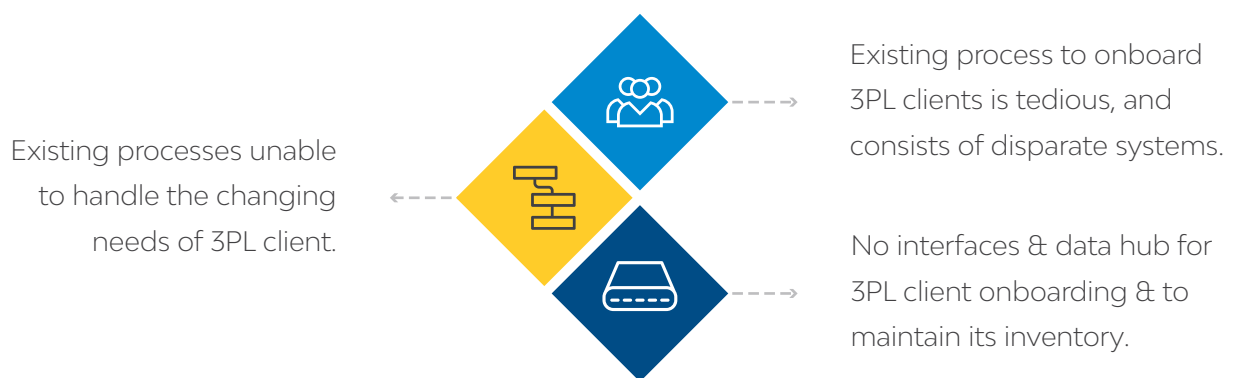LTIMindtree

Case Study

Enhanced Shipment Capabilities through Seamless 3PL Integration for Largest Global Manufacturer of Networking Equipment

Client

A Fortune 100 company, which is the world's largest designer, manufacturer and seller of networking equipment.
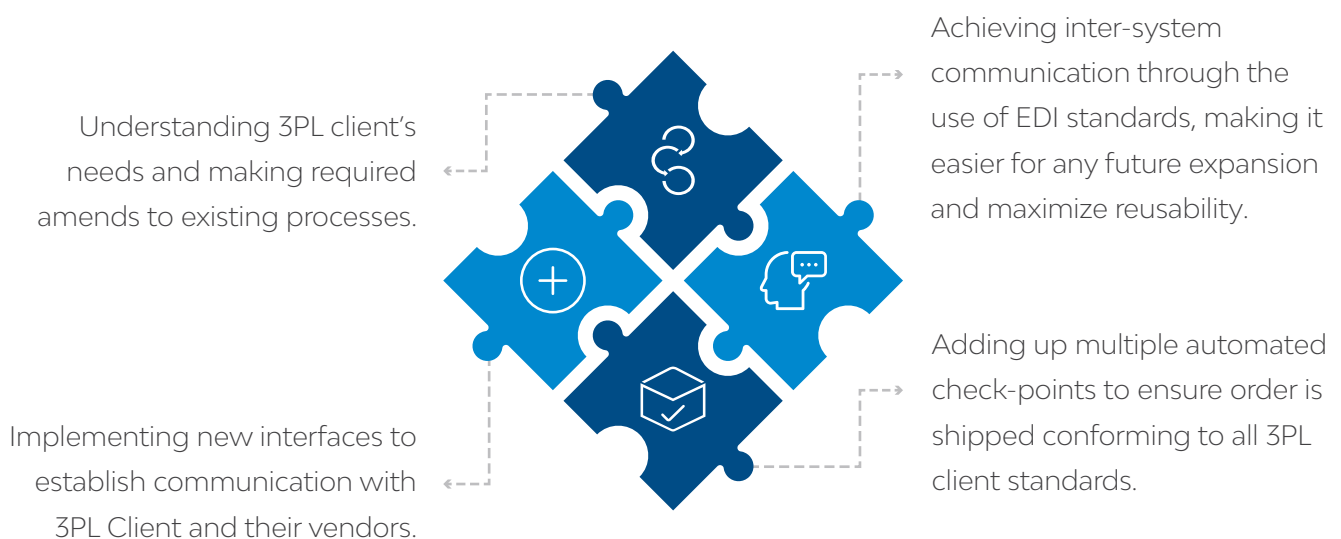
Challenges

The client is directly involved in manufacturing of their networking devices, but the logistics portion was outsourced to other 3PL providers. The client was trying to facilitate a smooth on-boarding of 3PL client on to the existing WMS system, by making system enhancements, with the following key challenges in mind:

Existing processes unable to handle the changing needs of 3PL client.

Existing process to onboard 3PL clients is tedious, and consists of disparate systems.

No interfaces & data hub for 3PL client onboarding & to maintain its inventory.

LTIMindtree Solution

LTIMindtree helped the client in designing and implementing a solution to on-board the 3PL provider by completing the following key activities:

Understanding 3PL client's needs and making required amends to existing processes.

Achieving inter-system communication through the use of EDI standards, making it easier for any future expansion and maximize reusability.

Implementing new interfaces to establish communication with 3PL Client and their vendors.

Adding up multiple automated check-points to ensure order is shipped conforming to all 3PL client standards.

Uniqueness of solution – Provides interface to on-board 3PL clients and their multiple vendors ensuring maximum reusability of the solution. Industry standards emphasized on all customizations, thus new vendor on-boarding always achieved with minimal configuration changes to the system.

Tools: Microsoft Visual studio 2005, Team foundation Server, Toad, Putty, SSH secure shell, Microfocus Net express, Forms Partner.

Operating system: Windows server 2003, Mainframe-ZOS, Linux/Unix.

Usability

Languages: Microsoft Visual C, Microfocus Cobol, .net, Cobol, Pro*C.

Database: Oracle, DB2, SQL Server.

Business Benefits Delivered

- Achieved best On-time Shipment (OTS) % compared to the client's engagement with other 3PL partners.

- Eventually reached 100% OTS over a period of four months, which allowed the client leap ahead of the promised SLA, or even accommodate surprise shipping needs from some of their larger business partners.

- Labor cost savings of 4 man hours per day per warehouse, due to automation of processes and introduction of additional check-points which reduced the amount of manual efforts spent on order processing.

- Generated key additional business segments with the client, as 3PL was able to showcase better order processing capability compared to client's other 3PL Partners.

- Volume of the Shipping increased by 50% over a period of six months, with the same labor.

- Process Productivity increased by 40%.

- Improved business processes that can be applied to other 3PL Clients, thereby increasing the overall productivity of 3PL Provider.