

report

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Technology Solution

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Business Need and Proposed Solution

Trusty Carpets has a significant challenge in managing its business orders due to the lack of a network infrastructure. This has led to inconveniences in the customer management as the business has problems in the management of its current invoices and data. The business has a significant challenge of finding a database that can manage its orders and invoices in an efficient manner. This has not only created problems in the companies supply chain but has contributed to a significant issue in the companies supply chain. In addition, the Trusty Carpets has a problem of lacking a one-stop solution for invoicing, payroll, accounts payable, and also managing its books of accounts. Over the years, Trusty carpets have been faced with key business issues such as the management of invoices, inventory management, vendor processing, and also management of its daily and return customers.

With this increase in the quality of these networks, managing information centers has become an on-going challenge. The role of the information area networking expert is to manage the structure in a manner that ensures the enterprise is intelligent and trustworthy. The information area networking expert is required to do the technical installation and intricate design of web equipment that includes routers, switches, and other devices which are common in information centers.

Enterprises deploy network management structures to efficiently manage infrastructures, which include multi-vendor system elements. The discovery of issues in the system is a critical characteristic as it determines the system process. The network management structure is the lynchpin in-network processes for identifying flaws in the system structure. This structure has the ability to get results from these various web components and then processes them. It will also

include results from important resources and servers. It is likely for network operators to observe the operating condition of routers, switches, etc.

The rising demand of organizations to manage complex IT infrastructures and upkeep organization performance is leading to the development of the managed IT infrastructure and information center services section. Every organization, irrespective of its size and world of commerce, relies heavily on its IT assets to do business actions. Undesired downtime or IT infrastructure failure may lead to loss of important job knowledge. Thus, initiatives are getting the aid of managed service providers who will control their day-to-day transactions and securely back up their information in case of IT infrastructure failure.

¹ The proposed solution for Trusty Carpets is the development of a new software known as QFloors, whose main purpose is to take the available opportunity of using technology for updating its business processes. This software system is aimed at tracking orders and payments instead of using Google docs, which is an odd way of doing business. The main advantage for adopting QFloors is updating business processes and ensuring that the company has significantly reduced its overhead costs, increased its profitability, and also enhanced the efficiency of conducting business. QFloors is an essential software management system that will also contribute to the improvement of the company's business processes through providing the management with an inbuilt database management system that ensures that the procedures are efficiently conducted (Bloom, 2019).

Solution Resources and Operational Components

¹ QFloors is a user-friendly business software whose main purpose is to organize business operations. The benefits of adopting this software tool are to build profitability in a business entity through the reduction of overhead costs, streamlining efficiency, and also cutting the overhead costs of that business. QFloors has been identified as one of the best business software whose main focus is to manage inventory, sales, improve accounting, job costing, labor reports, leads, and also manage the customers (Mathrani & Viehland, 2009).

A. *Required Resources*

1. **Hardware:** The required hardware for enhancing the proposed solution for the business includes the following. A personal computer, a wireless router for internet connectivity, sales tablets, and also a multipurpose printer. The aim of having these tools is to ensure that the business operations can be conducted efficiently.
2. **Software:** A purchase of QFloors enterprise software is needed to ensure that the large business operations have been conducted so as to improve the technological efficiency of the business. Those owning this software will have the responsibility for carrying out the software enterprise so as to ensure that the current operations have been carried out with an effective manner. The antivirus software should also be purchased to ensure that data has not been compromised by outside influence. (Munoz, 2018).
3. **Network and Communications:** Several network servers would be carried out remotely to ensure that several processes have been conducted. These include the CRM systems, the communications, invoicing, and also sales. QFloors uses an accrual accounting system that ensures that all business processes have been conducted in an efficient manner.

¹ 4. How these work together to provide the solution

- A. People: Every individual employed at Trusty Carpets will play a significant role in ensuring that the system has worked in an efficient manner. The management of the business shall be responsible for over checking the product orders, the payments to suppliers, employee's payroll, bill payments, and also the payroll. The employees shall be responsible for inventory data management and also ensuring that all the employees in that business have been effectively compensated for work done. This will not only improve the efficiency of the employees while at the same time, ensuring that the business has conducted its affairs in an effective manner (Bloom, 2019). The people component is important is planning to use and also learning how the system operates. This is because a small mistake in one part of the system can have a negative impact on the overall system. For this reason, there is a need to learn how the system works so as to improve the efficiency of the system and enhance its performance.
- B. Data: Data shall flow into the system processed and later released by the business. The focus is to ensure that the business has conducted activities such as customer management, quoting, contractor scheduling, document storage, and also inventory tracking. The Online QFloors shall conduct an efficient data management that shall ensure that the customer and business information have been effectively managed. The main aim for the management of data is to ensure that the business operates in a premium manner.
- C. Input: The raw data inputs for the business includes inventory management, sales order management, purchase orders, suppliers, products, and also the management of invoices. The management of the data processes will be aimed at ensuring that the business is successful on the long term (Munoz, 2018).

