



OAUTH 2 CONFIGURATION



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OAuth 2 is an authentication and security procedure created by Google that is used by Esna products to integrate with Google's applications, such as Gmail.

This document is provided as a guideline to setting up OAuth 2 for use with Esna applications.

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OAUTH 2 CONFIGURATION

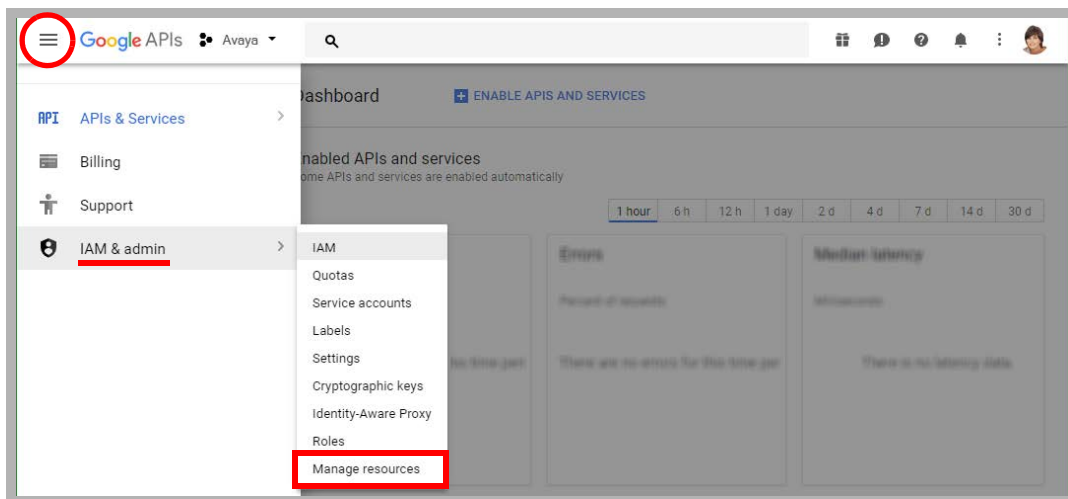
Install and configure OAuth2.0

OAuth 2.0 provides secure user authentication and is required for Gmail to access the messaging servers.

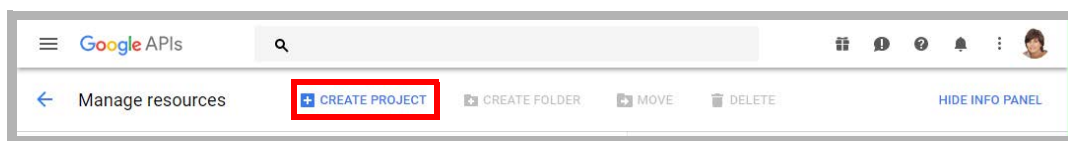


OAuth 2.0 Setup

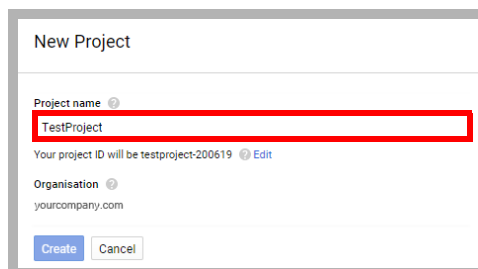
1. Open a web browser and go to <https://console.developers.google.com>. Login using your Google credentials.
2. Click the **Google** menu. Select **IAM & admin > Manage resources**.



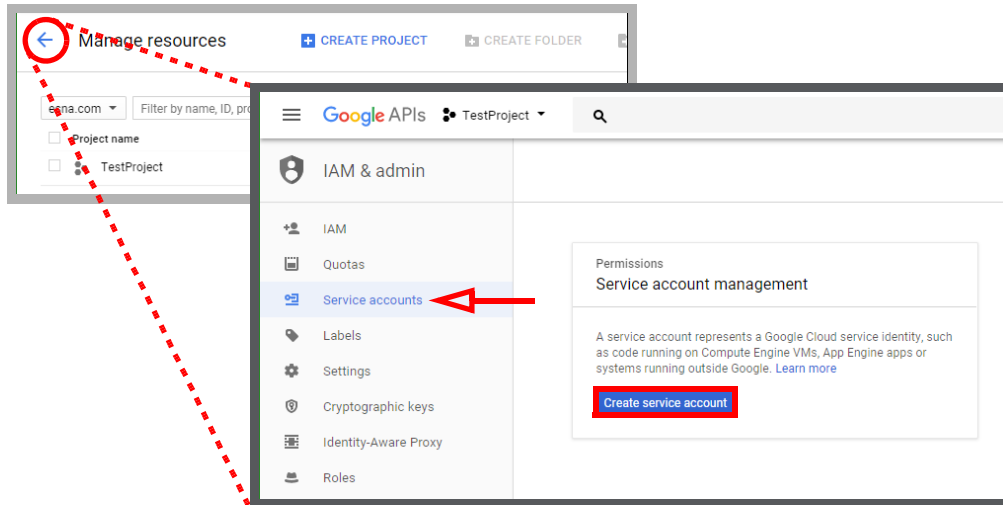
3. Click **Create project**.



