



A Personal data Storage of Cloud Computing for integrating web data Service

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Abstract: Cloud computing is a common word for all which provides the hosted services over the network. Recently, many prototypes are used for combining and maintaining the data individually that comes from the various network services. But the data's cannot be properly preserved may be chance to hack the data by the unauthorized user, so we have lost the confidence and sensitive information and we cannot be stored. To overcome this problem, in this paper, we are giving the suggestion about creating the own storage cloud and maintain the large data's only that extends over the network and give the practical approach to protecting the data when combining the private data's in different network services.

I. INTRODUCTION

Private data dispersal on the network varies from outdated files in the Computers. It is a great task to incorporate all the data into a solitary system with the differing organization. The real file system must manage all the different file systems that are fixed at any given time. Some applications are developed over the web using the concepts of operating system and abstractions. But it is very difficult to maintain the data, so we suggest to create an own storage cloud in the abstraction layer to maintain an internet based own data and distributed in different internet services and personal computers. In own storage cloud contain some features such as (Table 1).

Table1.1 features and description

Features	Description
Adaptable data combination	<ol style="list-style-type: none">1. Protects the original structure of data objects.2. Provides universal and unique identifiers for the file objects.
Identifier-based file notions.	It supports user defined file views through the adaptable data combination identifiers is used to help the users to place files in specified place.
Scalability	<ol style="list-style-type: none">1. Easily combine new internet services through the real file system interface.2. Take less effort to combine the existing application to the new application.

In this paper, we are giving the suggestion about creating the own storage cloud and maintain the large data's only that extends over the network. And give the practical approach to protecting the data when combining the private data's in different network services.

II. SYSTEM DESIGN

2.1 Layered description:

This architecture comprises of three layers the physical layer, the logical layer, and the application layer. Maintain the data from different network services in the physical layer which it is present in the down-level in the system. It is used to save all the meta-information about the data objects and moves them to the internet services. The logical layer comprises into two divisions such as cloud citing and data restructuring. Cloud citing is handling the drivers which is developed by the application designers and offers the users with own clouds. Every individual might save the data from Websites and computers. Every cloud has a distinct identifier which is giving the unified cloud citing to the consumers and give the assurance to the scalability of the system. Own storage cloud, restructuring the Meta-information and joins the outdated tree file system and two-way labeling to offer a consumer level storage system, that can support certain applications enable the customers and maintaining their dispersed data objects.

2.2 Cloud cites:

The main aim of cloud citing is to offer the consumers with own clouds and assurance the scalability and adaptability. On the network, many internet services offer the designer token API's. This is easy to write the driver program to combine the data into own storage cloud. In computer, the data which is placed we will make it for the use of browser plug in synchronize them into own space. So, we are producing two nodes such as driver and cloud, for attaining the objective. The D - node is consisting the meta-information for the API driver. C-node Manages the list of consumers combined services and the other recorded services.

2.2 Data restructuring:

The consumers have maintained their own data easily by using the concept of the real file system. This file system is used to keeping the structure originally and format of data objects. Personal dispersed data are used as an abstraction file. Every service has attached to a file system. When placing the internet data services, own storage data are going to the entire consumer data space, and acquires the Meta information. An outdated directory leftover the original organization, but an identifier based semantic data is plotted into a tree model. Let us assume Benny is having an account with Annie and her images will be joined into own storage cloud, it would have a name hierarchy such as /benny/Annie/album/. It is used to support the consumers for organizing the content, navigating, filter and placing their own data and mapping the tag in their outdated format.

2.3 Visions:

In own storage is the chain of outdated hierarchy and the semantic –based file system. Customers will create certain questions to vision and placed the own data objects. It can build a different types of questions with the tags []. The way of creating the questions according to this syntax list (parent _ventry, tags [], flags [], limited, is Hierarchy) return the result set which meets these Conditions locate (String query) return set of data objects which is in the question.

