

ADVANTAGES AND DISADVANTAGES OF USING 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 are discussed. A comparative analysis of the functioning of these repositories as well as advantages and disadvantages of using cloud storage data are described. The purpose of our article is to review existing cloud storage data and conduct comparative analysis of the strengths and weaknesses in use. 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.*

Keywords: *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 these said categories of the population today are used is to have fun and games, although the possibility of a much wider use. That is why recently more and more popular is 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.

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

MATERIALS AND METHODS

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

RESULTS

Cloud technologies are a fundamentally new service that allows to remotely using the means of processing and data storage. In particular, cloud services are offered by well-known developers as so-called cloud storage.

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

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

A simple blog is nothing more than a "virtual flash card" or "flash drive cloud" where people can store files, then access them by opening from any computer.

The principle of the majority of such storage each is a special folder on your computer which synchronizes files with a "cloud" service. The user places the files in it, and special client software keeps tracks of all changes in a folder and automatically synchronizes them with the "cloud" and then they become available to all connected devices albums on other computers, phones, tablets or other gadgets. For each file, it is possible to get a general reference and transferring it to another person to share it.

It is a 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. Considering 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, and BlackBerry. Users of Dropbox are offered free use of up to 2 GB of memory. Also it offers a service system of bonuses that can increase the amount of cloud storage. Thus, each invited friend, Dropbox gives users both 500 MB and review of Dropbox in social networks (Twitter or Facebook) with 125 MB. The maximum possible extent of storage is 18 GB. This repository is an integrated change control system, through which additional protection is provided, within 30 days any deleted file can be restored and any modified file can be viewed unchanged.

It should be noted that data to Dropbox, you can send via e-mail that is an 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] is a cloud storage service that provides free registration, integration with other services of Google (such as Gmail, social network Google+, one 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 having 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, and 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 with all corrections that have made to documents, spreadsheets and presentations in Google Drive are stored permanently. Other file formats store history of changes made over the past 30 days. A useful feature as Harn is worth noting. This service allows recognizing 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] is a cloud storage services that let you save and downloads files after changing but do not set up public access. The big drawback of storage is that if you do not use it for 3 months, then your repository can be closed completely by the rules of the resource. Cloud data storage offers the user 10 GB, which can be increased to 100 GB.

OneDrive (SkyDrive) is a cloud service created by Microsoft. Service OneDrive application is integrated in Microsoft Office where you can store files directly from the data warehouse Excel, OneNote, PowerPoint and Word. For the user 7 GB of memory are free to use. 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 for free (500 MB for one second) and so on.

DISCUSSION AND CONCLUSION

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.

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