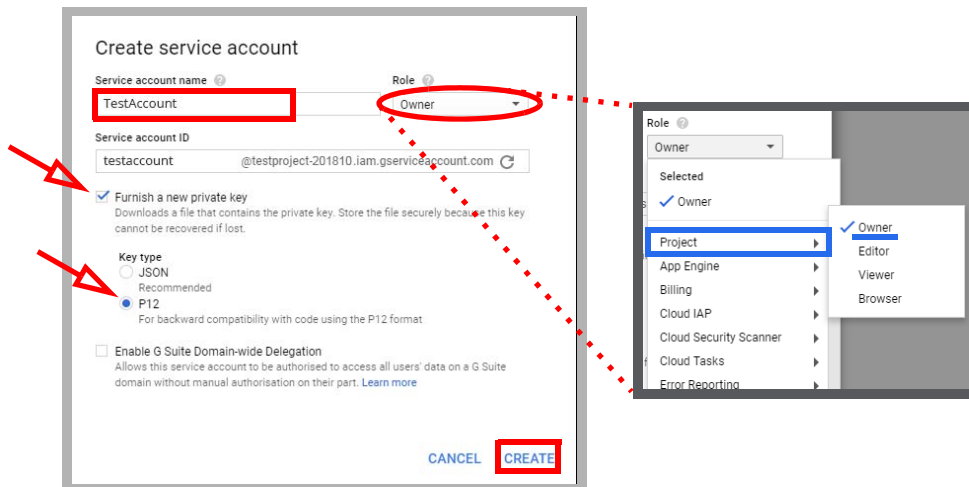
4. Give the new project a name, then click **Create**.



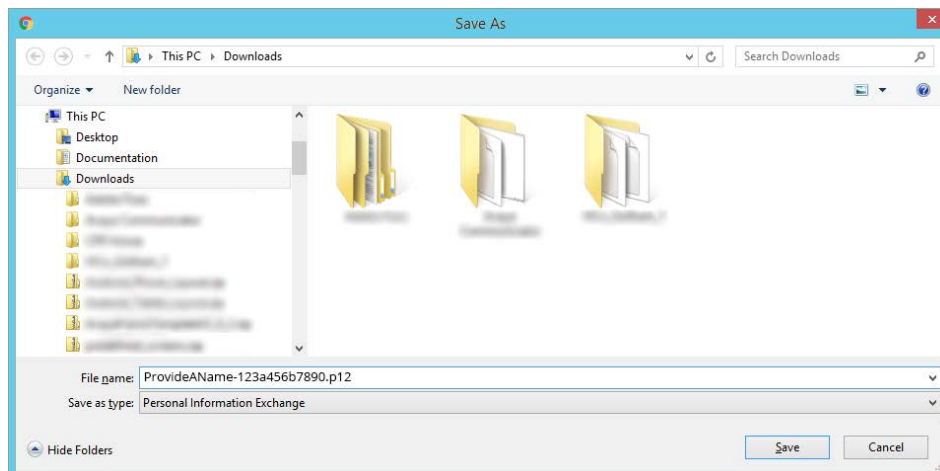
- Return to the **IAM & admin** page, then select **Service accounts**. Click **Create service account**.



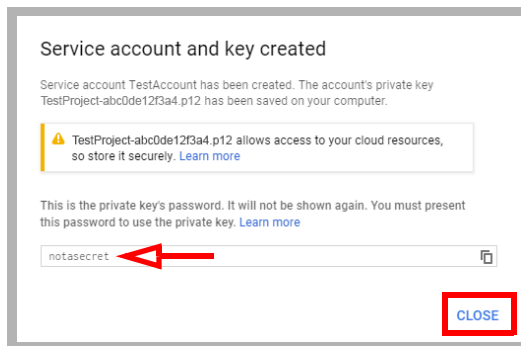
- Give the connection a name. Expand the **Role** menu, then select **Project > Owner**. Click **Furnish a new private key**, then enable **P12**. When ready click **Create**.



