CREATING A TEA SHOP WEBSITE USING MICROSOFT AZURE

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Abstract

Cloud computing is a set of technologies and infrastructure technologies represented by a holistic consumption model primarily based on utilities. Windows Azure is Microsoft's cloud computing showcase designed to help customers understand the benefits of cloud computing. This article is the arrival of Windows Azure and provides an understanding of the many elements of Azure, especially those that are fully enhanced, especially for those interested in embracing Windows Azure in their corporate IT environment. Cloud computing is affecting many industries including e-learning, healthcare, and e-commerce. We provide highly efficient and affordable online services that provide high economic value. Undoubtedly, there has been a revolution in the world of the Internet and the world of business. A growing number of e-commerce companies are turning to cloud computing for its outstanding practical value. This journal provides an overview of cloud computing in e-commerce and discusses the benefits and challenges of adopting cloud computing in e-commerce. To resolve the conflict between the company's e-commerce activities and resource constraints, the company has implemented an advanced cloud computing service model that addresses the shortage of funds, manpower, and skills needed to

operate e-commerce. Solve e-commerce challenges and resource constraints by simulating cloud-based e-commerce applications and building e-commerce application frameworks based on cloud computing environments. Research shows that using a business application model in businesses and their own e-commerce through network resources solves the problem. The cloud-based e-commerce application model enables enterprises to reduce costs through efficient e-commerce operations and solve the problem of enterprises unable to grow their e-commerce business due to lack of resources.

Keywords: Cloud Computing, Microsoft Azure, E-commerce

Introduction

With the rapid development of e-commerce, the information structure becomes more and more complex and the amount of information becomes very large. Users are often divided into vast amounts of information about their products, and businesses cannot use the vast amounts of information about users to build effective customer relationships. We have entered the era of big data. E-commerce platforms also collect products and assets from many customers, giving customers more choices, as well as creating a resource dilemma for quality customer selection. In today's environment, e-commerce is growing rapidly. Due to the increase in information structure and quantity of information, many users will fall into the trap of huge product information. In this case, merchants cannot build long-term and effective customer-user relationships while collecting information about users[1, 2]. In the era of big data, as e-commerce becomes more sophisticated, the amount of data used in the field is increasing. Geometrically, the content of the product is rich and diverse, providing users with a wide range of products, as well as providing users with a wider choice. As the amount of information in e-commerce increases, it takes a long time to find consumer-satisfying information on how to maximize your website design to make it easier for consumers to make choices[3-6].

Literature Review

This journal specializes in the effect of cloud computing on e-commerce. You want to construct a stable basis for the effect of cloud computing. From the outset, the effect of cloud computing has been mentioned in numerous literature.[6-9] analyzed elements including loss of instructional sources that avert the purchase of instructional facts in rural China and concluded that cloud computing can assist remedy those troubles. This article explores the feasible advantages of cloud computing for instructional facts. This applies to cloud computing applications. However, a lot of these capability advantages of cloud computing are mentioned simplest in unexplored empirical research. [10] explores the great effect of cloud computing on approaches and offers a brand new cloud computing methodology. This article makes it even extra convincing with the aid of using analyzing the fantastic effect cloud computing has at the practices of main corporations and businesses like Google. However, the writer emphasizes the technological effect of cloud computing instead of studying the enterprise effect.

[11, 12] analyzed the demanding situations dealing with mastering Chinese, together with restricted mobile sources, big garage potential for textbooks, and costly investments in hardware and software program. The authors say that cloud computing can remedy mastering demanding situations thru powerful, customizable, dynamic computing environments that assure nice of carrier to quit users. Finally, the authors finish that cloud computing will play an essential position in enhancing mastering. This article predicts using cloud computing in education. However,

empirical evaluation is likewise lacking. [8, 10, 13] Analyzed the effect of cloud computing on current software program tasks and diagnosed that cloud computing must be utilized in current software program tasks. First, we endorse a migration strategy, safety strategy, and associated migration tools. The motive of this text isn't simplest to give an explanation for the fantastic effect of cloud computing on current software program tasks, however additionally to indicate unique techniques for a way cloud computing may be as it should be carried out to software program improvement tasks. [14, 15] observed that with the speedy improvement of the monetary environment, overall performance control of digital obligations is turning into increasingly more essential. Leaders in virtualized businesses want a manner to put in force regulatory capabilities for basic overall performance control. Cloud computing generation may be the quality preference for digital workflows because of its reliability and safety characteristics.

