ADVANTAGES AND DISADVANTAGES OF USE CLOUD DATA WAREHOUSE

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Abstract. *In the article the most popular cloud data storage, such as: Dropbox, Google Drive, cloud Mail.ru, OneDrive. A comparative analysis of the functioning of these repositories. And also are advantages and disadvantages to use cloud storage data.*

Key words: *cloud computing, cloud technologies, cloud services, data storage, cloud storage.*

Introduction. Students and pupils increasingly use mobile phones, tablets and other gadgets, the main purpose for which the said categories of the population today is to have fun and games, although the possibility of much wider use. That is why recently more and more popular is the problem of the use of cloud technologies in all areas of life. In particular, to date, to store all sorts of data are increasingly used cloud storage.

Cloud technologies and their use in different spheres of life dedicated to the work of many scientists, including E.I. Ablyalimova, M. Kademiyi, S.G. Litvinova, L.M. Medzhitova, M.V. Popel, Z.S. Seydametovoyi, S.N. Syeytveliyevoyi, Trius Yu, V. Chernov, M .P. Shishkina and others.

The purpose of this article is to review existing cloud storage data and conduct comparative analysis of the strengths and weaknesses in use.

Results. *Cloud technologies -* is a fundamentally new service that allows you to remotely use the means of processing and data storage.

In particular, cloud services offered by well-known developers are so-called cloud storage.

Under the cloud data storage model to understand online storage where data is stored on numerous servers on the Internet provided for use to [5].

In general, the internal structure of the client servers not visible. The data is stored and processed in so-called cloud storage, which is, from a user perspective, one large virtual server [5].

For a simple blog is nothing more than "virtual flash card" or "flash drive cloud" where you can store files, then access them will be opened on any computer.

The principle of the majority of such storage each - a special folder on your computer which is synchronize files with a "cloud" service. The user places the files in it, and a special client software keeps track of all changes in a folder and automatically synchronizes them with the "cloud" and then they become available to all connected devices albums - on another computer, phone, tablet or other gadget .

For each file, you can get a general reference and transferring it to another person to share it.

The fact that the issue of the future of file storage clouds is becoming increasingly apparent. Overseas business run special cloud platforms, infrastructure transferred back and even software.

Consider the following comparison of data storage as: Dropbox, Google Drive, cloud Mail.ru, OneDrive.

Cloud data storage DropBox [5]. Despite American roots entirely in Russian interface Dropbox website and client applications released for the operating systems Windows, Mac OS and Linux. Dropbox app is also available to owners of smartphones and tablets running iOS, Android, Symbian, BlackBerry.

Users Dropbox offers free use of up to 2 GB of memory.

Also offers service system of bonuses that can increase the amount of cloud storage. Thus, each reduced friend, Dropbox gives users both 500MB and review of Dropbox in social networks (Twitter or Facebook) will have 125 MB. The maximum possible extent of storage - 18 GB.

This repository is integrated change control system, through which additional protection is provided, within 30 days of any deleted file can restore any file modified can view unchanged.

It should be noted that data to Dropbox, you can send e-mail that is indisputable advantage. Each account is assigned a unique e-mail box. When sending messages to this address, the file is automatically placed in the related STORE Account Dropbox.

Google Drive, users known as Drive Google [6] - cloud storage service that provides free registration, integration with other services Google (such as Mail Gmail, social network Google+, a single account for all products).

The web interface provides features for managing files, creating various office documents, notes, comments, reviews, forms, scripts, and their joint editing with other users in real time with support for voice communications.

Available viewing more than 30 file formats - have the opportunity to view high quality videos or open files created in Adobe Illustrator and Photoshop, without installing additional software on your own PC.

It also provides the ability to create documents, spreadsheets, presentations, commenting on the actions of other members and communicating with them by voice communication system.

Thanks to the change control file spend more documents - all corrections that have made to documents, spreadsheets and presentations in Google Drive are stored permanently. For other file formats stored history of changes made over the past 30 days.

With useful features worth noting that this service allows Harn recognize objects on the downloaded photos and text in scanned documents.

After registration, Google Drive offers 15 GB of storage for free use. The maximum amount of cloud storage for one person is 16 TB, which is the highest among similar cloud services.

Cloud Mail.ru [8]. Cloud storage service that lets you save, set up public access and download files from change - not. The big drawback of storage is that if you do not use it for 3 months, then your repository can close completely by the rules of the resource.

Cloud data storage offers the user 10 GB, which can be increased to 100 GB.

OneDrive (SkyDrive). Cloud service created by Microsoft. Service OneDrive applications integrated with Microsoft Office, directly from the data warehouse can store files Excel, OneNote, PowerPoint and Word. For the user to use free 7 GB of memory.

Updating this service offers the following benefits: automatic file backup camera for Android; the ability to share and view videos and photos; as for each invited friend user can get 5 GB of free (500 MB for one second) and so on.

Discussion and Conclusion. So, having considered the most popular cloud storage, it should be noted that to the extent the repository, which is provided to the user free to use, is the most profitable cloud Mail.Ru (100 GB). All services, except Clouds Mail.Ru, with the possibility of expanding the volume of purchases by means of tariff plans.

Regarding usability, the most attractive is Dropbox, which has required applications for different devices, and Google Drive, which is versatile and has a wide list of tools.

REFERENCES

1. Bykov V. Cloud technology, ICT outsourcing and new features of ICT departments of educational and research institutions / V. Bykov // Information technologies in education. – №10. – 2011. – P. 8-23.

2. Vakaliuk T. A. Possibility of using cloud technologies in education / T. A. Vakaliuk // Actual problems of modern pedagogy. Proceedings of international scientific conference (m. Ostrog, 1-2 November 2013). - Kherson: Publishing House "Helvetyka», 2013. - P. 97-99.

3. Vakaliuk T. A. Feasibility cloud storage / T. A. Vakaliuk // ICT training: abstracts of Ukrainian scientific-practical conference, May 23, 2014 / MES of Ukraine, Uman GPU Pavlo Tychyna; home. Ed. Tkachuk GV - Uman: FOP yellow AA, 2014. - P. 19-22.

4. Cloud data storage [electronic resource]. – Mode of Access: URL: http://oksim.com.ua/index.php/167-khmarni-skhovishcha-danikh. - Title from the screen.

5. DropBox [electronic resource]. - Mode of Access: URL: https://www.dropbox.com/ru/. - Title from the screen.

6. Google Drive [electronic resource]. - Mode of Access: URL: https://www.google.com/intl/ru_ua/drive/. - Title from the screen.

7. Files: Skydrive [Electronic resource]. - Mode of Access: URL: Skydrive.live.com. - Title s screen.

8. Cloud Mail.ru [Electronic resource]. - Mode of Access: URL: https://cloud.mail.ru/home/. - Title s screen.