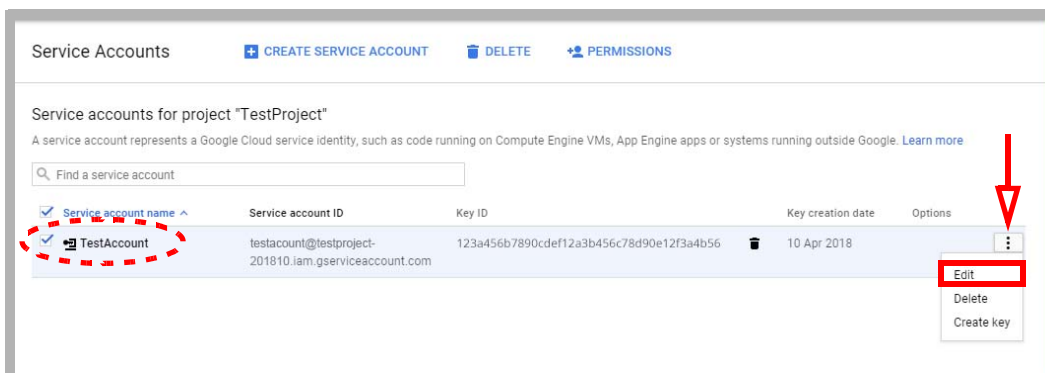
- The project file will be created with a .p12 extension. Make note of where the file is saved. Copy the file to both the **C:\UC\UCCSE** and **C:\UC\IMAPTSE** folders. (Change the path accordingly if your program is installed on a different drive.)



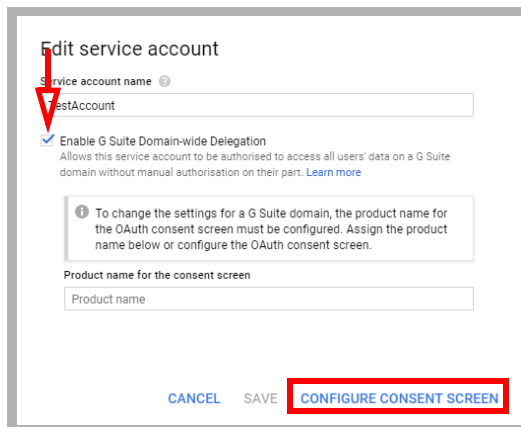
- Record the Private key password (**notasecret**) and click **Close**.



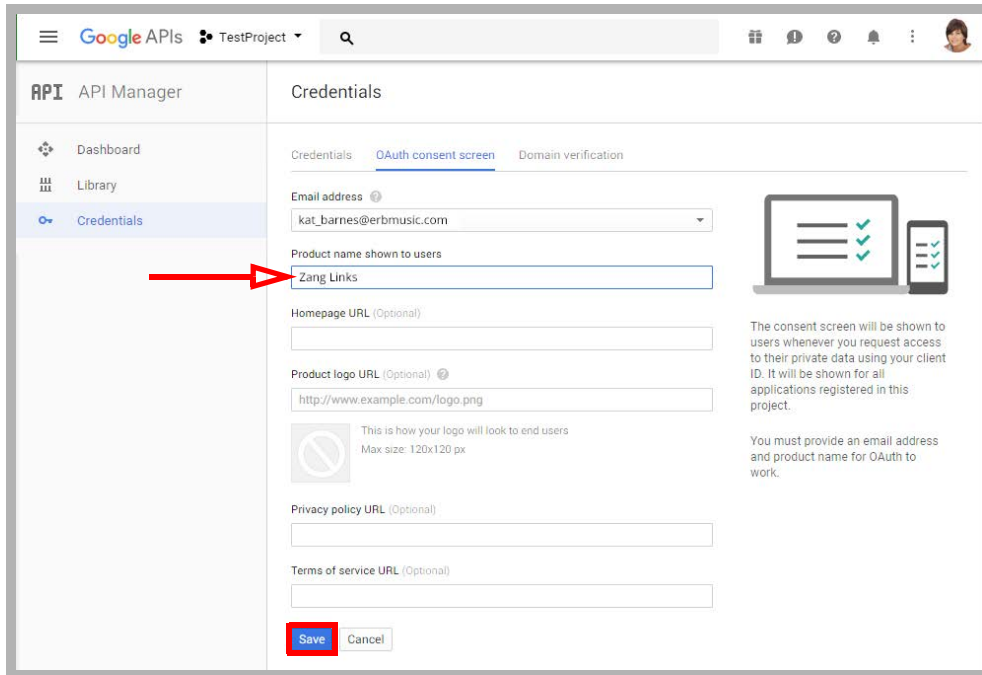
- Select the account you just created, click the menu icon and choose **Edit**.



