Abstract

Recent years have witnessed a remarkable success of cloud computing services and applications, while still cost-effective is considered. Recent trends in e-commerce models and applications have employed effectively the benefits of cloud computing. The main focus of many recent types of research has been given to propose models and applications to enhance e-commerce services using cloud computing.

In this paper, the main focus is centered on proposing an effective approach that combines both perspectives of cloud computing parties in an e-commerce environment. A proposed model has been developed for e-commerce as a prototype in hosted to cloud computing. Such a prototype is used to evaluate, test and validate the proposed model based on combining e-commerce to cloud computing. The developed prototype contains e-commerce consumer, service provider, and platform provider (using Microsoft Azure) while the developed website has supported many e-commerce services including orders, shopping, customers and payment services. Results and testing have validated the enhancement gained by e-commerce services while maintaining a
cost-effective criteria due to the use of cloud computing.

References


Index Terms

Computer Science

Distributed Systems

Keywords
Cloud computing, E-commerce, Hybrid, Window Azure.