

# Google Editor Add-on Deployment Documents, Sheets and Slides

---

## Google App Script Project Creation and Configuration

This section describes how to create and configure a Google App Script project.

1 Go to <https://script.google.com> and select **Create new App Script Project** to create the following three projects:

- Accellion Document
- Accellion Spreadsheet
- Accellion Slide

**Note** In case you are not able to create script project, check **Settings > Turn on Google App Script API**.

2 Click **View** and select **Show Manifest File**.

3 Write the **Add-on** code. Examples for Accellion Document, Spreadsheet and Slides are given below.

### Accellion Document

Perform the following 2 steps to create an Accellion Document:

1 Add the code given below to this **Code.js** script.

#### Code.gs

```
// Creating Menu Buttons using Respectate UI API of the App.
function onOpen(e) {
    var addonMenu = DocumentApp.getUi().createAddonMenu()
    addonMenu
        .addItem('Send using Accellion', 'sendViaAccellion')
        .addToUi();

    addonMenu
        .addItem('Share copy using Accellion', 'shareViaAccellion')
        .addToUi();
}

// This is a trigger function, which get's called every time the Google Doc is opened
and the Addon menus are added.
function onInstall(e) {
    onOpen(e);
}

function getRedirectionTemplate(activity) {
    var googleToken = ScriptApp.getOAuthToken();
    var docId = DocumentApp.getActiveDocument().getId();
    var scriptProperties = PropertiesService.getScriptProperties();
```

```

var domain = scriptProperties.getProperty('accellion_domain');
var redirectionURL = domain + '/gdrive/' + activity + '?state={"ids":["'+ docId
+ '"],"action":"open","access_token":"' + googleToken + '" ,"action_by": "gdoc"}';
var encodedURL = encodeURI(redirectionURL);
var html = "<script>window.location.href='"+ encodedURL + "';</script>"
var template = HtmlService.createTemplate(html);

return template;
}

function sendViaAccellion() {
var pageData= getRedirectionTemplate('send').evaluate()
.setSandboxMode(HtmlService.SandboxMode.IFRAME)
.setXFrameOptionsMode(HtmlService.XFrameOptionsMode.ALLOWALL)
.setTitle('Send using Accellion');

DocumentApp.getUi().showSidebar(pageData);
}

function shareViaAccellion() {
var pageData= getRedirectionTemplate('copy').evaluate()
.setSandboxMode(HtmlService.SandboxMode.IFRAME)
.setXFrameOptionsMode(HtmlService.XFrameOptionsMode.ALLOWALL)
.setTitle('Share copy using Accellion');

DocumentApp.getUi().showSidebar(pageData);
}

```

## 2 Add the following code to **appscript.json**.

```

{
  "timeZone": "Asia/Hong_Kong",
  "oauthScopes": [
    "https://www.googleapis.com/auth/presentations",
    "https://www.googleapis.com/auth/userinfo.email",
    "https://www.googleapis.com/auth/drive.file",
    "https://www.googleapis.com/auth/drive.metadata",
    "https://www.googleapis.com/auth/drive",
    "https://www.googleapis.com/auth/script.container.ui"
  ],
  "dependencies": {
  },
  "exceptionLogging": "STACKDRIVER",
  "webapp": {
    "access": "DOMAIN",
    "executeAs": "USER_ACCESSING"
  }
}

```

## Accellion Spreadsheet

Perform the following to create Accellion Spreadsheet:

### 1 Add the code given below to this **Code.js** script.

#### Code.gs

```

// Creating Menu Buttons using Respectate UI API of the App.
function onOpen(e) {
var addonMenu = DocumentApp.getUi().createAddonMenu()
addonMenu
.addIttem('Send using Accellion', 'sendViaAccellion')
.addToUi();

addonMenu
.addIttem('Share copy using Accellion', 'shareViaAccellion')
.addToUi();
}

```

```

}

// This is a trigger function, which get's called every time the Google Doc is opened
and the Addon menus are added.
function onInstall(e) {
  onOpen(e);
}

function getRedirectionTemplate(activity) {
  var googleToken = ScriptApp.getOAuthToken();
  var docId = DocumentApp.getActiveDocument().getId();
  var scriptProperties = PropertiesService.getScriptProperties();
  var domain = scriptProperties.getProperty('accellion_domain');
  var redirectionURL = domain + '/gdrive/' + activity + '?state={"ids":["'+ docId
+ '"],"action":"open","access_token":"' + googleToken + "','action_by": "gdoc"}';
  var encodedURL = encodeURI(redirectionURL);
  var html = "<script>window.location.href='"+ encodedURL +"'</script>"
  var template = HtmlService.createTemplate(html);

  return template;
}

function sendViaAccellion() {
  var pageData= getRedirectionTemplate('send').evaluate()
  .setSandboxMode(HtmlService.SandboxMode.IFRAME)
  .setXFrameOptionsMode(HtmlService.XFrameOptionsMode.ALLOWALL)
  .setTitle('Send using Accellion');

  DocumentApp.getUi().showSidebar(pageData);
}

function shareViaAccellion() {
  var pageData= getRedirectionTemplate('copy').evaluate()
  .setSandboxMode(HtmlService.SandboxMode.IFRAME)
  .setXFrameOptionsMode(HtmlService.XFrameOptionsMode.ALLOWALL)
  .setTitle('Share copy using Accellion');

  DocumentApp.getUi().showSidebar(pageData);
}

