Configuring the Google Service Account
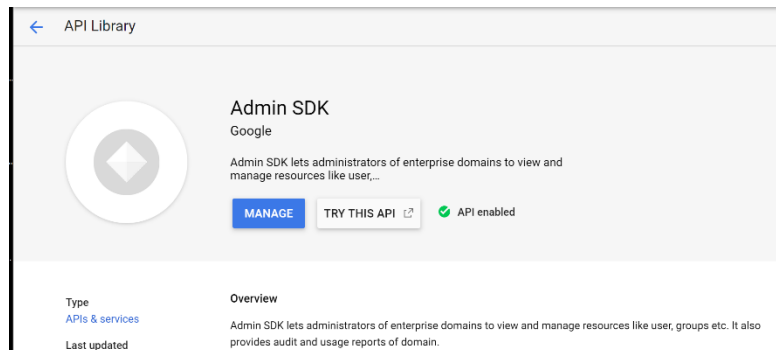
Log into google Accounts https://console.developers.google.com/

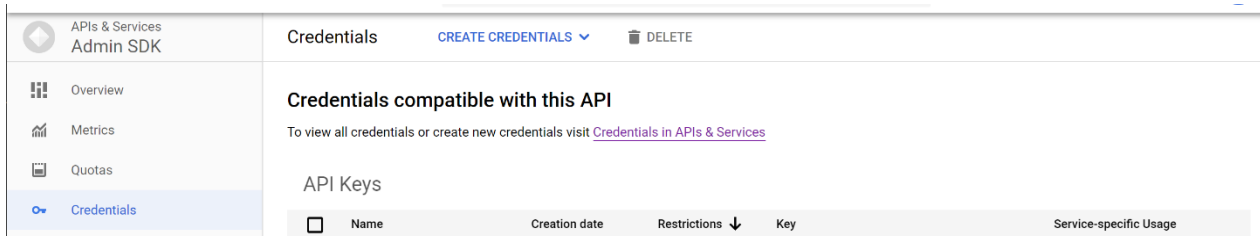Click Enable API's and Services at the top

Click on GSuite from the left-hand menu, then click on Admin SDK

Click Enable (If not already enabled), then click Manage to view this page

Click Credentials on left menu then click Create Credentials on top menu

Select Credentials in APIs and Services

Credentials

Click Credentials – select
Service Account Key

Credentials   OAuth consent screen   Domain verification

Create credentials ▾   Delete

e authenticatio

API key
Identifies your project using a simple API key to check quota and access

OAuth client ID
Requests user consent so your app can access the user's data

                               Key

Service account key
Enables server-to-server, app-level authentication using robot accounts

                   AIzaSyBA

Help me choose
Asks a few questions to help you decide which type of credential to use

                   AIzaSyB9

←   Create service account key

Select new service account
and enter the Service
Account Name

Select P12 and press create

Service account

New service account   ▾

Service account name ⃝   **Role** ⃝

syam-chrome-july31   Select a role   ▾

Service account ID

syam-chrome-july31   @mdm-on-57.iam.gserviceaccount.com ↻

Key type
Downloads a file that contains the private key. Store the file securely because this key can't
be recovered if lost.

◯ JSON
    Recommended
⦿ P12
    For backward compatibility with code using the P12 format

Create   Cancel

Select Role as Project Owner – click Create

Save the P12 file on your system as you will load this into SyAM.

Scroll down the Credentials page and Click on Manage Service Accoutns

Service account keys

	ID	Creation date ⌄	Service account	
☐	b5536f3f3af2a2b9fabc826f679f2887431a3c90	Jul 31, 2019	syam-chrome-july31	🗑
☐	03560890a61b432704b9448c3dfa775e64ddbad3	Sep 5, 2018	Jan 29	🗑

Manage service accounts

Find the serivce accont you have just created and click on the three dots on the right side and selct Edit

☐	syam-chrome-july31@mdm-on-57.iam.gserviceaccount.com	✓	syam-chrome-july31	b5536f3f3af2a2b9fabc826f679f2887431a3c90	⋮

Within the Service Account Details Page Click to enable the G Suite Domain-wide Delegation

Copy the email and unique ID as these are entered into the SyAM MDM along with the P12 file.

Press Save

You can now Log Out of the Google Developers Console

← syam-chrome-july31   🗑 DELETE

Service account details

Name
syam-chrome-july31

Description

Email
syam-chrome-july31@mdm-on-57.iam.gserviceaccount.com

Unique ID
113528650269504670471

Disable service account

Disabling your account allows you to preserve your policies without having to delete it.

