supply chain visibility




### Facilities/Qualifications

**Minimal Risk Solutions Learned**

- Integration of multiple data sources
- Scalability of the solution
- Security of the data
- Performance of the solution
- User adoption of the solution

**Next Steps/Improvements**

- Integration of multiple data sources
- Scalability of the solution
- Security of the data
- Performance of the solution
- User adoption of the solution



### Case Study: Merck | Integrating Warehouses & 3PLs at the Edge

Learn how Merck implemented TraceLink's Smart Inventory Tracker to ensure easy and fast verification at the edge.

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CPL's Daryl Chin on how SPI helps him respond to customer inquiries, release batches more quickly, and invoice faster.

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