```

## 2 Add the following code to **appscript.json**.

```

{
  "timeZone": "Asia/Hong_Kong",
  "oauthScopes": [
    "https://www.googleapis.com/auth/spreadsheets",
    "https://www.googleapis.com/auth/userinfo.email",
    "https://www.googleapis.com/auth/drive.file",
    "https://www.googleapis.com/auth/drive.metadata",
    "https://www.googleapis.com/auth/drive",
    "https://www.googleapis.com/auth/script.container.ui"
  ],
  "dependencies": {
  },
  "exceptionLogging": "STACKDRIVER",
  "webapp": {
    "access": "DOMAIN",
    "executeAs": "USER_ACCESSING"
  }
}

```

## Accellion Slide

Perform the following to create Accellion Spreadsheet:

- 1 Add the code given below to this **Code.js** script.

### Code.gs

```
// Creating Menu Buttons using Respectate UI API of the App.
function onOpen(e) {
    var addonMenu = SlidesApp.getUi().createAddonMenu()
    addonMenu
        .addItem('Send using Accellion', 'sendViaAccellion')
        .addToUi();

    addonMenu
        .addItem('Share copy using Accellion', 'shareViaAccellion')
        .addToUi();
}

// This is a trigger function, which get's called every time the Google Doc is opened
and the Addon menus are added.
function onInstall(e) {
    onOpen(e);
}

function getRedirectionTemplate(activity) {
    var googleToken = ScriptApp.getOAuthToken();
    var docId = SlidesApp.getActivePresentation().getId();
    var scriptProperties = PropertiesService.getScriptProperties();
    var domain = scriptProperties.getProperty('accellion_domain');
    var redirectionURL = domain + '/gdrive/' + activity + '?state={"ids":["'+ docId
+ '"],"action":"open","access_token":"' + googleToken + "','action_by": "gslide"}';
    var encodedURL = encodeURI(redirectionURL);
    var html = "<script>window.location.href='"+ encodedURL +"'</script>"
    var template = HtmlService.createTemplate(html);

    return template;
}

function sendViaAccellion() {
    var pageData= getRedirectionTemplate('send').evaluate()
    .setSandboxMode(HtmlService.SandboxMode.IFRAME)
    .setXFrameOptionsMode(HtmlService.XFrameOptionsMode.ALLOWALL)
    .setTitle('Send using Accellion');

    SlidesApp.getUi().showSidebar(pageData);
}

function shareViaAccellion() {
    var pageData= getRedirectionTemplate('copy').evaluate()
    .setSandboxMode(HtmlService.SandboxMode.IFRAME)
    .setXFrameOptionsMode(HtmlService.XFrameOptionsMode.ALLOWALL)
    .setTitle('Share copy using Accellion');

    SlidesApp.getUi().showSidebar(pageData);
}

```

- 2 Add the following code to **appscript.json**.

```
{
  "timeZone": "Asia/Hong_Kong",
  "oauthScopes": [

```

```

"https://www.googleapis.com/auth/presentations",
"https://www.googleapis.com/auth/userinfo.email",
"https://www.googleapis.com/auth/drive.file",
"https://www.googleapis.com/auth/drive.metadata",
"https://www.googleapis.com/auth/drive",
"https://www.googleapis.com/auth/script.container.ui"
],
"dependencies": {
},
"exceptionLogging": "STACKDRIVER",
"webapp": {
  "access": "DOMAIN",
  "executeAs": "USER_ACCESSING"
}
}

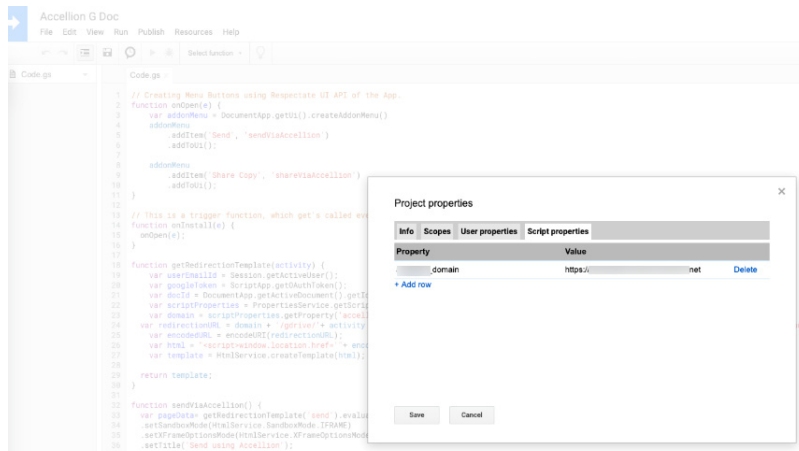
```

## Setting Project Scope for Each Project

Perform the following steps to set the project scope for each project:

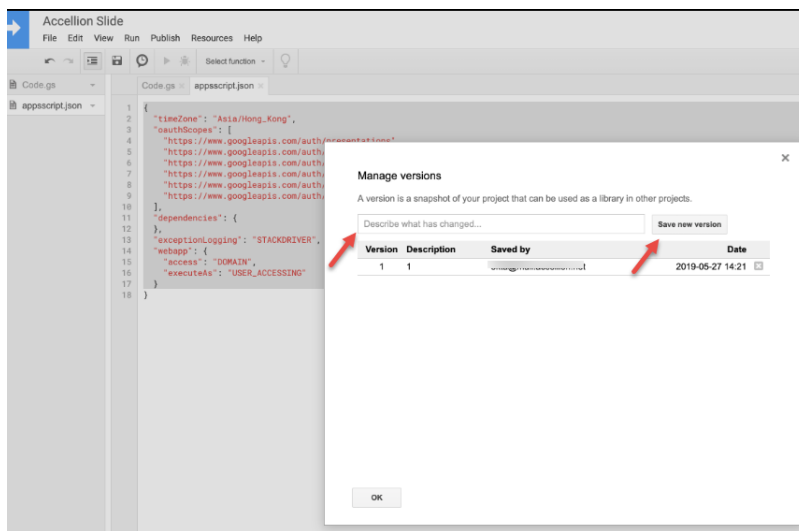
- 1 Click **File** and select **Project Properties** to set the project scope properties for each project as shown below.

accellion\_domain: <KITEWORKS\_DOMAIN\_URL>



- 2 Create a version for each App script project. Click **File** and select **Manage Versions** to create a version.

Provide a description and click **Save new version**. This will be used when configuring the Google Cloud platform project for the respective Add-on.



## Google Cloud Platform Configurations

Configure the Google Cloud Platform project for to make the Editor Add-on available on the G Suite marketplace. As publishing on the Chrome Web Store also publishes it to the G Suite Marketplace, only a few fields specific to the G Suite Marketplace have to be configured in the GCP console.

After creating and configuring the script, a Google Cloud Platform project will need to be created for each script at this site <https://console.developers.google.com>.

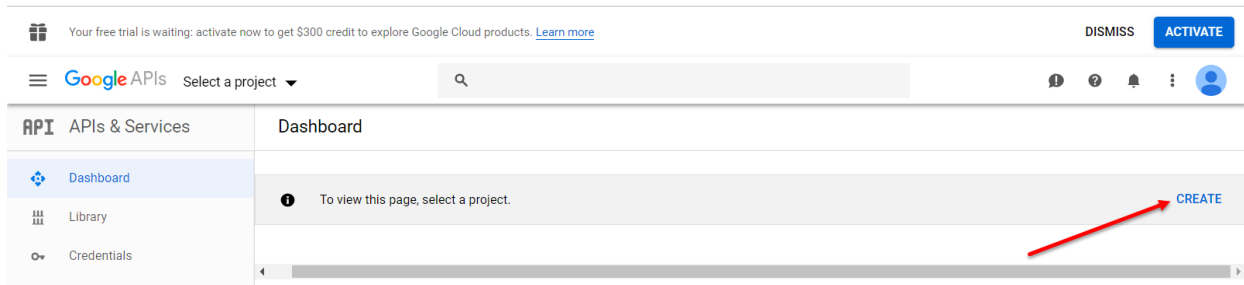
Create three separate projects with the following names:

- Accellion GDocs Add-on
- Accellion GSlides Add-on
- Accellion GSpreadsheets Add-on

### Creating a Project

Create Apps in the **Google APIs Dashboard**. Perform the following steps to create an App.

- 1 Go to the Google console to create your project at <https://console.cloud.google.com/>.
- 2 In the Google dashboard, click **Create**.



- 3 The **New Project** window displays. Define your project, give it a **Project Name** and select the **Location** where you would like to save this project. Click **Create**.

 A screenshot of the 'New Project' form in the Google Cloud Platform console. The form includes a warning about project quotas, a 'Project name' field with the value 'Accellion GDocs Add-on', a 'Project ID' field with the value 'accellion-gdocs-add-on-245001', an 'Organization' field with the value 'accellion.net', and a 'Location' field with the value 'us-central1'. There are 'CREATE' and 'CANCEL' buttons at the bottom.

- 4 Your new project displays under **Notifications**.

### Configuring the OAuth Consent Screen

The credentials for OAuth consent screen need to be configured. The consent screen tells your users who is requesting access to their data and what kind of data is being accessed.

On the Google Cloud Platform Console select the project created for the Add-on at: <https://console.developers.google.com>

The OAuth Consent screen will need to be configured for each project. For example to configure the Accellion GDocs Add-on perform the following steps:

- 1 Select **Accellion GDocs Add-on**
- 2 Select **API & Services**
- 3 Select **Credentials**
- 4 Select **OAuth Consent screen**

Repeat above steps for **Accellion GSpreadsheets Add-on** and **Accellion GSlides Add-on**.

The screenshot shows the Google APIs console interface. The top navigation bar includes the Google APIs logo and the current project name, 'Accellion Spreadsheet Add-on'. The left sidebar contains navigation options: Dashboard, Library, and Credentials (which is selected). The main content area is titled 'Credentials' and displays the configuration for the 'Accellion Spreadsheet Add-on'.

**Verification status:** Needs verification.

**Application name:** The name of the app asking for consent. The value is 'Accellion Spreadsheet Add-on'.

**Application logo:** An image on the consent screen that will help users recognize your app. A 'Browse' button is visible next to the 'Local file for upload' field. The logo image is a circular icon with a yellow and blue design.