- D. Processing: QFloors is a cloud-based solution that processes data input by using the PaaS Model, whose main focus is to give less for more. The business is focused on improving network connections and also giving customers more for conducting common functions such as invoicing, sales, communications, and also CRM functions.
- E. Output: Once QFloors has received its data inputs, the system usually generates available information whose main focus is to authorize data through a mobile web browser, especially via a desktop. Since the central system will always operate in an efficient manner, it is advisable to maintain data integrity so as to ensure that the process is secure and effective for the management to ensure that every information is kept in a safe environment.
- F. Storage: QFloors usually provides its users with unlimited storage for data. This data is always managed and stored in the database that it is readily available for its business functions.
- G. Security: QFloors not only guarantees its users with high-level security for its data but also provides its users with the capacity to manage data in an efficient manner. There is also a need to install the antivirus software that shall ensure that the data is not compromised by any hacker or outsiders. This is an important step in ensuring that the information kept by the enterprise is kept in a safe environment. QFloors not only provides users with cloud computing that is secure but provides users with benefits for its application. The central application ensures that the users have achieved reduced costs for its products and improved cloud storage and security. This usually eliminates the time needed to ensure that data has been processed in an efficient manner. Since data usage is centered into one user, the process of managing data is always enhanced. It is evident that

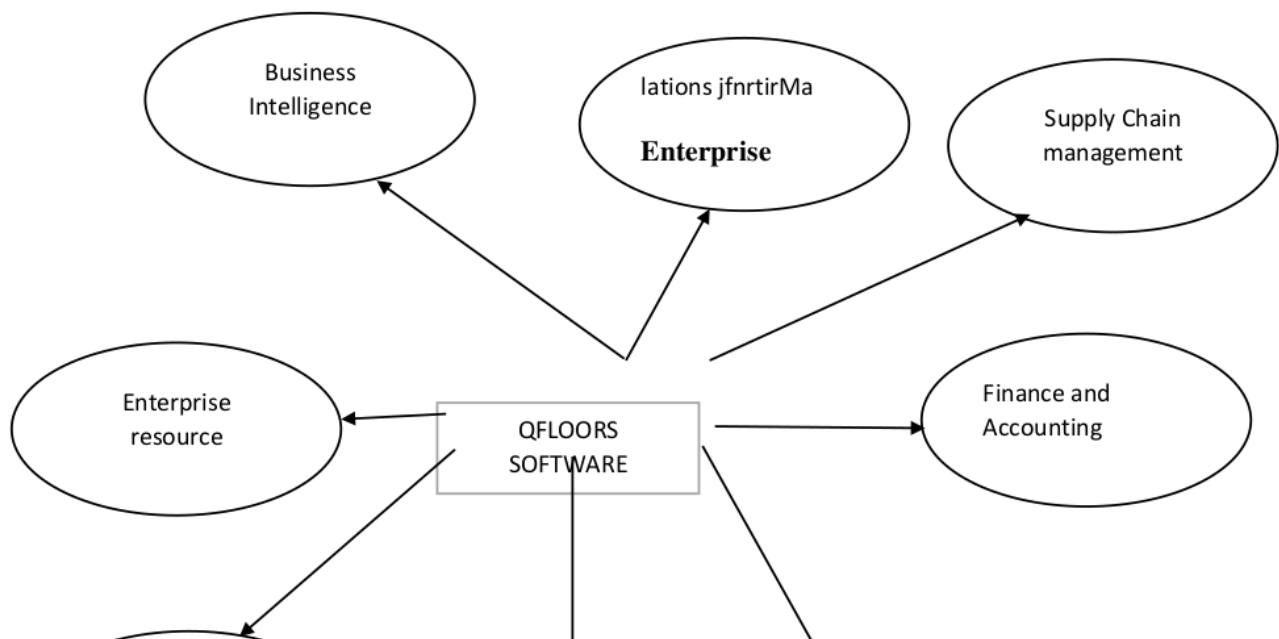
the management of data using this system is an easy process. This is because no human interventions are involved, especially in the management of big data (Bloom, 2019).

How the system will converge

The deployment of QFloors software in a business begins with downloading the software from the distributor into the business personal computer. Once the download has been completed, it is clear that the business allows the users with ¹time-saving with B2B features that allows the business to automatically download product definitions, price lists, billing, and also shopping information. The software has several sections, for instance, the finance section that contains several items such as financial reports, sales tax ¹reports, contract labor reports, commission reports, and also inventory reports. These sections usually allow for the training and support of the business through profitable means that ensures the business has conducted its operations in a more effective manner (Du, 2013).

Enterprise Architecture

The following diagram is a proof of the QFloor software major components.



The following QFloors software management with its designed functions. The following are the key features that have been used to ensure that the business is effective. Upon deployment of the software into Trusty Carpets, the software shall be responsible for these key functions. These are eight key functions that the software shall be responsible for handling. These include business intelligence, enterprise resource management, data management, tax management, finance and accounting management, supply chain management, and content management.

Conclusion

Overall, it may be said that the deployment of the QFloors system will help to streamline the operations of Trusty Carpets and ensure that the business has become efficient on the long term. Trusty Carpets needs this flooring software due to the fact that it will adequately help the business in the management of its key functions such as software automation, tracking of inventories, accounting management, ordering, sales, scheduling, tax management, improvement of billing operations and also job costing. The software is low cost and ensures that all operations in the business have been automated. This will encourage the business to become more effective in conducting its operations and also effectively performing its main functions. Several features

such as billing, shipping information, ¹tax reports, commission reports, labor reports, inventory management, and also billing will also be effectively conducted by the business. Some of the accounting features in the business include conducting real-time data and accurate information processing. The other key benefits for running the software in the business include factors such as automatic backup and also convenience in minimizing cost and time.

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