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Benefits of Cloud-Based Transportation Management System

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ABSTRACT
With the rapid growth in technology, software is now housed on cloud with the help of Internet-of-Things and cloud technology, making it easier for users to access from anywhere. Cloud based Transportation management system is a transportation management system that reside within the cloud. Its data are stored and managed in a central location. This paper aims to enumerate the benefits of using Cloud-based transportation management system.

KEYWORDS: *cloud-based, internet of a thing, software as a service, hosted, transportation management system.*

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I. INTRODUCTION

Transportation management system is a tool for planning, executing, and optimizing the transportation of goods. Transportation management system creates value throughout the entire supply chain management. Transportation management system can be hosted software or cloud-based software.

Hosted Transportation management system also known as on-premises transportation management system is a transportation management system that resides on premise. In other words, the platform is contained within the servers of your hardware

Cloud-based Transportation management system also known as software as a service (SaaS) transportation management has the data and platform reside within the cloud, it relies on sharing data storage and computing power across a large user base to drive economies of scale for the users of the cloud platform.

BENEFIT OF CLOUD-BASED TMS

There are ranges of benefits that Cloud-based transportation management system provides to the users. Some of these benefits include:

Accessibility

To access a Cloud-based transportation management system, you only require internet access. There's no need for users to use a VPN or to be on the office network. This kind of flexibility enables everyone from shipping teams to customer service representatives worldwide to have access to your shipping operations.

Centralization of Data

Cloud-based transportation management system can streamline. The automation and centralization of your data improves its efficiency. It also grants you greater visibility and reduces costs to nearly all parts of your business.

Reduced Costs

One of the main advantages offered by Cloud-based transportation management system is cost reduction. Companies save on human resources to service the application and on overall operating expenses.

In cloud-based transportation management system, the costs of entry are relatively low and you can choose your payment frequency and the kind of functionality you receive. This means you're able to spend based on your needs.

Also, you do not have to pay for the upkeep and storage of servers. Nor are you responsible for the maintenance and security of keeping your own transportation management system.

Security

Security is a major issue for any business. Cloud-based transportation management system Logistics software providers dedicate significant resources to ensuring that customer data is protected from cyber security risks, enabling shippers and third-party logistics to focus on moving cargo rather than putting up firewalls. In addition,

cloud-based software is by its nature hosted across multiple servers and locations and backed up at regular intervals. This redundancy means that a server crash or power outage won't put your data at risk of being lost.

Visibility

Today, many companies who are still using legacy systems find that they're lacking real-time visibility. With a Cloud-based transportation management system, you will get real-time data, reports, and analytics. You should be able to see exactly where every shipment is at every stage in the process. The analytics gathered by such systems can help you make informed decisions about your business and operate more efficiently. This is a major benefit that reduces the time spent on reports and helps you make faster decisions.

User-friendly

Developers of cloud-based transportation management systems expect the solution to be used by people from a wide scale of transportation experience and technology skill levels. This typically means that cloud-based solutions will be easily trainable and easy to use.

Implementation and Maintenance

With Cloud-based transportation management system, lengthy deployments are a thing of the past. Since the solution is already set up and running offsite, new users can install and gain access to all the benefits it has to offer within weeks instead of months.

With a cloud-based TMS, businesses no longer have to upkeep massive servers. They no longer have to do continual data backups, and power outages or crashes will not result in lost data. Updates and upgrades are handled remotely, ensuring that you always have access to the latest software version available. This allows for greater flexibility and connectivity, and the ability to support your customers more efficiently, even if you're offsite.

Scalability

Cloud-based transportation management system Allows you to respond immediately when your needs change without incurring additional and unplanned budget or requisitioning additional personnel.

A Cloud-based transportation management system is designed to function with a wide range of operation types and sizes. This means that small- and medium-sized shippers can adapt to demand fluctuations or operational growth without investments in additional software solutions.

II. CONCLUSION

Cloud-based TMS solutions are an integral part of modern shipping, promoting efficiency, cost reduction and a better understanding of critical supply chain functions. Your competitors are using it**!** Now is the time to think about why having a TMS stuck in the cloud is the safety net and solution your company needs.

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