**Support email:** Shown on the consent screen for user support. The value is 'okta@mail.accellion.net'.

**Scopes for Google APIs:** Scopes allow your application to access your user's private data. A list of scopes is shown: 'email', 'profile', and 'openid'. An 'Add scope' button is located below the list.

**Authorized domains:** To protect you and your users, Google only allows applications that authenticate using OAuth to use Authorized Domains. The value 'accellion.net' is entered in the field, and a trash icon is visible to its right. Below it, 'example.com' is shown in a text input field with a note: 'Type in the domain and press Enter to add it'.

**scope:** A list of reasons for needing verification:

- Your app displays an icon on its OAuth consent screen
- Your app has a large number of authorized domains
- You have made changes to a previously-verified OAuth consent screen

**Additional text:**

The verification process may take up to several weeks, and you will receive email updates as it progresses. [Learn more](#) about verification.

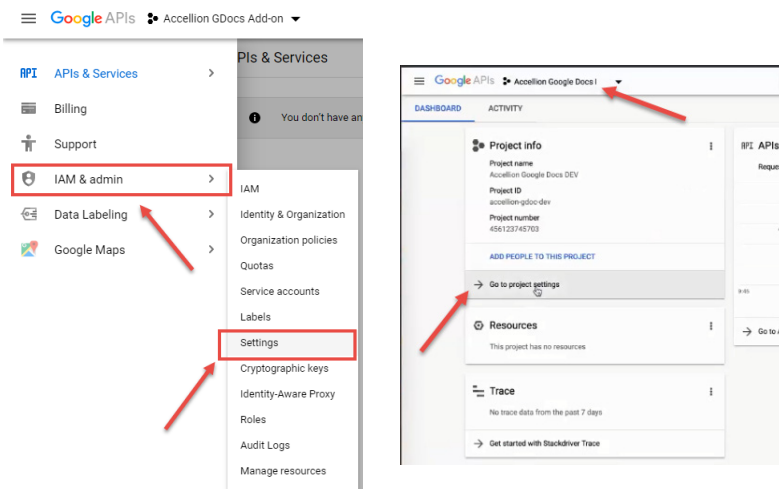
Before your consent screen and application are verified by Google, you can still test your application with limitations. [Learn more](#) about how your app will behave before it's verified.

[Let us know what you think about our OAuth experience.](#)

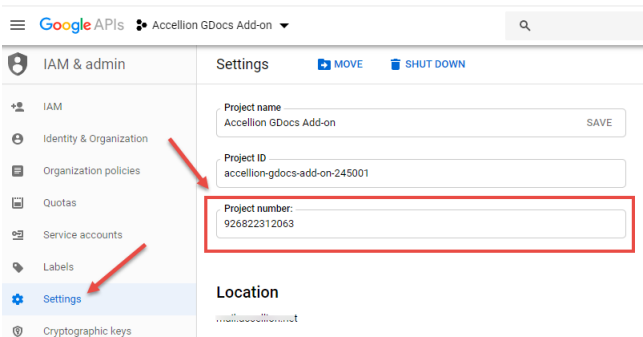
## Associating the Google Cloud Project (GCP) with the Script

Perform the following steps to associate the GCP with the script:

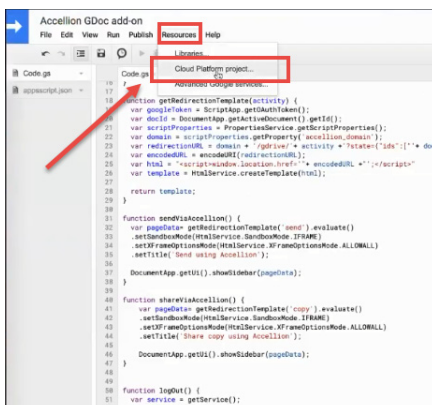
- 1 After the project is created you will need to associate the Google Cloud project with the script. To do so, go to the GCP Console within the specific project and click **IAM & Admin > Settings**. Or select the Project and from the project page select **Go to project settings**.



- 2 The project **Settings** page displays the Project name, Project ID and Project number. The **Project number** from here needs to be linked with the App Script that was created earlier as explained in section [“Google App Script Project Creation and Configuration” on page 3](#). Select the **Project number** and copy it.



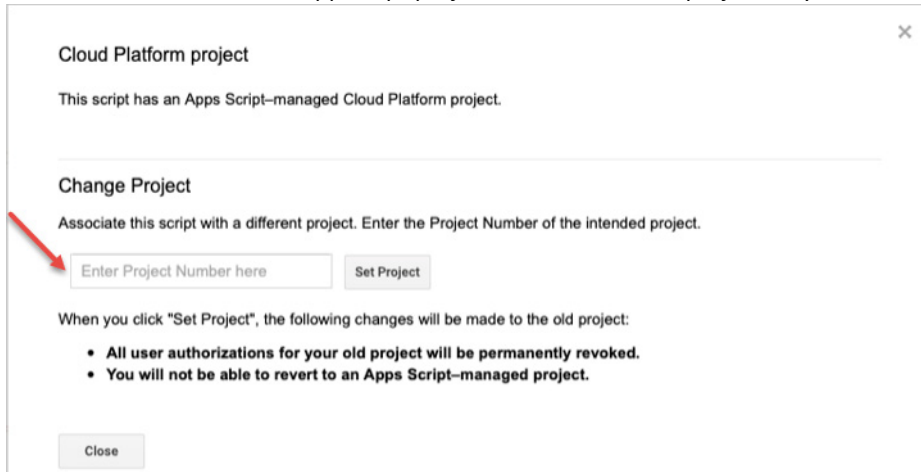
- 3 Got to the App Script project that was created and click on **Resources** and to display the Cloud Platform project widow to create a new GCP.



