Git Tutorial

Google Drive as Git Host

https://techstreams.github.io/2016/09/07/google-drive-as-simple-git-host/

Overview

I've taken a several month writing hiatus to help plan a wedding. During that time I was able to develop some helpful Google Apps Scripts to assist with event planning which I hope to share in the future. But in this and upcoming posts I want to focus on some personal workflows and tools I use to help me be more productive during script develop.

One such tool … Google Drive … can act as a simple Git host for backup and sharing of personal and collaborative small team script projects.

Let's see how easy this is to set up.

Setup Google Drive for Git Hosting

STEP 1: Download and Install Google Drive for your desktop and ensure Git is installed on your system

STEP 2: Create a Git respository for your project

STEP 3: From inside the project folder, create a 'bare' Git clone of the repository on Google Drive using the following command

git clone --bare . PATH_TO_GOOGLE_DRIVE_SYNC_FOLDER/ANY_SUBFOLDER_PATH/PROJECT_NAME.git

Example: git clone --bare . ~/GoogleDrive/Git/addon.git

STEP 4: Configure a Git remote with the following command

git remote add REMOTE_NAME PATH_TO_GOOGLE_DRIVE_SYNC_FOLDER/ANY_SUBFOLDER_PATH/PROJECT_NAME.git

Example: git remote add gdrive ~/GoogleDrive/Git/addon.git

STEP 5: Push/Pull project changes to/from the remote … changes will sync with Google Drive

Example: git push gdrive master

or

Example: git pull gdrive master

Share a Google Drive Hosted Git Project

To share a Google Drive hosted Git project with collaborators:

STEP 1: Share the Git repostitory folder with the collaborator(s) on Google Drive

Each collaborator should then:

STEP 2: Download and install Google Drive for desktop and ensure that Git is installed on their system

STEP 3: Sync the shared Git project folder to their local Google Drive

STEP 4: Execute the Git clone command for the shared project

git clone PATH_TO_GOOGLE_DRIVE_SYNC_FOLDER/ANY_SUBFOLDER_PATH/PROJECT_NAME.git

Example: git clone ~/GoogleDrive/Git/addon.git

STEP 5: Configure a Git remote for the shared project with the following command

git remote add REMOTE_NAME PATH_TO_GOOGLE_DRIVE_SYNC_FOLDER/ANY_SUBFOLDER_PATH/PROJECT_NAME.git

Example: git remote add gdrive ~/GoogleDrive/Git/addon.git

STEP 6: Push/Pull project changes to/from the remote … changes will sync with Google Drive

Example: git push gdrive master

or

Example: git pull gdrive master

 BEST PRACTICE - If sharing the Git repository, collaborators should coordinate 'push' and 'pull' operations so as not to have sync conflicts which could leave the Git repository in an unstable state.

Google App Scripts

[19 most useful Google App Scripts](#)

[5 Tutorials to create script](#)

Host a Website on Google Drive

- [Host Static Website on Google Drive](#)

What it does:

•Host any static website including files like HTML, CSS, JS, image, podcast, etc on Google Drive. (Drive can't be used to serve dynamic sites like those using PHP or Java backends.)

Use Case Scenario:

This script is useful when you don't wish to buy a hosting plan or domain for your site. It's completely free of charge and Google's servers are a lot faster than many hosting providers in the world.

Django Google Drive

- [Django Google Drive Storage](#)

You can use only a Drive dedicated to a Google Project.

This means that:

- •this storage interacts with Google Drive as a Google Project, not a Google User.
- •your project can use Google Drive only through Google Drive SDK. Because no user is associated with this Drive, you cannot use Google Drive User Interface.
- •this storage authenticates with Google using public private keys. See prerequisites for how to obtain it.

Having stated that, with this storage you gain a 15GB space hosted on Google Server where you are able to store data using Django models.

GitHub Pages

https://github.com/jhu-ep-coursera/fullstack-course4/blob/master/FAQ.md#q-where-is-the-launch-automatic-page-generator-button-the-page-looks-different-than-what-is-shown-in-the-video