✅ Account currently active

🔵 Enabled

☑ Enable G Suite Domain-wide Delegation
Allows this service account to be authorized to access all users' data on a G Suite domain without manual authorization on their parts. Learn more

∧ HIDE DOMAIN-WIDE DELEGATION

Keys

Key ID
b5536f3f3af2a2b9fabc826f679f2887431a3c90   🗑

+ CREATE KEY

Update the Google Admin Console

Login to your Google Apps Admin console. https://admin.google.com

Select Security from the list of controls

Select Show more and then Advanced settings from the list of options.

Select Manage API client access in the Authentication section. In the Client Name field enter the service account's Client ID. 113528650269504670471 (This is the Unique ID from the Service Account Details Page)

Paste in the following for the URLS

https://www.googleapis.com/auth/admin.directory.device.chromeos,
https://www.googleapis.com/auth/admin.directory.group.member,
https://www.googleapis.com/auth/admin.directory.user,
https://www.googleapis.com/auth/admin.directory.orgunit,
https://www.googleapis.com/auth/admin.directory.group,
https://www.googleapis.com/auth/apps.licensing,
https://www.googleapis.com/auth/chromewebstore.readonly,https://www.googleapis.com/auth/admin.reports.audit.readonly,
https://www.googleapis.com/auth/admin.reports.usage.readonly,https://www.googleapis.com/auth/admin.directory.rolemanagement,https://www.googleapis.com/auth/admin.directory.userschema,https://www.googleapis.com/auth/classroom.courses, https://www.googleapis.com/auth/classroom.rosters

Press the Authorize button

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 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	One or More API Scopes
113528650269504670471	https://www.googleapis.com/auth/admin.directory Authorize
Example: www.example.com	Example: http://www.google.com/calendar/feeds/ (comma-delimited)

Log into the SyAM MDM Interface

Click on the left menu Managed Devices – select ChromeOS

Upload the P12 file and paste in the ID and email from your Service Account Details

Press Next

SERVICE ACCOUNT SETUP

service account   API Key   impersonation

Service Account Certificate (.p12)

Choose File   No file chosen
File Saved

syam-chrome-july31@mdm-on-57.iam.gserviceaccount.com

113528650269504670471

Next

Enter the following key for Static Maps - AIzaSyDeLdJqAgsJH87S1yT0WhgdMPo0BHiUk1U

Press Next

SERVICE ACCOUNT SETUP

service account   API Key   impersonation

Static MAPS API Key

AIzaSyDeLdJqAgsJH87S1yT0WhgdMPo0BHiUk1U

Previous   Next

Enter the domain and user email that was used to Authorize the Service API in Google Admin Console

Press Save

SERVICE ACCOUNT SETUP

service account   API Key   impersonation

GSuite User Impersonation

syamsoftware.com

nick.thickins@syamsoftware.com

Previous   Save

If you have not already authorized the service API in GAC follow these steps before pressing Sync

If the service account has been authorized Press Sync

GOOGLE ADMIN AUTHORIZATION

Login to your Google Apps Admin console. https://admin.google.com

Select Security from the list of controls.

Select Show more and then Advanced settings from the list of options.

Select Manage API client access in the Authentication section.

In the Client Name field enter the service account's Client ID. **113528650269504670471**

In the One or More API Scopes field enter the list of scopes below.   Copy text

https://www.googleapis.com/auth/admin.directory.device.chromeos,

https://www.googleapis.com/auth/admin.directory.group.member,

https://www.googleapis.com/auth/admin.directory.user,

Press Save to Authorize

Sync

Once the Sync Completes you will see the Last Updated date

Service Account Settings

Sync

Last Updated July 31 2019 08:26:00 AM

⊘ **Service Account Configured**

Google Developer Console
For detailed instructions on setting up your
Google Developer Console please visit:
SyAM Software

Service Account Email

syam-chrome-july31@mdm-on-57.iam.gservic

Client ID

113528650269504670471

Service Account Certificate (.p12)

⚿ privatekey   Add New Certificate

Save   Delete

You can now set the Polling Interval for the GAC Sync and the Site Manager Asset Update

Auto Sync ✔ Running

⊘ Management Utility URL:

http://localhost:55

Sync with GAC every [1 hour ▼]

[Update]

⊘ SiteManager URL and PORT:

https://localhost | 443

Upload to SiteManager every

[1 hour ▼]

[Update]

Possible reasons why the error Authorization Status 401 Unauthorized can occur

Incorrect Role chose for the service account – it must be set to Project – Service Account Actor

- To resolve, delete the two sets of settings in the Chrome OS page in Management Utilities, delete the service account and start the process again, creating a new service account and then add the new service account into Google Admin Console with the URLs.

Incorrect Google Apps Email Address, possibly a typo or the email account used was not the account used when logging into Google Admin Console to add in the URL's to the Service account.

- To resolve delete the Google Apps Domain information in the Chrome OS page in Management Utilities, then enter the correct email address and press save.

Possible reason why the error Authorization Status 403 Unauthorized can occur

API SDK access has not been enabled in the Google Developer Console
https://console.developers.google.com/