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## ANALYSIS OF CLOUD TECHNOLOGIES IN ECONOMICS

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**Annotation:** This article focuses on Cloud Technologies in the Economy about the perfect ways to apply and their types and their development.

**Keywords:** Information technologies, Clouds, Hybrid, Cloud, Abstract.

### I. INTRODUCTION

Today we cannot imagine any field without computer technologies. In the era of informatization and computerization, it led to new approaches to the sale and transmission of information in the field of tourism. It must be modern for every institution operating in this field. Cloud technology is a popular technology in which users use IT (Information technology) information resources on the Internet platform to enter or receive information. This technology stores data and resources on an online server and is used for secure access by the user instead of saving them directly to the computer's hard drive.

Another advantage of cloud technologies is that you can enter or receive data from online servers from anywhere in the world. It is very difficult to access this server when the internet is busy because this server works online.

A cloud service may be slower to transfer large amounts of data than a built-in application. In rare cases, the security is poor, but in most cases, the cloud creates backups, so there is no need to worry. You don't need to buy expensive computers and components for data storage, because everything is stored in the Cloud. The performance of the computer will increase, because in office work and other fields "Cloud" technologies manage programs remotely, therefore there is a lot of free space on the computer. Technical service problems are decreasing year by year, because the number of physical servers is constantly decreasing and the software is constantly being updated.

## **II. LITERATURE REVIEW**

The following scholars have considered the importance of "virtualization" technologies in the emergence of cloud computing in their research: Monakhov D.N., Monakhov N.V., Pronchev G.B., Kuzmenkov D.A. [1], Akhmedova O. [3], Amirov D.M., Atajonov A.Y., Ibragimov D.A., Rakhimjonov Z.Y., Saidkhozayev S.S. [4], Usmanova N.B. [5].

## **III. RESEARCH METHODOLOGY**

The methodological basis of the research was formed as a result of the study of theoretical and practical information, legislation and other legal documents, literary sources and publications. The research is based on the connections between theory and practice, but also made extensive use of methods such as analysis, comparison, and synthesis.

## **IV. ANALYSIS AND RESULTS**

The reason why the use of cloud technologies is achieving continuous success is simple: their application has various capabilities and saves on infrastructure, service and personnel costs. Technical support for data processing and data storage in a remote data center can be simplified enough. Almost all of these problems are borne by the service provider. Such an approach allows to standardize even if different operating systems (OS) (Windows, Linux, MACos, etc.) are installed on enterprise computers.

The company makes it easy to provide access to information for both employees and customers who are out of the office but have access to the Internet. Despite many conveniences for use, it also has a number of disadvantages. In particular, the user is completely connected to the organization providing the service. In fact, the idea of creating a cloud service depends on how the enterprise provider's ISP operates. Modern cloud technologies are rapidly entering the market of not only ready-made network and server devices, but also embedded systems (cloud).

The idea of connecting and managing various remote devices to a global network is called the "Internet of Things". According to Kevin Dallas, CEO of Microsoft Embedded, the idea of the Internet of Things has existed for many years, but the reason why such a network was not implemented was the lack of creation of one link - cloud technology.

The 21st century is the age of high technologies and mass communications. Now we cannot imagine our life without electronic devices. It includes computers, notebooks, tablets and even mobile devices, phones.

These devices are changing the lives of many people for the better.

Today, "Cloud" technologies are actively used in all developed countries. They provide innovative and cost-effective opportunities for business, management, economics, education and researches.

And so, currently, the study of "Cloud" technology is of particular importance:

- Data of one person on several computers, for example; it is necessary to have knowledge about the compatibility of software for constantly transferring files, opening and editing documents on a work computer, a home computer, notebooks, tabs;

- It is necessary to know the limited capacity of the computer's hard disk or flash cards and have Software licenses.

The role of cloud technologies; If we look at "cloud" technologies themselves, these are data processing technologies in which computer resources are provided to the Internet user as an online service. The word "Cloud" is used here as a metaphor for a complex infrastructure that hides all the technical details

Currently, "Cloud" technologies are divided into the following categories:

- Personal (Private)
- Public
- Hybrid
- Clan (community)

A private cloud is an enterprise's internal cloud infrastructure and service. Such a cloud is located within the corporate network. An organization can manage a private cloud independently. The infrastructure can be located at the customer's premises or at the external operator's premises, or partly at the customer's premises and partly at the operator's premises. It is an infrastructure used by an organization that includes several consumers. A private cloud can be owned and managed by the organization itself or by a third party (a combination thereof).

Public cloud - cloud computing services in such an infrastructure can be used by the general public, are provided by providers and are located outside the corporate network. Such cloud users will not have the ability to manage or provide services to the data in the cloud, all responsibility rests with the cloud owner. The client pays for the resources they use. All public infrastructure. A public cloud can be owned, managed, and analyzed by commercial, academic, and government organizations (or any combination thereof).

Hybrid Cloud-Known as cloud computing that supersedes existing clouds, hybrid cloud is a type of cloud computing that combines the special qualities of its predecessors to offer a large number of users Internet data storage service with excellent quality and high stability. that other clouds do not offer to their users.

Hybrid cloud software is recognized as the best because its stability and profitability are superior to private cloud computing.

However, despite the technological advancements happening in society as a whole, there are still people all over the world asking the same question, "**What is Hybrid Cloud?**" considering that many people these days don't check the services they get as they don't care to read the terms of service and agreements that many apps offer. Therefore, the importance of knowing and checking what the services we receive and the rules that apply to them is always emphasized.

This massive data storage service is exponentially more powerful than its cloud computing sibling, allowing users to enjoy the most advanced platforms within the aforementioned computing industry in addition to the databases of these digital



clouds. allows to be. the best databases in computing due to their complex structure that is easy to understand. Similarly, the scope of hybrid clouds is broad as it covers both individuals and legal entities.

## **V. CONCLUSION/RECOMMENDATIONS**

It should be noted that these computer clouds are managed by their creators without requiring a third party to manage, maintain and even update these types of clouds, these companies are mostly independent institutions that have sufficient resources for them. to create this high-end digital technology that companies around the world need. However, these clouds are highly underestimated by many users because they don't always have data.

The economic information system is a set of technical programmatic and organizational measures designed to automate information processes in the professional field.

It is worth saying that this technology is considered one of the most needed technologies not only in Uzbekistan perhaps in the whole world. In my opinion, this is a program that is needed all over the world. It is a necessary program for all areas, for example: economics, management, accounting, etc. It is the easiest and most convenient way to re-sort information and store it in the right places.

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