Opportunities of Cloud Computing in Supply Chain Management

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Abstract

Cloud computing technology is a new and rapidly growing technology. It has impact on the working of different fields. The supply chain management also started using cloud computing. It open new opportunities in supply chain management and provides new benefits. It improves flow of information from customers to the production units. The production new can better understand the market and produce products as market demands. It also helps to reduce inventory levels improve logistic management. Real time status about products in transit helps not only to reduce inventory but also increase reliability of supply chain management. Customization of product on customer demand becomes reality.

Keywords : cloud computing, supply chain management, inventory, logistic

Introduction

Supply Chain Management is a wide network of facilities and distribution that involves in procurement of raw materials from suppliers, transforming these raw materials into intermediate materials or finished material and distributing these materials its users (intermediate materials to next stage of production and finished materials i.e., product to its customers through chain of realties). The complexity of the supply chain varies from industry to industry. Items are stocked in various inventories for smooth and uninterrupted supply of materials in the chain. Logistic is used to transport materials from one place to other.

Materials and Methods

For the purpose of in depth study the contents have been taken from relevant books ,articles, journals, websites. The method is analytical and descriptive.Both primary and secondary sources of information have been taken.

Results and Discussions

A numbers of decisions have been taken by its players for various activities at different stages of the Supply Chain Management. Researchers provided models to achieve minimum cost. A correct and timely decision is necessary to implement a model and reduce cost and time. To achieve this goal, a good coordination of activities and fast communication among players are required. As Supply Chain Management spade over a large geographical area it is a big challenge for any organization.

The Cloud Computing : In Cloud Computing, a user of a Cloud only needs an internet connection and basic computing system. By use of an internet, a user can access sophisticated infrastructures, applications and services that are provided by the cloud. These services are available twenty-four hours and can be accessed throughout the world. The organization that uses a cloud pays as use the cloud. The Cloud Computing provides Software as a Service. It helps organization by

Improving visibility : The information about real-time demand from market, Inventory status, movement of product in transit and daily sales of product are very important for any supply chain management. The use of the cloud computing allows an organization to capture these information from the source of these information.

The use of GPS devices on vehicles and their monitoring gives exact position of a vehicle in its transit. It not only gives position but can also provide speed and direction of movement of the vehicle in a real-time. So, every