The authors additionally concluded that cloud computing may have a multiplier impact on a couple of tiers and a couple of elements of overall performance control in digital operations. There are downsides to this text. First, it does now no longer examine the advantages of cloud computing for digital overall performance control. Second, there aren't anyt any concrete examples to guide those provisions. According to the literature review, it could be visible that there are 3 troubles withinside the current research. First, the prevailing literature normally specializes in one or elements of the effect of cloud computing on unique disciplines. No article presents a complete evaluation of the effect of cloud computing. Second, a few literature mentions the effect of cloud computing on e-commerce. In fact, the speedy improvement of e-commerce requires cloud computing to take part in generation architecture, enterprise mode and carrier mode. As a result, it'll have a main effect on enterprise and e-commerce improvement. Finally, a few literature presents case research to make conclusions extra conclusive. This article describes the modifications in e-commerce withinside the generation of cloud computing and analyzes in element the effect of cloud computing on e-commerce firms and cost chains.

Testing Methods

This test method uses cloud computing called Microsoft Azure. Microsoft Azure is an ever-evolving suite of cloud computing services that help organizations solve business problems. Microsoft Azure gives you the freedom to create, manage, and deploy software across a large global network using your favorite tools and platforms. Microsoft Azure provides Software as a Service (SaaS), Platform as a Service (PaaS), and Infrastructure as a Service (IaaS) and supports a variety of programming languages, tools, and platforms, including Microsoft as well as specialized third-party software and Microsoft.

Result

Fig. 1: Dashboard of Microsoft Azure

Fig. 1 This is the beginning of microsoft azure. After that make the virtual machine so that the web runs smoothly.

Fig. 2: VM Size

In fig. 2, there are many packages offered by microsoft azure. However, here we choose the usual package (B1ms) with the following specifications:

- Linux operating system (ubuntu 18.04)
- East US server location (Zone 1) Size package di azure
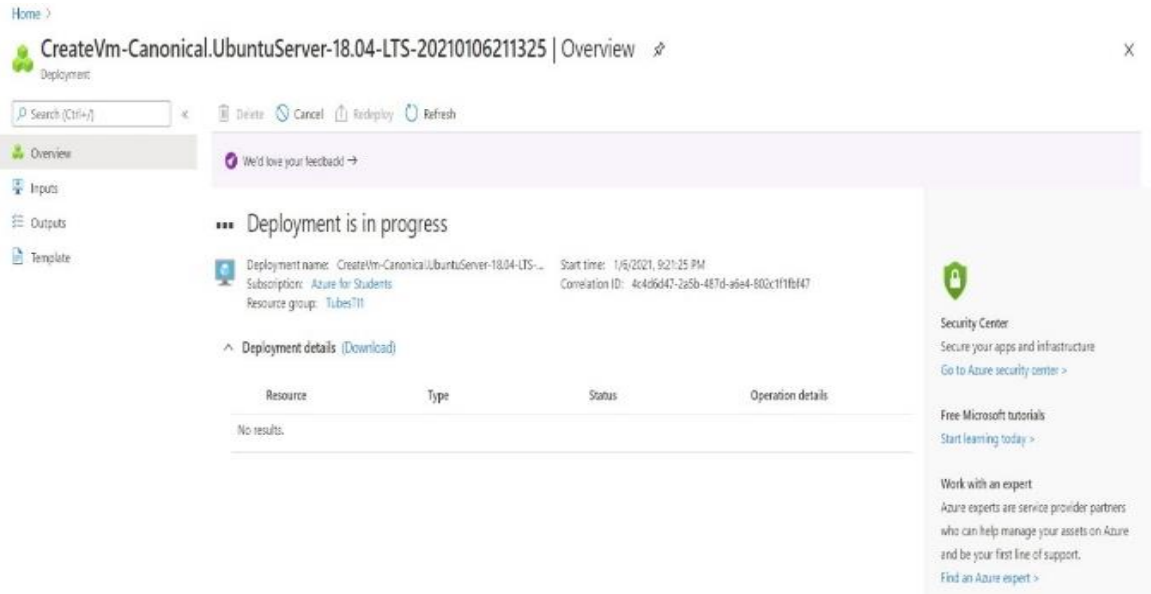- Standard B1ms
- 1 vCPUs
- 2 GiB RAM