- 4 Enter the **Project Number** that was copied. Repeat above steps for **Accellion GSpreadsheets Add-on** and **Accellion GSlides Add-on**. Click **Set Project**.



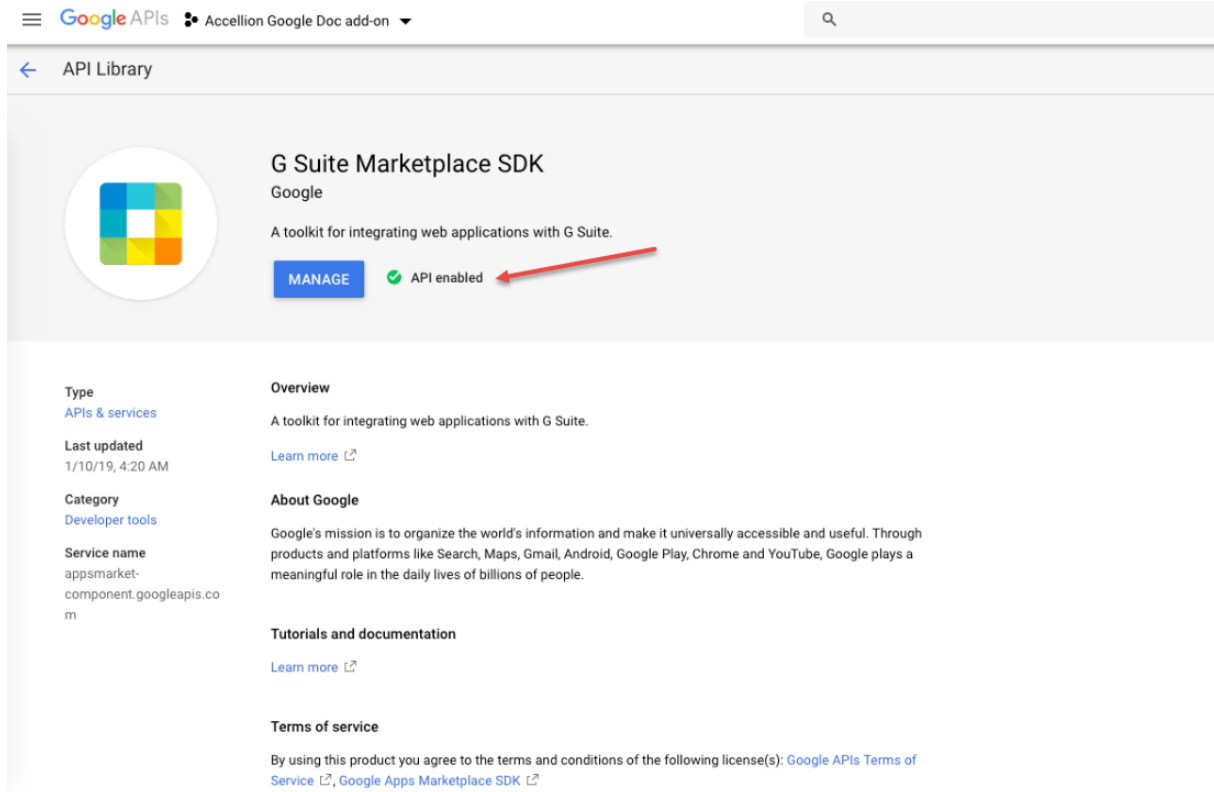
**Note** Associate each App script project with related GCP project only.



### Enable the Project API

Perform the following steps to enable the project API:

- 1 Select **Accellion GDocs Add-on**
- 2 Select **API & Services**
- 3 Select **Library**
- 4 Search for **G Suite Marketplace API**
- 5 Select **Enable API**



Repeat above steps for **Accellion GSpreadsheets Add-on** and **Accellion GSlides Add-on**.

### Enable the Google Drive API

Perform the following steps to enable the Google Drive API from the library:

- 1 Select **Accellion GDocs Add-on**.
- 2 Select **API & Services**.
- 3 Select **Library**.
- 4 Search for **Google Drive API**.
- 5 Select **Enable API**.
- 6 Configure G Suite Marketplace SDK after adding it and the Google Drive API.

