

# In the Cloud Storage Market How Users are Using it without Hesitation (Report 2016)

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## Abstract

Cloud Storage, today has become an integral part of IT related persons lives. It also use in many businesses institute to store their important data. But, they always concern about its security. User of Cloud Storage can't use it without hesitation. So, it is important to know for provider and builder that why user feel unsecure and what are the factors for hesitation to use Cloud Storage. In this paper we focus on user opinion for their hesitation to use Cloud Storage.

**Keywords:** Cloud Storage; Security; Feedback; Data leakage; User access; Physical disruption; Infrastructure changes.

## 1. Introduction

When we are working with Cloud Storage, we thought that in the Cloud Storage market how users are using it without hesitation. We began to think about it and talk to many people found out about the different people in different kinds of thoughts and feelings. We discuss about it and have decided to team members together, we'll look at how many percent of people satisfied to user conventional Cloud Storage. We made a few questions and collect feedback from CSE students and teachers of a few educational institutions in Bangladesh. Our report will be help to improve Cloud Storage security and user friendly.

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## 2. Questions for survey

We conduct the survey from 02 March, 2016 to 30 March, 2016. Our questions were similar to the following:

1. What kinds of Cloud Storage Software are you use?
2. Why this kind of software are you use?
3. Are you face any security problem?
4. What kinds of problem are you face?

## 3. Feedback from teachers and students

For this survey our team member goes to teachers and students of Computer Science and Engineering (CSE) department of Jessore University of Science and technology, Shajalal University of Science and technology, Sylhet Engineering College. We also through these question with google form. We found feedback like as ...

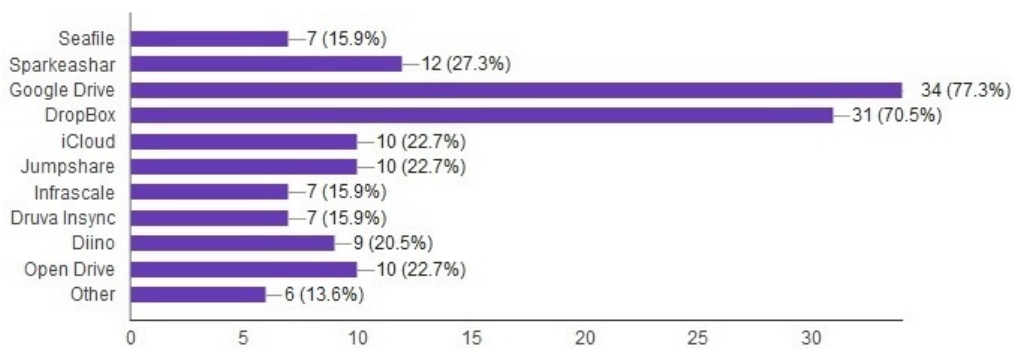


Figure 1: What kinds of Cloud Storage Software are you use?

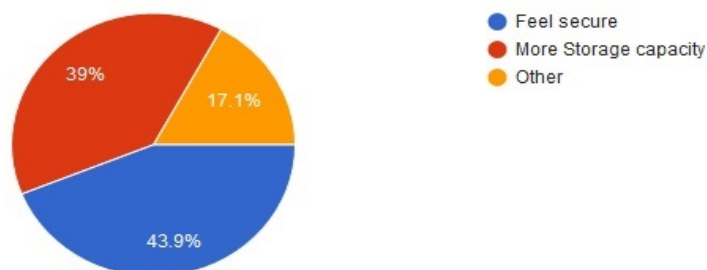


Figure 2: Why this kind of software are you use?

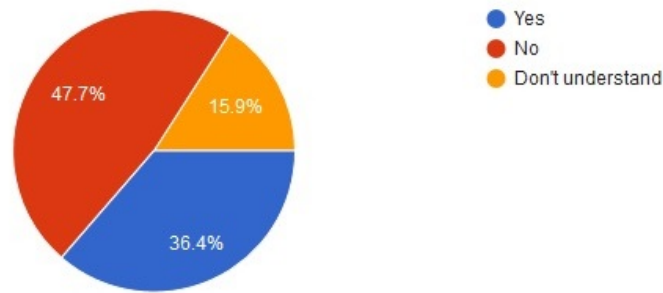


Figure 3: Are you face any security problem?



Figure 4: What kinds of problem are you face?

#### 4. Summary of feedback

From above fig. we can easily understand that most of the user of cloud storage are chose it just thinking storage space and data security. 43.9 percent people feel secure using cloud storage system and 39 percent people think that they use cloud storage system for more space. 36.4 percent user face some problem to use it where 47.7 percent did not face any problem, rest of use cannot understand about the problem. The problem like as

- Insider user threats like as Malicious cloud provider/customer / third party user [3].
- External attacker threats like as Remote software attack of cloud infrastructure/ applications/ hardware attack against cloud user organizations' endpoint against cloud user organizations' endpoint against the cloud/ Remote software and hardware attack against cloud user organizations' endpoint software and hardware / Social engineering of cloud provider users and cloud customer users [1].
- Data leakage like as Failure of security access rights across multiple domains/ Failure of electronic and physical transport systems for cloud data and backups. Whether a CSP can securely maintain customers' data has become the major concern of cloud users. The frequent outages occurring on

reputable CSPs [8], including Amazon, Dropbox, Microsoft, Google Drive, etc., further exacerbate such concerns.

- Data segregation like as Incorrectly defined security perimeters/ Incorrect configuration of virtual machines/ and hypervisors.
- User access like as Poor identity and access management procedures Data quality like as Introduction of faulty application or infrastructure components.
- Change management like as Customer penetration testing impacting other cloud customer's / Infrastructure changes upon cloud provider, customer and third party systems impacting cloud customers [2].
- Denial of service threat like as Network bandwidth distributed denial of service / Network DNS denial of service/ Application and data denial of service [4].
- Physical disruption like as Disruption of cloud provider IT services through physical access/ Disruption of cloud customer IT services through physical access/ Disruption of third party WAN provider's services [5]. Data loss and data breaches were recognized as the top threats in cloud computing environments in 2013 [7].
- A great number of concerns about data protection are raised, since giving up direct control has to be one of the hardest things enterprises have to do [6]. Exploiting weak recovery procedures like as Invocation of inadequate disaster recovery or business continuity processes.

## **5. Recommendations**

We observe that Cloud Storage has many limitation to ensure full security for user. User of Cloud Storage face many security problem. In this paper we find out the problems which user face. It is help to remove that problems in new version of cloud storage or new cloud storage. So, we hope we can get more secure and user friendly cloud storage.

## **6. Conclusion**

A conclusion we can say that in conventional Cloud Storage has many limitation. The user of conventional Cloud Storage face many kind of problem and they concern about conventional Cloud Storage security system. We should take action remove this kind of problem user face to use cloud storage in the new version or new cloud storage. This report can be helpful owner of the cloud storage system to remove there ligancy.

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