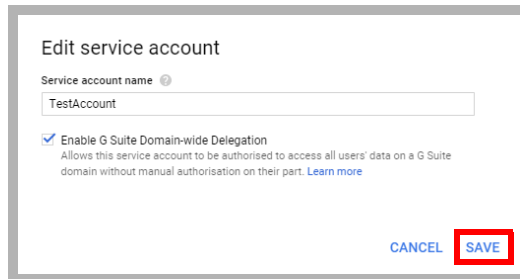
- Turn on **Enable G Suite Domain-wide Delegation**.
Click **Configure Consent Screen**.



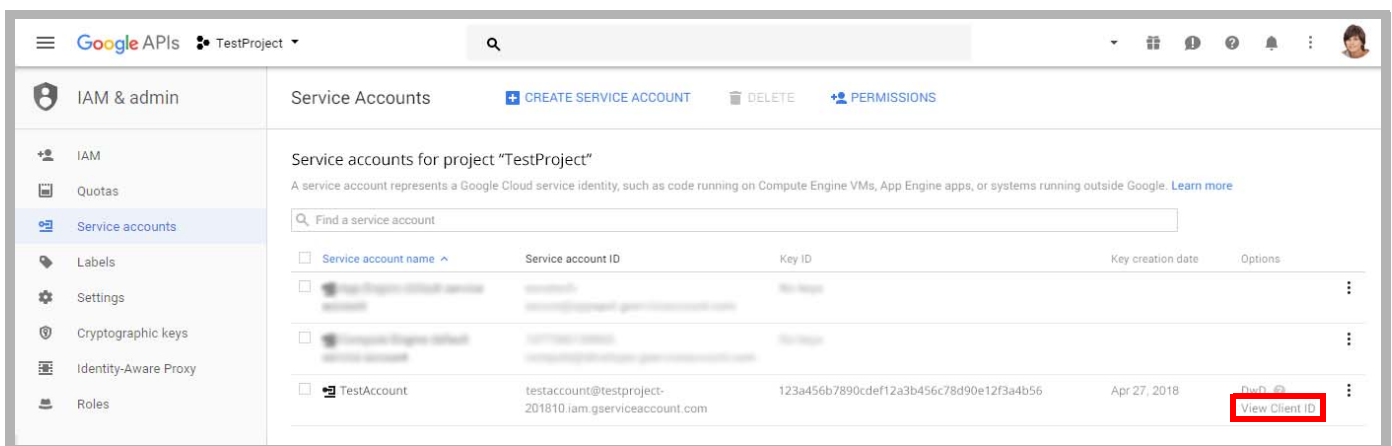
11. Enter a product name and click **Save**.



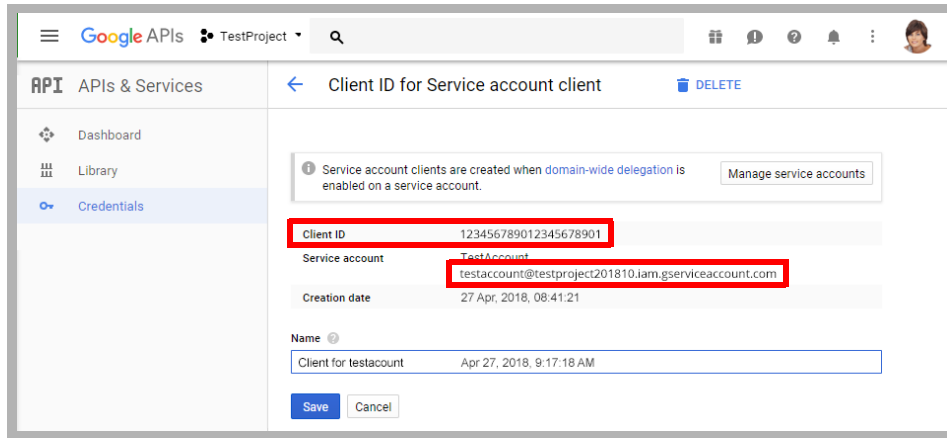
12. Click **Save** to complete the delegation.