### Configuring the G Suite Marketplace SDK

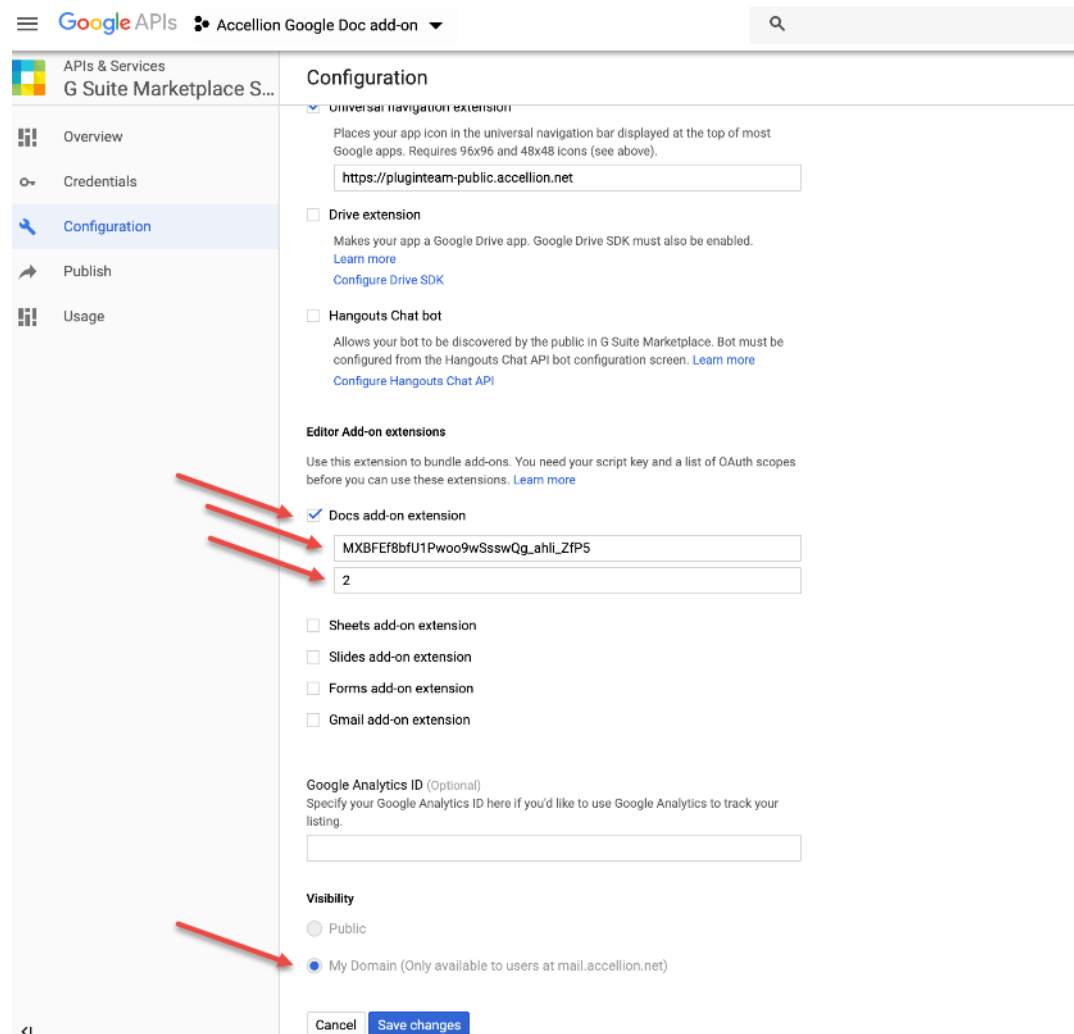
In the Dashboard click **G Suite Marketplace SDK** and select **Configure**. Most of the configurations are the same as the Google Drive project, but one major difference is where the script is linked to the Editor Add on.

Add the Linked Google App Script Id to below fields with the version number which will be published for each type of extension.

Enter the Script Id and version for the respective GCP project and App-Script.

### Accellion GDocs Add-on

The following screen shows the Accellion GDocs Add-on configuration.



### Accellion GSlides Add-on

The following screen shows the Accellion GSlides Add-on configuration.

**Configuration**

**EXTENSIONS**

- Universal navigation extension  
Places your app icon in the universal navigation bar displayed at the top of most Google apps. Requires 96x96 and 48x48 icons (see above).
- Drive extension  
Makes your app a Google Drive app. Google Drive SDK must also be enabled. [Learn more](#)  
[Configure Drive SDK](#)
- Hangouts Chat bot  
Allows your bot to be discovered by the public in G Suite Marketplace. Bot must be configured from the Hangouts Chat API bot configuration screen. [Learn more](#)  
[Configure Hangouts Chat API](#)

**Editor Add-on extensions**

Use this extension to bundle add-ons. You need your script key and a list of OAuth scopes before you can use these extensions. [Learn more](#)

- Docs add-on extension
- Sheets add-on extension
- Slides add-on extension  
1DQw3i8vHJVR89uV5E4m6fTHYMBs1iACPXFxlqgZAvsvSfNqubG3-Fg  
1
- Forms add-on extension
- Gmail add-on extension

**Google Analytics ID (Optional)**  
Specify your Google Analytics ID here if you'd like to use Google Analytics to track your listing.

