

*Topic: Cloud Storage Cluster*

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*Problem Background:*

- Throughout the Covid-19 pandemic the use of multiple online applications to allow the continuity of daily tasks has incremented substantially. This includes cloud storage systems such as Google Drive, Microsoft Sharepoint, Microsoft OneDrive, etc.
- Many institutions such as the UPR have access to the services provided by these applications. These applications are then given access to their subsidiaries (students, teachers, admin) to continue their corresponding assignments.
- An oversaturation of multiple platforms ensues the loss of coordination between the users and their files, becoming a detriment rather than an advantage, and the problem expands with the addition of more

*Countermeasures:*

1. Allows the user to sync to all their required cloud storage accounts simultaneously from a single account
2. Allows the immediate synchronization of files and folders and their shareability through an organization and individuals linked to the user
3. Reduces the time and complexity needed to access multiple sites and memorize their credentials if they are different

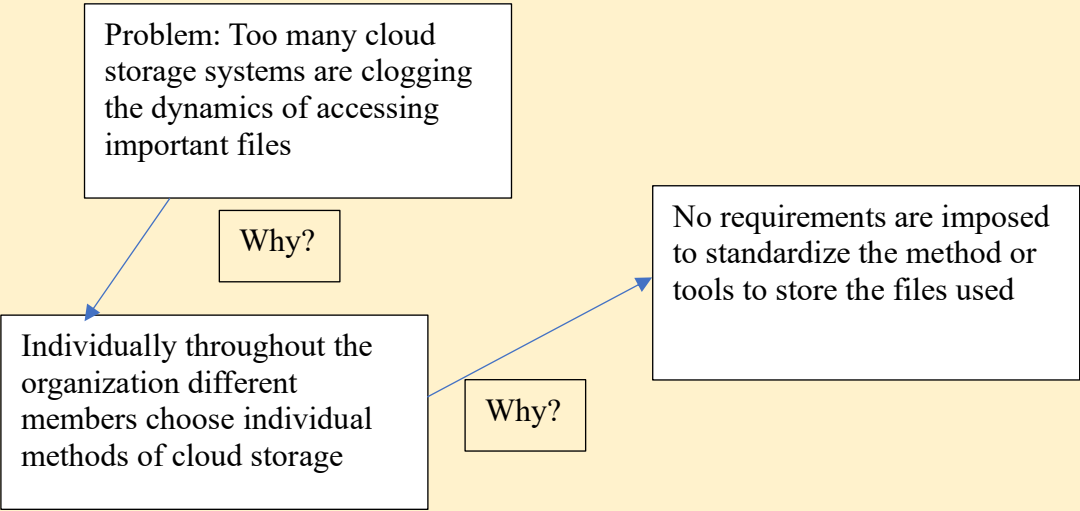
*Check/Evaluate:*

- The project’s success will be evaluated by analyzing if there is an increase in the traffic through the application’s API rather than through the individual cloud-based systems
- Failure of the project will be determined if the traffic through the API doesn’t resemble a substantial population of members of the organizations abiding through it

*Target:*

- The goal, to be achieved by May 4<sup>th</sup>, 2022 is to develop an online platform that allows the user to connect and interact simultaneously with each platform on the same screen, reducing the overwhelming nature and the complexity to organize important files that are used within one user account.

*Causes:*



*Act/Standardize:*

- Feedback from the target users, and the administrators of the organizations will be taken into consideration
- Further expansion of a keychain feature for several other applications related to the target account
- Promote the interface through the IT division of each organization