Fig. 3: Deployment Virtual Machine In fig. 3 Waiting for deployment
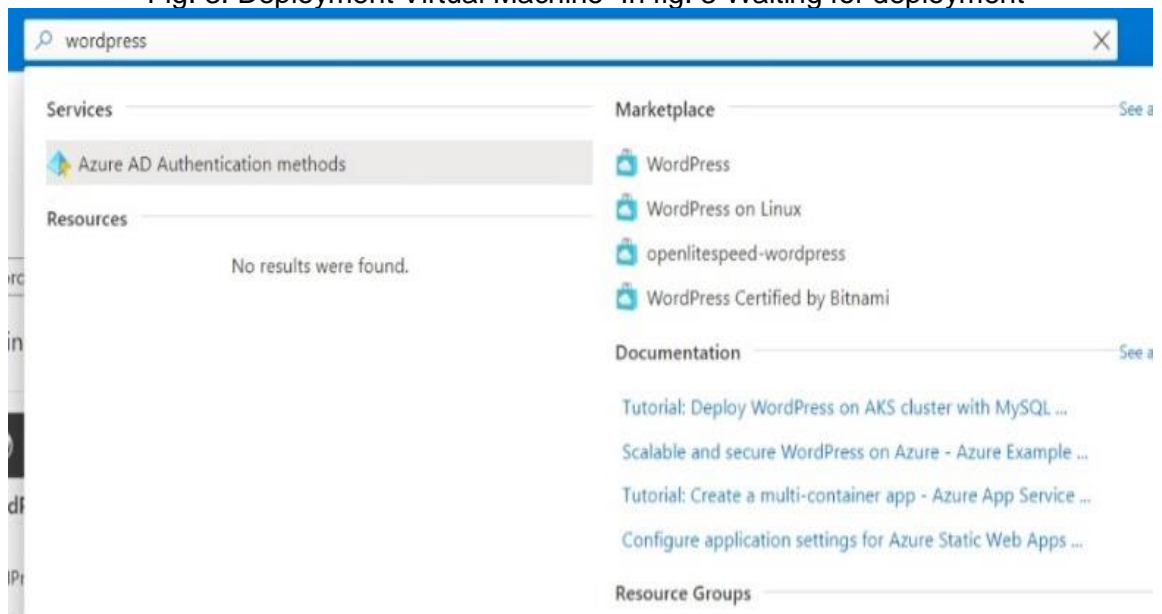
Fig. 4: Wordpress In fig. 4 here we will create a website using wordpress in azure

Fig. 5: Creating resource   In fig. 5 we   fill   in   the   App name   and create   a new group resource and create   the   database.

Fig. 6: Creating Database

In fig. 6 this is the setting to create the database server. After logging in wp admin, then choose plugins and search.
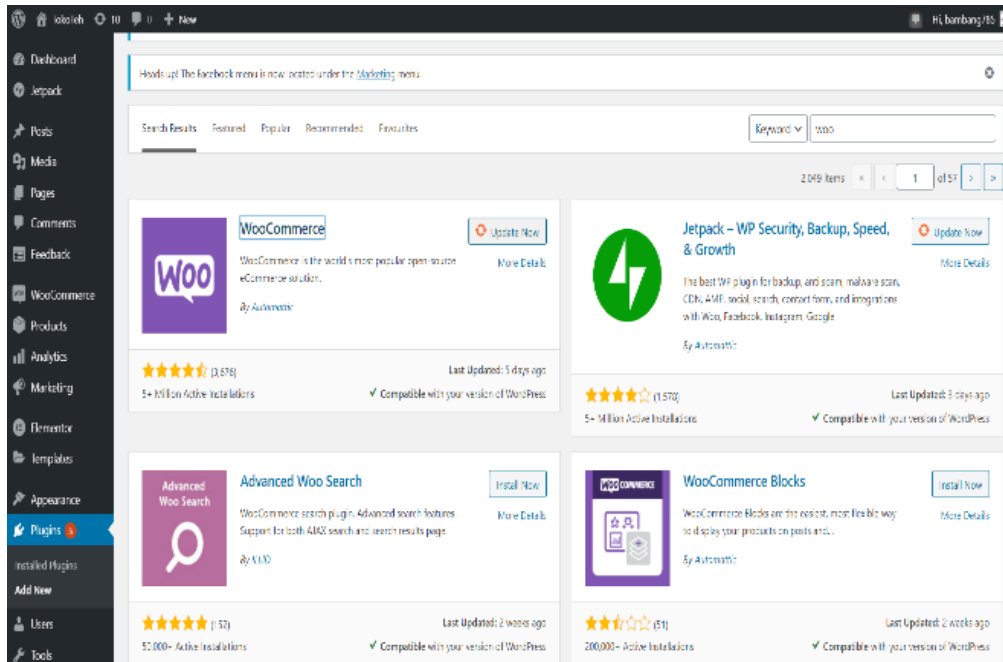
Fig. 7: Menu Plugin in Wordpress