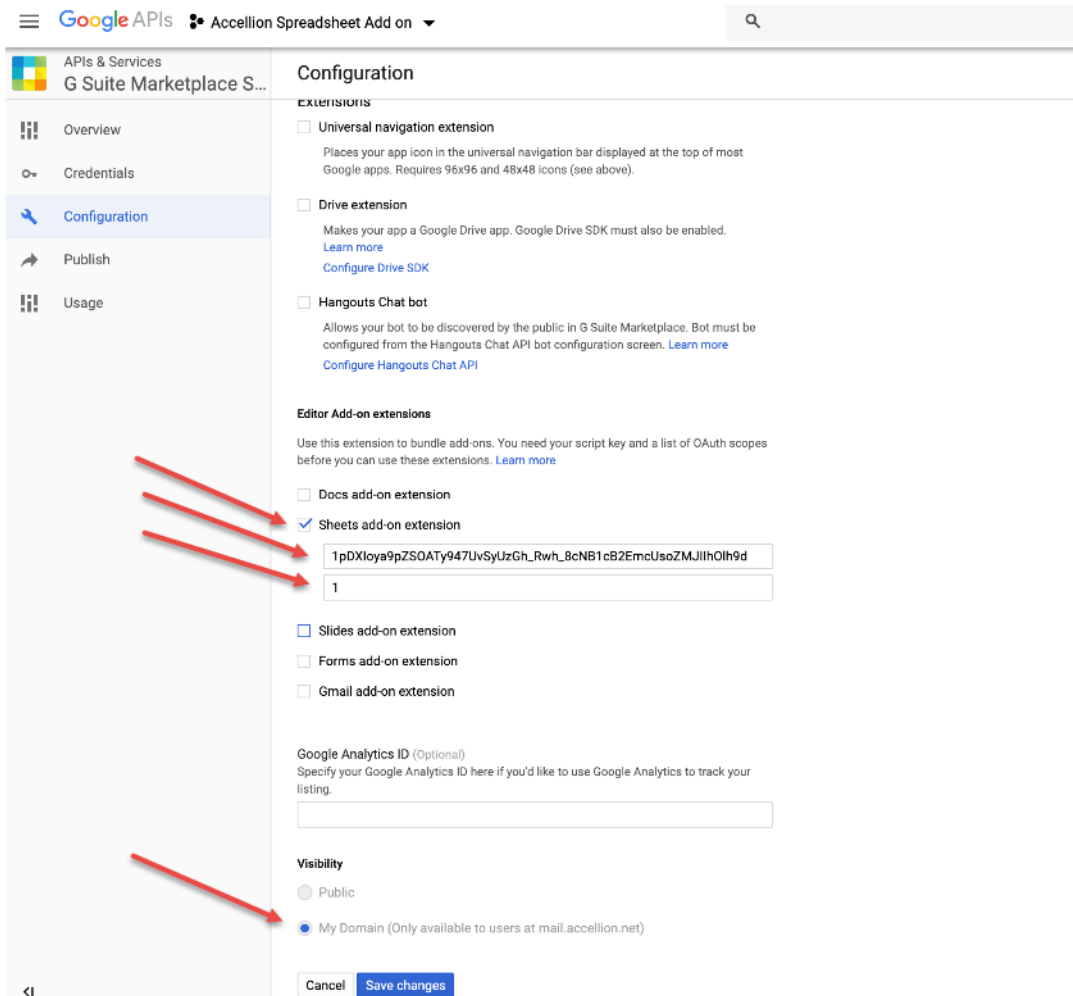
**Visibility**

- Public
- My Domain (Only available to users at mail.accellion.net)

Cancel Save changes

## Accellion GSpreadsheets Add-on

The following screen shows the Accellion GSpreadsheets Add-on configuration.



Create a client-id similar to Google Drive from the Credentials page on the Google console and register it on the Accellion Admin UI. (The steps for this are the same as for Google Drive.)

**Note** More information regarding the credentials for authentication to access the Kiteworks Admin UI is available at:

<https://confluence.accellion.net/pages/createpage.action?spaceKey=EN&fromPageId=37885913>

This completes the G Suite Marketplace Configuration for the Editor Add-on.

## Publishing on Google Chrome Web Store

Publishing on Google Chrome web store is a multi-step process as described below:

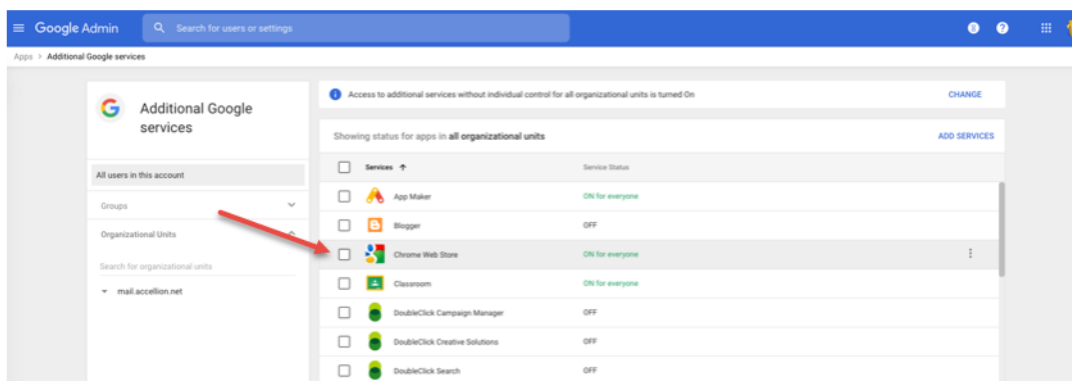
- 1 Finding the project number from the Google Cloud Project (GCP) Console.
- 2 Associating the Google Cloud Project (GCP) with the script.
- 3 Publishing or deploying the Add-on.

## Publishing or Deploying the Add-on

Perform the following steps to deploy each of the three Add-ons.

- 1 Select the **Add-on Type** from the drop-down menu (Docs, Slides and Spreadsheets.)
- 2 Enter a **Title** (Accellion Doc, Accellion Slide and Accellion Spreadsheet.)
- 3 Fill in all the other fields as shown in the screen capture below.