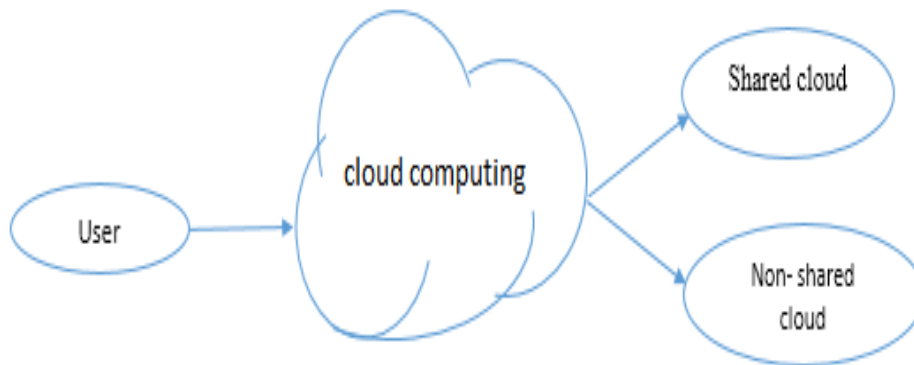


Fig 1: cloud computing

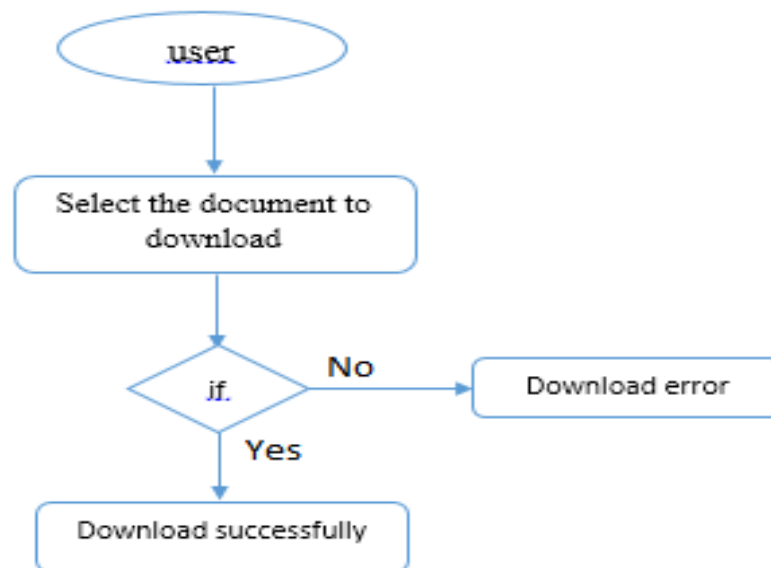


Fig 2: shared cloud

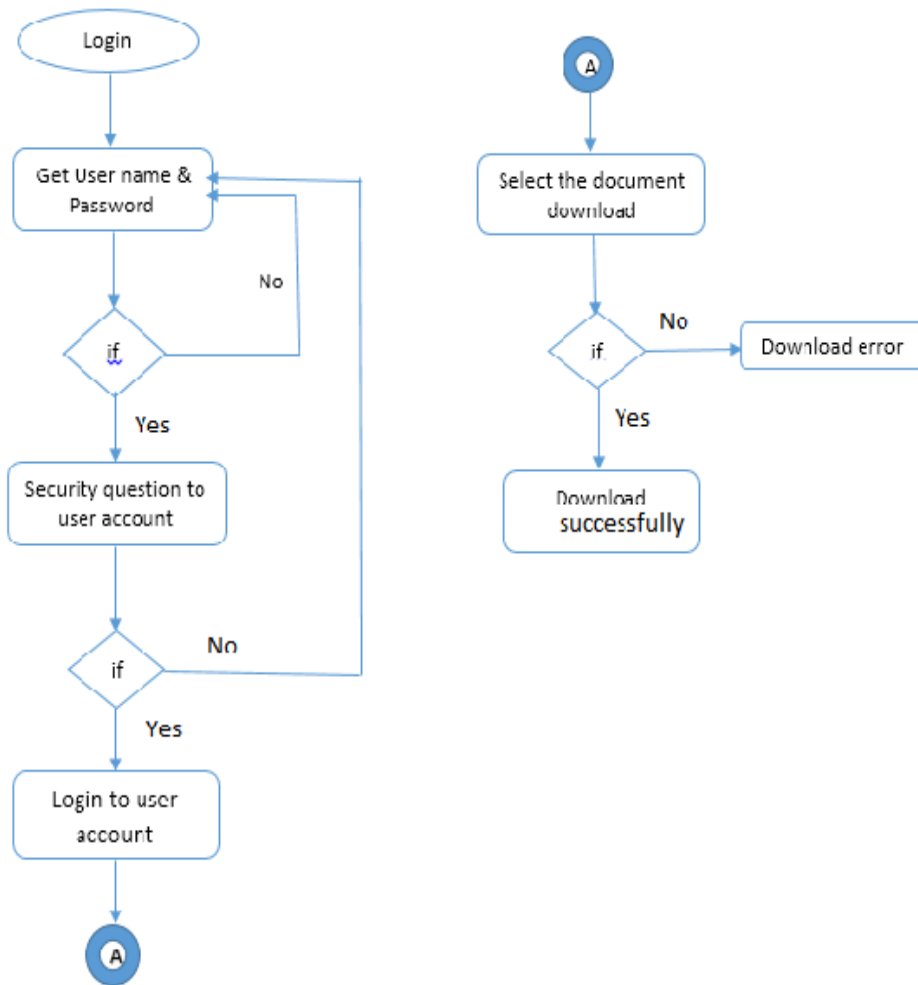


Fig 3: Prevention of non-shared cloud

III. SECURITY ISSUES

When we are creating the own cloud and accessing the data from the different internet services and also we need some data should be uploaded in your service it is connected to the other services it is automatically shared with the other services. We need not to upload each and every service individually is automatically updated every service. In we cloud our data lost we need not worry about because the copy of the data is available in every service. When we are getting the data or sharing at the meanwhile it may be chances to lose the data and hacking the data is possible when the user does not know. The protection is very less when we have own cloud. For this concern we are creating a module for internet services which is giving the protection of these data based on some encryption and decryption algorithms. Initially we are uploading the pictures videos and images in our cloud if we want to share our things means we establish a link between the other network services it will be automatically shared. For example Sam is having a own cloud and he is an authorized user his having own ID he wants to upload the pictures in his cloud ,and make links to other network services the copy of his data is stored in other services. Suppose his friend want to share his data means he cannot be accessed because he is not having a separate id for this is the purpose for creating the own storage cloud if it is a normal cloud means anyone can access the data and shared the resources only they pay for the usage of software. But here it is possible to create a unique id for every user and accessing the data and sharing the data.