In fig. 7 choose plugin woocommerce, then just install. After that fill in the data ranging from store details, industry, product types, business details, and themes.
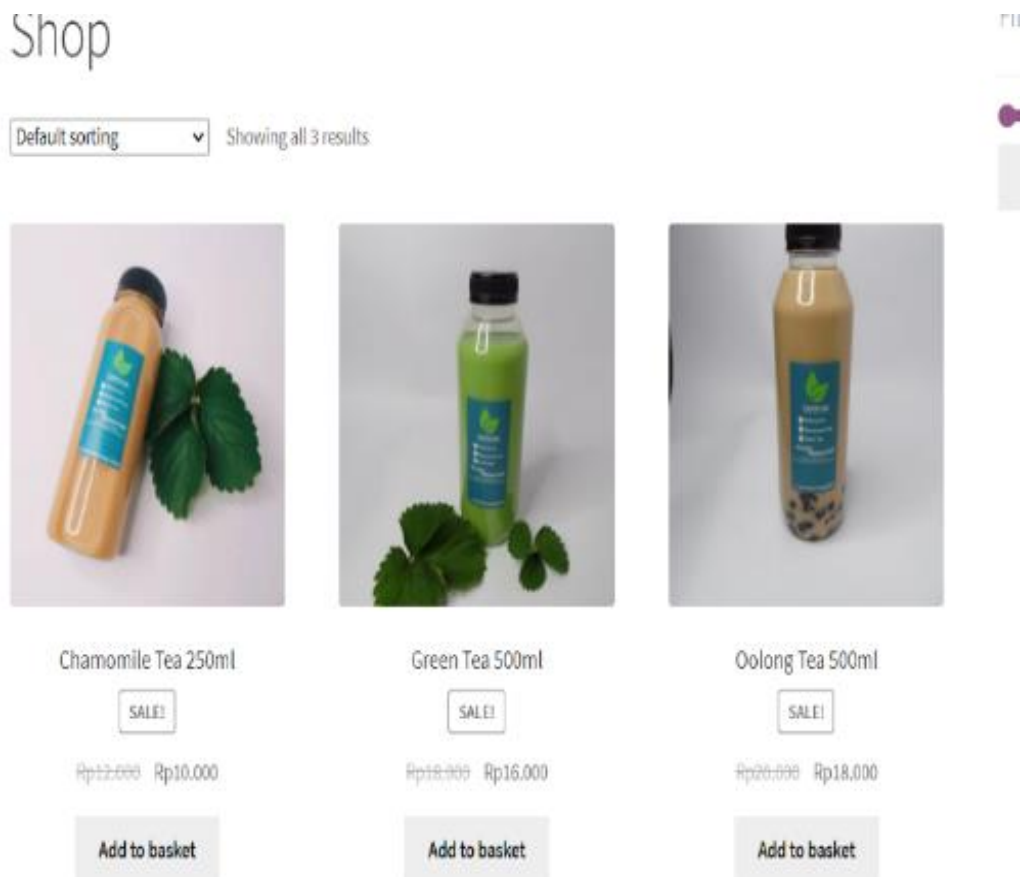

