



Business-Centric Approaches to Data Sharing in Logistics Networks

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DESCRIPTION

In logistics, the sharing of data plays an important role in ensuring smooth operations, enhancing efficiency and reducing delays. Companies involved in the movement of goods rely on a wealth of information from various sources, such as suppliers, carriers and retailers. Traditionally, sharing data in this sector has been a challenge, often due to siloed systems, lack of standardization and concerns around privacy. However, recent changes in the logistics industry have emphasized the need for more effective and collaborative approaches to data sharing, particularly with a focus on business-centric strategies. A business-centric approach to data sharing in logistics networks means that companies must focus on using data in ways that drive growth, reduce costs and improve overall business performance. Rather than simply sharing information for operational reasons, the goal is to enable organizations to leverage data for strategic decision-making, customer satisfaction and competitive advantage. A shift towards this type of data sharing demands that companies not only share operational data but also align it with business objectives, whether that involves improving delivery times, optimizing supply chains, or enhancing the customer experience. One of the key aspects of implementing a business-centric approach is ensuring that the data being shared is relevant and actionable. This is particularly important in logistics, where the flow of information can often be complex. By making data sharing more purpose-driven, companies can extract actionable insights that lead to better decision-making. For example, by sharing real-time data on inventory levels, shipping schedules and demand forecasts, organizations can work together to adjust operations quickly, reducing bottlenecks and improving efficiency across the network.

The digital transformation of logistics has made it possible for businesses to gather and analyze vast amounts of data. The increasing use of the Internet of Things (IoT) in logistics operations allows for tracking of goods, equipment and vehicles. Data sharing tools and platforms are helping stakeholders in the logistics network to access up-to-date information about the movement of goods, which is essential for collaboration and

improved efficiency. This transformation means that businesses must rethink the way they handle and share data, ensuring that it is easily accessible and understandable for all parties involved. As organizations increasingly adopt digital tools, interoperability has become a critical issue. It is essential that logistics systems, technologies and software solutions are able to communicate with one another seamlessly. Data sharing cannot be effective if the platforms used by different parties are incompatible. To ensure the success of business-centric data sharing, companies need to prioritize systems integration. This may involve the use of cloud-based platforms that allow data from various sources to be consolidated and made available in real time to all relevant stakeholders. By making data sharing easier, businesses can improve collaboration across the entire supply chain, ultimately leading to better performance.

Data privacy and security concerns remain significant barriers to the widespread adoption of data sharing in logistics. With sensitive information being exchanged between organizations, it is critical that data is shared in a secure environment. Regulations such as GDPR in Europe have raised the bar for protecting customer data and similar laws are emerging in other parts of the world. Businesses must ensure that they comply with these laws and protect the data they share with their partners. Developing secure data-sharing protocols and ensuring that only authorized individuals have access to sensitive information is essential to prevent data breaches and maintain trust among stakeholders. Moreover, the ability to share data in real time also enables faster decision-making. In the world of logistics, where every minute counts, being able to quickly adjust to changing circumstances is essential. With accurate and up-to-date data, companies can respond to delays, re-route shipments and make adjustments to improve overall service levels. This flexibility not only enhances operational efficiency but also improves customer satisfaction by ensuring that deliveries are made on time.

Ultimately, the business-centric approaches to data sharing in logistics networks represents a move towards greater collaboration and more efficient operations. The digitalization of logistics and the rise of new technologies have made it possible to share and utilize data in ways that were previously not

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Received: 26-Dec-2024, Manuscript No. RPAM-24-27966; **Editor assigned:** 30-Dec-2024, PreQC No. RPAM-24-27966 (PQ); **Reviewed:** 13-Jan-2025, QC No. RPAM-24-27966; **Revised:** 11-Sep-2025, Manuscript No. RPAM-24-27966 (R); **Published:** 18-Sep-2025, DOI: 10.35248/2315-7844.25.13.498

Citation: Kazant R (2025) Business-Centric Approaches to Data Sharing in Logistics Networks. Review Pub Administration Manag. 13:498.

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possible. By adopting these new methods, organizations can not only improve their internal operations but also enhance their relationships with customers, suppliers and other stakeholders in the supply chain. As businesses become more interconnected

and reliant on data, those that adopt collaborative and strategic data-sharing practices will be best positioned to succeed in a highly competitive and fast-evolving industry.