We are suggesting some ideas for preventing confidential data's from hackers. Here we are dividing the three different types of accessed for accessing this application they are authorized user, unauthorized user and hackers. Whenever any type of user login into this page, the server will be asked the queries randomly. If they answered correctly then only it allowed to access the data. This is the overview idea of securing this application. Now we detail describe about this design (fig 3).

IV. IMPLEMENTATION

In this own storage cloud, the authorized user can only access the data and shared the data. Others cannot be accessed, before going to be accessing the data, initially the user have to login the page, after login one page will be displayed on the screen. In these a set of queries is present. These queries have been set by the user and put it in the database and respective answer also be stored in the database. Here we used the RSA algorithm for encrypting and decrypting method on the answer. The authorized user only knows the questions and the answers. The user sending the answer in encrypted manner it automatically decrypted and matching the word with already existing if it matches then only pass it into other

queries at the same time we set the session for each and every query within that time we have to answer is again we go to make the initial process repeatedly. This is the efficient method, the hackers cannot be able to access the data if they know the username and password, it is very complexity one to do this process for hackers.

V. CONCLUSION

In this paper we are discussing about how to save and maintain the personal data in own data storage detail that spreads over the different internet services. It is designed for the different related users such as computer scientists and students. It mainly used to make simple for the management and e combining the data and offers the user defined file visions through adaptable tag, provide an easy way to join the new internet services through a real file system interface and we suggested an idea for security purpose in this paper for preventing the data.

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