Fig. 8: appearance of tokoteh

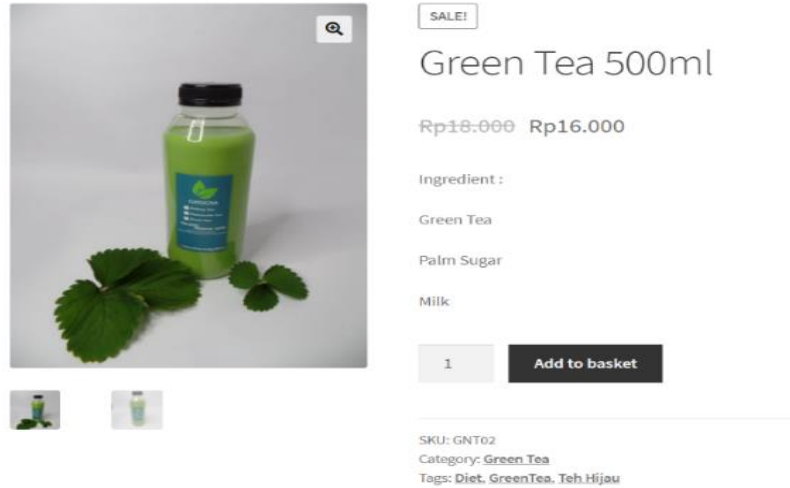In fig. 8 Here's the tokoteh look we've made.

Fig. 9: product display in tokoteh

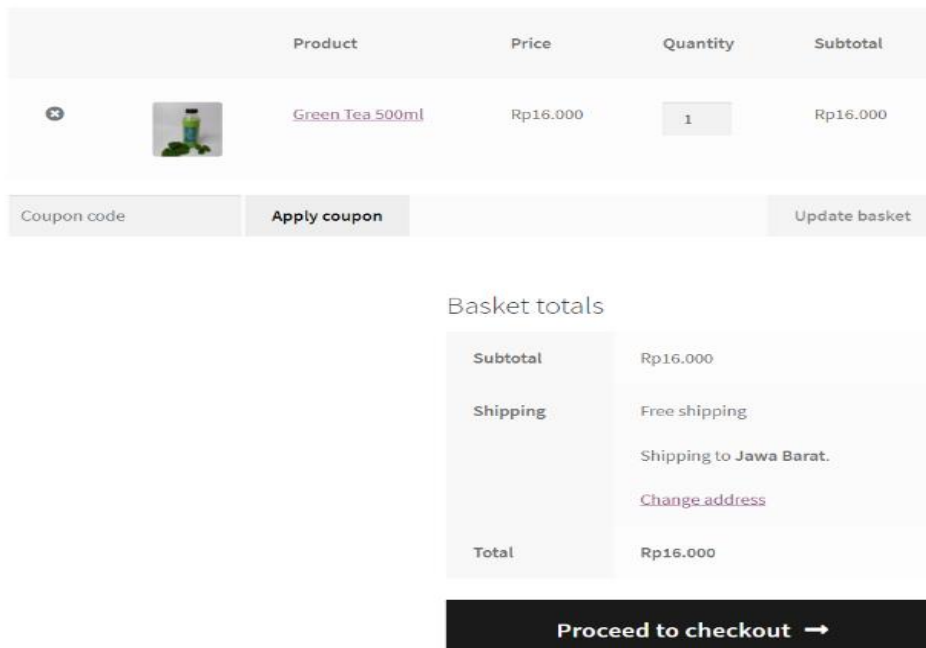In fig. 9 Let's take for example this green tea product, add it to "basket".

Fig. 10: menu checkout

In fig.10 After that will appear the checkout process if you have a coupon can be applied here.

Fig. 11: menu shipping

In fig. 11 Lastly, you can fill in the data and then choose the type of payment, here we only provide 2 types of payments, namely bank transfer and COD, after that, just place order and finish. Orders have been made.

Conclusion

In our daily life, we usually see offices where we use many computers to run our companies. In this situation, as the use of computers increases, users use mass storage media and must be a priority in all areas. This is especially true in business sectors where high-performance technology is required at high cost. This is a solution to this problem because cloud computing is a great and inexpensive technology. Cloud computing is not only inexpensive, but also has a flexible and efficient storage medium that can be integrated into the business world. Cloud computing can also reduce the need for user hardware and software. Because of cloud computing. With the increasing number of computer and mobile phone users, data storage has become a priority in almost every area of business. Large enterprises or small businesses are now highly advanced with data centers.

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