13. Click **View Client ID**.



14. Record the Client ID and the Service account email address for the project. Click **Save**.

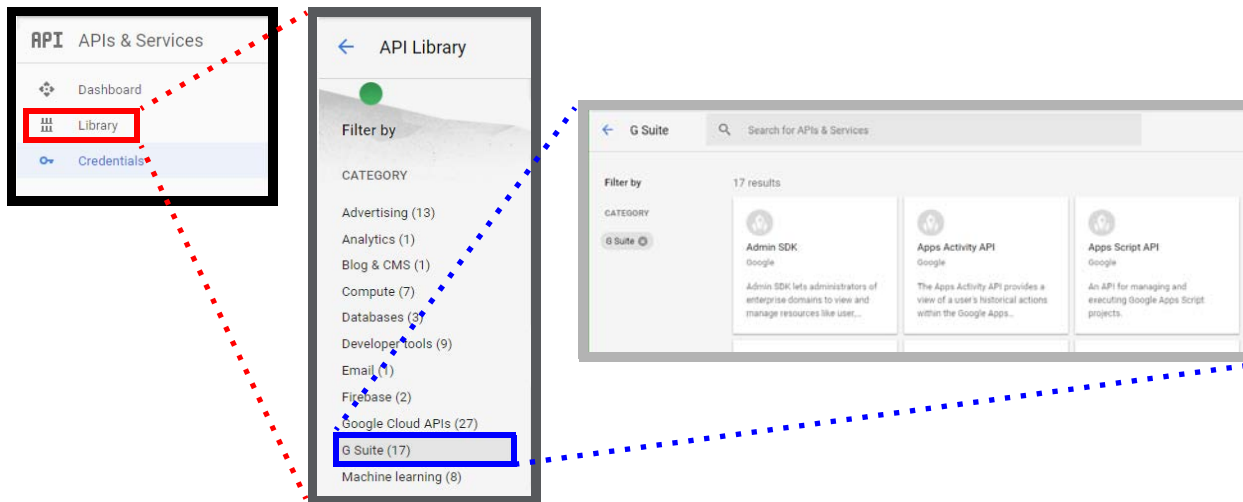


15. Rename both copies of the P12 file from step 7 to match the email address recorded in step 14. Include the domain and the .com extension.

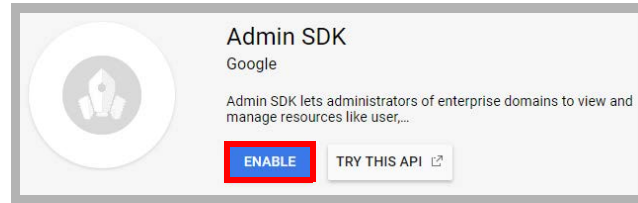


Caution: Do Not change the extension of the file. Always ensure it retains the P12 extension.

16. In the left-hand pane, click **Library > G Suite**.



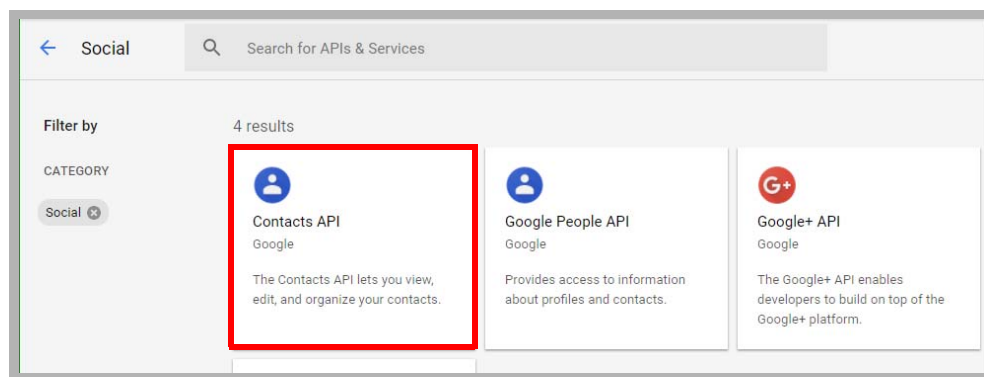
17. Click **Admin SDK**, then select **Enable**.



18. Once it has been activated, click the arrow to return to G Suite page. Repeat to enable all of the following APIs:


- [Google Calendar API](#)
- [Google Drive API](#)
- [Gmail API](#)

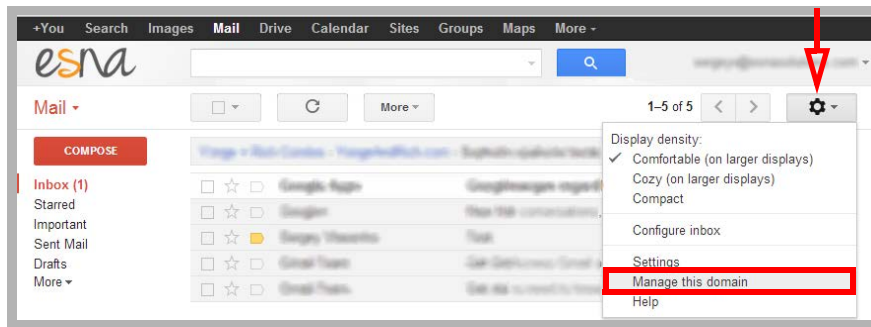
19. From the Library, click **Social** and enable the [Contacts API](#).