If the Chrome Web Store is not setup, the Admin needs to enable the Chrome Web Store at: <https://admin.google.com/ac/appslist/additional>



After the store is set up, complete all the fields in the Chrome Web store publish editor <https://chrome.google.com/webstore/developer/dashboard> and the related project.

For Domain only publishing, select **Private** and **Only at domain** (Everyone at mail.accellion.net) options as shown below.

Venezuela Vietnam

Google Play For Education  
 Opt in to include this item in Google Play For Education. By opting in, you agree to the Google Play for Education Developer Terms and Conditions.

Language  
 English

Analytics  
 Google Analytics ID UA- (example: 1234567-1)

Visibility options

- Public  
Everyone can see it
- Unlisted  
Only people with the link can see it. Item can also be seen by everyone at mail.accellion.net
- Private  
Only people you select can see it
- Everyone at mail.accellion.net
- Only trusted testers from your developer dashboard  
You can also include members of a Google Group that you own or manage.

Discard draft Save draft and return to dashboard Preview changes Publish changes

Publish the changes and the Editor Add-on is published on the Chrome Web Store.

The Add-on can be installed by the Admin or an individual after it becomes available. The Domain Only private Add-on may take 30 to 60 minutes for it to be available.

## Enabling the kiteworks Server to Communicate with the Google Cloud APIs

Once the settings are configured for all the projects, you will need to enable the kiteworks server with the Google cloud APIs.

To do so, go to **Application > Client Management > kiteworks Applications** and make sure **Accellion for Google Docs**, **Accellion for Google Sheets** and **Accellion for Google Slides** status is turned **ON** as shown below.

Application	kiteworks Applications			Status
Software and Licensing	APPLICATION NAME	SETTINGS		
	Mobile Apps			
Application Settings	Mobile Apps	Access 720 hrs Force Authentication Never Allow Clipboard On		ON
	Desktop Apps			
Authentication and Authorization	Desktop Edit for Mac and Windows	Access 10 hrs Refresh 5 mins		ON
	kiteworks Desktop Client for Mac	Access 720 hrs Refresh 1440 hrs Auto Update Off		ON
Locations Rules	kiteworks Desktop Client for Mac (Legacy)	Access 720 hrs Refresh 1440 hrs		OFF
Client Management	kiteworks Desktop Client for Windows	Access 720 hrs Refresh 1440 hrs Auto Update Off		ON
	kiteworks Desktop Client for Windows (Legacy)	Access 720 hrs Refresh 1440 hrs		OFF
	Plugins			
Custom Applications	Accellion for Google Drive	Access 1 hr Refresh 0 hr		OFF
kiteworks for Office	kiteworks for Office	Access 720 hrs Refresh 1440 hrs Auto Update On		ON
Outlook Desktop Settings	kiteworks for Office Web	Access 720 hrs Refresh 1440 hrs		OFF
Sync Settings	kiteworks for Outlook Desktop	Access 720 hrs Refresh 1440 hrs Auto Update On		ON
Google Plugin/Add On	kiteworks for Outlook Web	Access 720 hrs Refresh 1440 hrs		OFF
Enterprise Content Sources	Others			
	Accellion for Google Docs	Access 1 hr Refresh 0 hr		ON
Appearance	Accellion for Google Sheets	Access 1 hr Refresh 0 hr		ON
Forms	Accellion for Google Slides	Access 1 hr Refresh 0 hr		ON

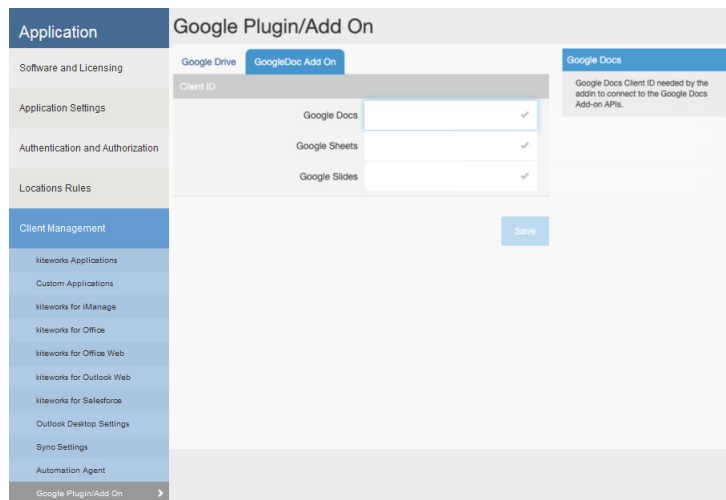
## Deploying the Google Editor Add-on in kiteworks

The Admin can deploy the Google Editor add-ons and add Google Client IDs for each of the following components into kiteworks:

- Google Docs add-on
- Google Sheets add-on
- Google Slides add-on

From your kiteworks server Admin UI and click **Application > Client Management > Google Plugin/Add On**, and click the **GoogleDoc Add On** tab.

Key in the **Client ID** for each project which is generated from the **Google APIs > APIs & Services > Credentials** page of each project and click **Save**.



To control the Google Editors (Docs, Slides and Sheets) Add-on independently, you will need to create a separate Google Cloud Console project for Google Editor Add-on.