

Distributed Download System

Functionality

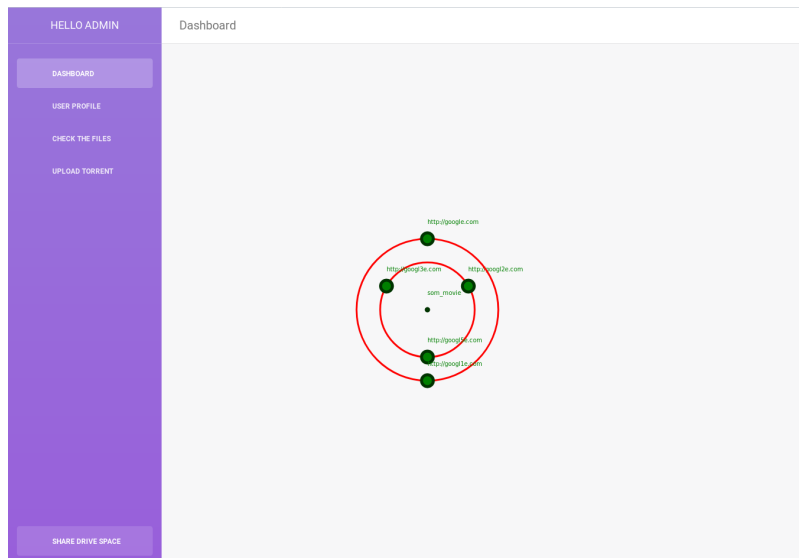
We are dividing the file uploaded by the user and uploading these parts to google drives shared by the user. Files uploaded by users are put in the database till the admin approves it. It is then uploaded to drives which are owned by admins.

Admin can then duplicate these files which are shared to other users and a copy is made in their drive and id of the file is stored in the database.

Uploaded files are displayed to all users, they can copy the link and feed it to the downloader which is given a random hash connecting it to a file instance containing google drive link, as the file is downloaded these hashes are deleted.

Max no of hash are set to 7 to limit the number of users on a single part of file, as the limit is exceeded it shares that part of file and previous link is made invalid until a day (due to limit on download of file possessed by drive).

Admin can display the files uploaded and their number of parts like



Downloader is feeded the link from the dashboard, it receives the hash and each part of file is downloaded in different thread and each part is downloaded using asyncio.