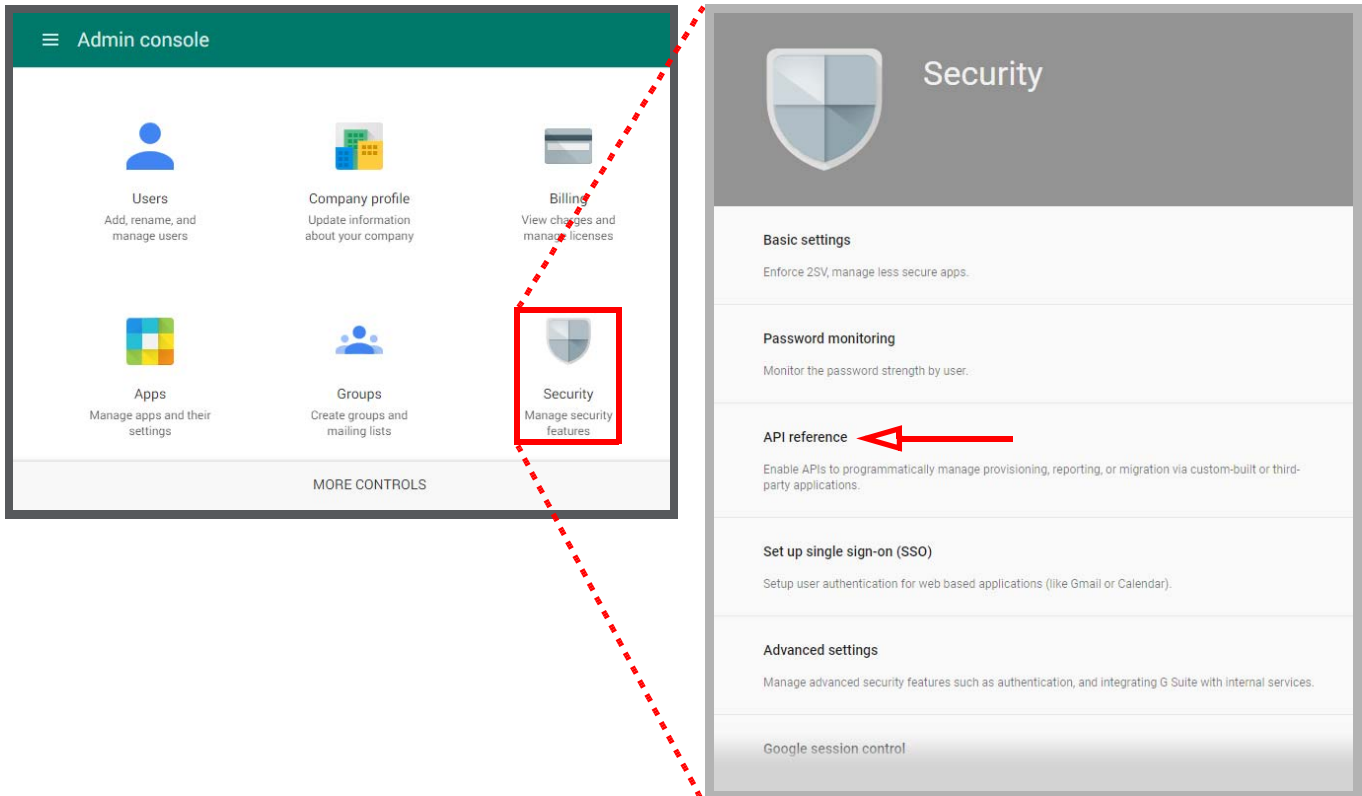
Hint: While these settings will work for most sites, not all sites will want to open all of these channels if it is not required. See [Minimum Required Scopes and APIs by Product](#) for details.

