

**V. V. Polishchuk**  
*research supervisor: T. A. Vakalyuk candidate of  
Pedagogical Sciences, associate professor  
I. Franko Zhytomyr State University  
Language tutor: L.P. Serdiichuk*

## USING CLOUD COMPUTING IN EDUCATION

The actuality of the article is defined by the rapid development of information technology in our country and in the whole world. Society uses computer technologies in various fields of human activities including education. However, there are many barriers to information and improvement of the educational process. The solutions of many of them are cloud services.

The purpose of this article is to analyze the concept of cloud technology and the current state and prospects of implementing cloud technologies in the learning process.

Cloud computing is the delivery of computing services over the Internet. Cloud services allow individuals and businesses to use software and hardware that are managed by third parties at remote locations. [1] Cloud computing is therefore a type of computing that relies on sharing a pool of physical or virtual resources, rather than deploying local or personal hardware and software.[2]

When you store your photos online instead of on your home computer, or use webmail or a social networking site like Facebook, Picasa, photo-bucket you are using a “cloud computing” service. [1]

The technology provides an innovative alternative to bricks-and-mortar schooling, enabling personal learning and interactive learning. The cloud allows students to interact and collaborate with an ever-expanding circle of their peers, regardless of geographical location.

Using cloud services in education in recent years has become prominent. Clouds can be used as a data warehouse, as a service to work with and as means for computing information. Cloud technology reveals the great potential of the Internet for students and pupils and teachers. However, the problem of their use in the classroom has not been investigated.

It is possible to use cloud services in education in form of as e-books, simulators, software for implementing distance learning, laboratory facilities, programs to test knowledge or digital libraries.

One of the problems facing the present-day education is the lack of material support of schools that prevents continuous updating of software and hardware. The solution of this problem is using modern service Google Apps for education. The main of products offered us by Google is e-classroom. Where teachers can easily and quickly create and verify tasks electronically. Each student’s task is stored in a separate folder on the disk. [3]

So, cloud technologies are among the current and prospective areas of information technology. During our study found a lot of advantages of cloud services in education in Ukraine have been found.

## LITERATURE

1. CLOUD COMPUTING: NEW ERA IN EDUCATION. [Електронний ресурс] – Режим доступу : URL : <http://www.technicaljournalonline.com/ijeat/VOL%20V/IJAET%20VOL%20V%20ISSUE%20II%20APRIL%20JUNE%202014/Article%2012%20V%20II%202014.pdf>
2. CLOUD COMPUTING IN EDUCATION [Електронний ресурс] – Режим доступу : URL : <http://iite.unesco.org/pics/publications/en/files/3214674.pdf>
3. Рішення для студентів і викладачів. [Електронний ресурс] – Режим доступу : URL : <https://www.google.com/intl/uk/edu/products/productivity-tools/classroom/> – Назва з екрану.