

Cloud Management System with Remote URL Upload

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Abstract— Cloud storage is a model of data storage in which the digital data is stored in logical pools, the physical storage spans multiple servers (and often locations), and the physical environment is typically owned and managed by a hosting company. These cloud storage providers are responsible for keeping the data available and accessible, and the physical environment protected and running. People and organizations buy or lease storage capacity from the providers to store user, organization, or application data. The Most annoying thing if you are a publisher of a blog or a website or simply want to share a file from the internet you first have to download the file to your hard-drive and then upload to the file hosting company like Google, Dropbox, etc. This thing takes up too much time plus if you are on limited bandwidth plan and also causes excessive data usage. CMS and Remote URL transfers the files directly from the internet to the file host. Google don't have any issue with you in activity and they give you maximum space. But they don't support direct file upload or URL upload .The registered user just simply has to put the URL of the file he wants to upload in the CMS and Remote Url and then click on Upload to Google Drive.

Key words: Cloud Storage, CMS and Remote URL

I. INTRODUCTION

Cloud computing, often referred to as simply “the cloud,” is the delivery of on-demand computing resources everything from applications to data centers over the internet on a pay-for-use basis. Cloud-based applications or software as a service run on distant computers “in the cloud” that are owned and operated by others and that connect to users’ computers via the internet and, usually, a web browser.

A. Modules and their Description

- Create new apps and services
- Store, back up and recover data
- Host websites and blogs
- Stream audio and video
- Deliver software on demand
- Analyse data for patterns and make predictions

B. Description

The Most annoying thing if you are a publisher of a blog or a website or simply want to share a file from the internet You first have to download the file to your hard-drive and then upload to the file hosting company like Google. This thing takes up too much time plus if you are on limited bandwidth plan then it will make you grab your hair one by one and pull them out because of the excessive data usage.

Wouldn't that be awesome if you somehow transfer the file directly from the internet to the file host and then share it with all the friends or colleagues? The answer is yes and it is called Remote Url or file upload. Many Cloud hosting sites offer such option but they delete the file after some time because of inactivity. Then the real or original file is lost and you have to re download and then re upload and do the whole procedure again and again for all or the inactive files. But

most companies like Google don't have any issue with you in activity and they give you maximum space. But they don't support direct file upload or URL upload. So what can you do? Do the procedure of downloading and uploading and then sharing or find an alternative? The Alternative is here.

II. PROPOSED ARCHITECTURE

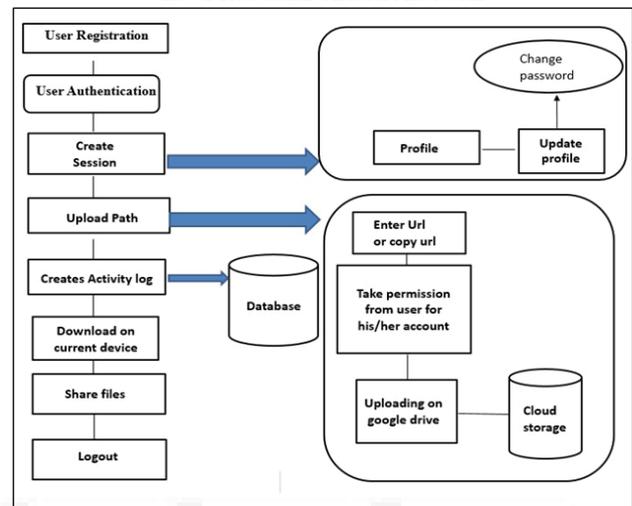


Fig. 1.1: Architecture of Remote URL Upload

A. Proposed System

A web-based system to provide an interface for upload remote files on cloud storage and that interface will be user familiar and easy to use.

It aims to put multiple cloud drives into one place and management them without shifting from one cloud to another.

III. HARDWARE REQUIREMENT

- Memory: 40GB
- RAM: 2GB
- Monitor
- Standard Keyboard
- Mouse

IV. SOFTWARE REQUIREMENT

- Operating system: Windows 7/8
- Microsoft visual studio
- Microsoft SQL server

A. Advantages

- 1) It is easy and fast to upload files from remote storages directly to target clouds through URL links.
- 2) User do not have to first download target files from its source place to local storage disk and then upload from local to destination.
- 3) If it is a task of moving files from one cloud to another, just share and generate links of files to be moved, then upload these files from the shared links to target cloud.

- 4) Google Drive its own file upload feature can only upload files from local devices, thus, we need a remote URL upload free software to help us do the task.
- 5) It aims to put multiple cloud drives into one place and management them without shifting from one cloud to another.
- 6) If the task failed due to some reason, just click “Retry” to do it once again. If this still not work, you can “Delete” the task, re-add the URL and retry.
- 7) Besides upload file via URL, it can also transfer, sync and backup data among cloud drive storages.
- 8) It reduces time to load file in Cloud storage.
- 9) It also reduce user’s bandwidth usage if in limited data plan, because we don’t need to first download the file from source and then upload it on cloud.

B. Disadvantage

- 1) It can only upload file from URL one time for one file.
- 2) If there are many files waiting to be uploaded, you need a plenty of time.
- 3) As it is a web based application it is useless without internet connection.

V. CONCLUSION

Our project actually uploads the files which are resided on the remote link. We used .NET technology for developing the project. Also we used CSS and JavaScript for designing and scripting. Our project is storing the uploaded files on an existing cloud provider. It also categorizes the uploaded files by their file type.

User can also manage their account easily like update profile, change password and change profile image. It will show you the activity log about what you have uploaded. If uploading failed by some reason then it will show the failed files activity log also.

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