Domain Setup

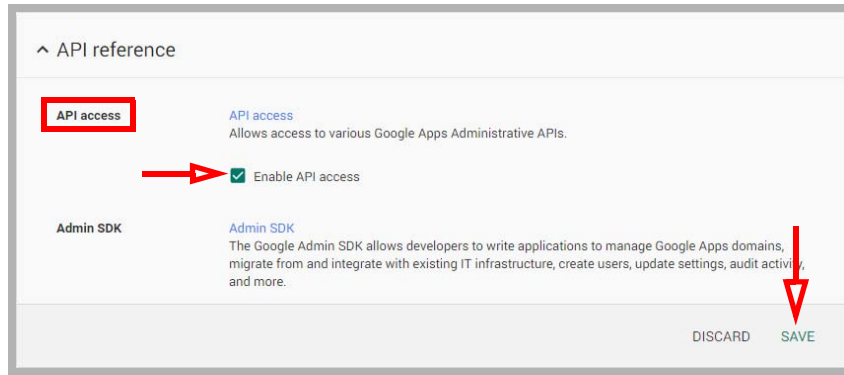
1. Login to Google Apps as an administrator.
2. Click Settings  and choose **Manage this domain**.



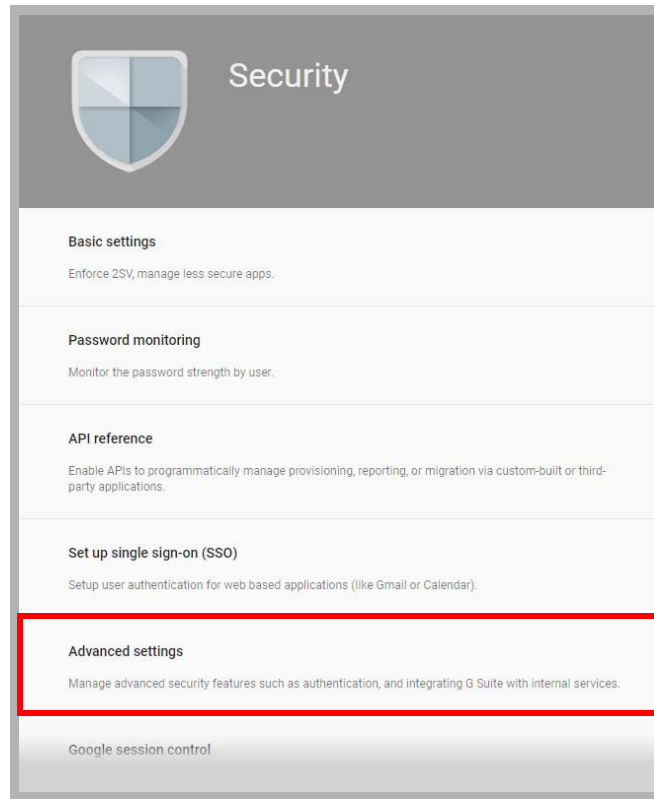
3. If prompted, provide the necessary administrator account and password details to login.
4. At the Admin Console, choose Security and click **API Reference**.



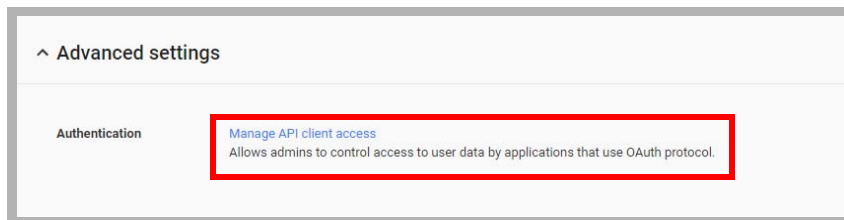
- In the section for API access, place a check in the **Enable API access** box. Click **Save Changes**.



- Return to the Security page and click **Advanced settings**.



- Click **Manage API client access**.



- Enter the Client ID value from step 14 into the **Client Name** field. In the space for **One or More API Scopes**, enter the following string:

https://docs.google.com/feeds/,https://mail.google.com/,https://www.google.com/m8/feeds/,https://www.googleapis.com/auth/calendar

Manage API client access
Developers can register their web applications and other API clients with Google to enable access to data in Google services like Calendar. You can authorize these registered clients to access your user data without your users having to individually give consent or their passwords. [Learn more](#)

Authorized API clients The following API client domains are registered with Google and authorized to access data for your users.

Client Name Example: www.example.com	One or More API Scopes https://docs.google.com/feeds/https://docs.googleusercontent... <input type="button" value="Authorize"/> Example: http://www.google.com/calendar/feeds/ (comma-delimited)
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[Learn more about registering new API clients](#)

Client ID	123456789012345678901
Service account	TestAccount testaccount@testproject201810.iam.gserviceaccount.com
Creation date	27 Apr, 2018, 08:41:21

Hint: Copy and paste the string above into the scopes field in Chrome. This will greatly reduce the chance of misspelling the entry and breaking the configuration.

