

Google App Scripts to the Rescue!



Mark Vogelgesang

Sept 7, 2017

A Google App What?!

- Like an old school Microsoft Office macro but way better
- Written in JavaScript!
- Building block for extensions
- Create menus, sidebars, and automated processes
- Connect Google Suite apps to one and other
 - Calendar
 - Docs
 - Forms
 - Gmail
 - Maps
 - Sites



Some Examples

- Form to Calendar Invite Automation
- Custom spreadsheet functions
- Google Drive Folder Auditing
- Autogenerated Team Vacation Calendars
- Mail Merge
- Compile Google Analytics Stats
- Consume External API Data
- Form-based triggers



Script Scopes



The screenshot shows a Google script permission dialog box. At the top is the Google logo. Below it, the user is identified as 'Hi Mark' with the email 'mark.vogelgesang@gsa.gov'. The dialog is titled 'Folder Evaluator wants to' and lists two permissions: 'View and manage the files in your Google Drive' and 'View and manage your spreadsheets in Google Drive'. Each permission has an information icon to its right. Below the permissions, there is a section titled 'Allow Folder Evaluator to do this?' with a warning that clicking 'Allow' grants access to account information. At the bottom, there are two buttons: 'CANCEL' and 'ALLOW'.

- Script will always tell you what type of access it is getting
- You should not run scripts that are not approved or come from someone you do not know
- Clicking “Folder Evaluator” will tell you who developed the script
- If all is good, click, **Allow**



Publishing Your Script

- If you have a script you have developed and wish to use in the GSA environment, please submit it for review, using the [Google App Script Approval Form](#).
- Make sure the script name follows the naming conventions mentioned in [CIO IL-16-01](#) (e.g., GSA_ 2 Letter Service/Staff Office Designation_Script Name, GSA_IS_Script Name); and
- Make sure the script has been executed at least once under that name.
- If you do not submit a script for approval or use an unauthorized script, you may receive a CloudLock notification informing you that an application is being restricted.

From: <https://insite.gsa.gov/googleappscripts>



Demo

[folder evaluator](#)

Resources



GSA

- <https://insite.gsa.gov/googleapps-scripts>
- [CIO IL-16-01 Policy for OAuth 2.0 Integration with GSA.gov Accounts](#)

Google

- <https://developers.google.com/apps-script/>