Hint: While these settings will work for most sites, not all sites will want to open all of these channels if it is not required. See **Minimum Required Scopes and APIs by Product** for details.

Note: When configuring for Zang Connect for Cisco TelePresence (TMS), an additional scope must be defined (**Calendar Resources (Read/Write)**). To the above list, add the following:

<https://apps-apis.google.com/a/feeds/calendar/resource/>

- When ready, click the **Authorize** button.
- Verify that the selected scopes were successfully installed.

123456789012345678901	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid red; padding: 2px;">Calendar Resources (Read/Write)</td> <td style="border: 1px solid red; padding: 2px;">https://apps-apis.google.com/a/feeds/calendar/resource/</td> <td style="border: 1px solid red; padding: 2px;"><input type="button" value="Remove"/></td> </tr> <tr> <td style="border: 1px solid red; padding: 2px;">Docs (Read/Write)</td> <td style="border: 1px solid red; padding: 2px;">https://docs.google.com/feeds/</td> <td style="border: 1px solid red; padding: 2px;"></td> </tr> <tr> <td style="border: 1px solid red; padding: 2px;">Email (Read/Write/Send)</td> <td style="border: 1px solid red; padding: 2px;">https://mail.google.com/</td> <td style="border: 1px solid red; padding: 2px;"></td> </tr> <tr> <td style="border: 1px solid red; padding: 2px;">Contacts (Read/Write)</td> <td style="border: 1px solid red; padding: 2px;">https://www.google.com/m8/feeds/</td> <td style="border: 1px solid red; padding: 2px;"></td> </tr> <tr> <td style="border: 1px solid red; padding: 2px;">Calendar (Read-Write)</td> <td style="border: 1px solid red; padding: 2px;">https://www.googleapis.com/auth/calendar</td> <td style="border: 1px solid red; padding: 2px;"></td> </tr> </table>	Calendar Resources (Read/Write)	https://apps-apis.google.com/a/feeds/calendar/resource/	<input type="button" value="Remove"/>	Docs (Read/Write)	https://docs.google.com/feeds/		Email (Read/Write/Send)	https://mail.google.com/		Contacts (Read/Write)	https://www.google.com/m8/feeds/		Calendar (Read-Write)	https://www.googleapis.com/auth/calendar	
Calendar Resources (Read/Write)	https://apps-apis.google.com/a/feeds/calendar/resource/	<input type="button" value="Remove"/>														
Docs (Read/Write)	https://docs.google.com/feeds/															
Email (Read/Write/Send)	https://mail.google.com/															
Contacts (Read/Write)	https://www.google.com/m8/feeds/															
Calendar (Read-Write)	https://www.googleapis.com/auth/calendar															

OAuth2 and Officelinx High Availability (HA)

When using OAuth2 in an HA environment, the private key must be copied to both of these locations on the **Consolidated** server (**C:\UC\IMAPTSE** and **C:\UC\UCSE**).

Minimum Required Scopes and APIs by Product

Enabling all of the listed scopes and APIs will work for most situations. However, not all administrators will want to open all of these channels if it is not necessary. This table shows the minimum required scopes and APIs for each product.

		OFFICELINX	ZANG CONNECT FOR CISCO	ZANG CONNECT FOR CISCO JABBER	ZANG CONNECT FOR WEBEX	ZANG CONNECT FOR CISCO TELEPRESENCE
SCOPES * (see below)	auth/admin	•	•	•	•	
	auth/calendar					•
	auth/drive	•	•			
	auth/drive.file	•	•			
	calendar/feeds	•	•	•	•	
	calendar/resource					•
	m8/feeds	•	•	•	•	
	mail.google.com	•	•			
APIs	Admin SDK	•	•	•	•	•
	Contacts API	•	•	•	•	
	Google Calendar API	•	•	•	•	•
	Google Drive API	•	•			
	GMail API	•	•			

* The full paths for all listed scopes are displayed here.

auth/admin - <https://www.googleapis.com/auth/admin.directory.user.readonly>

auth/calendar - <https://www.googleapis.com/auth/calendar>

auth/drive - <https://www.googleapis.com/auth/drive>

auth/drive.file - <https://www.googleapis.com/auth/drive.file>

calendar/feeds - <https://www.google.com/calendar/feeds/>

calendar/resource - <https://apps-apis.google.com/a/feeds/calendar/resource/>

m8/feeds - <https://www.google.com/m8/feeds/>

mail.google.com - <https://mail.google.com/>