

Integrating NetSupport School with Google Classroom

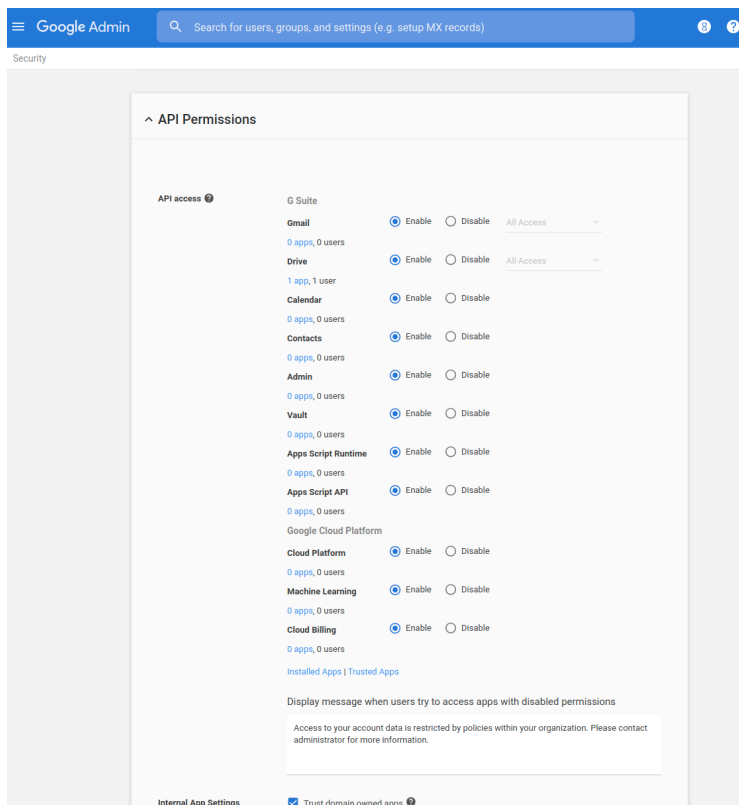
NetSupport School supports integration with SIS (Student Information System) environments via OneRoster and Google Classroom, allowing teachers to access their online SIS classrooms and student accounts at the start of a NetSupport-managed lesson. This document explains how to set up a Google Classroom Project, allowing you to integrate NetSupport School with Google Classroom.

Note: *NetSupport School also integrates with ClassLink OneRoster, for further information, please refer to the document **NetSupport School SIS integration with ClassLink OneRoster**.*

Step 1 - Enable API access to your G Suite for Education domain

1. Log into Admin.google.com with your G Suite for Education administrator account and navigate to **Security -> API Permissions**.

Ensure the relevant API access to G Suite is enabled.




Log out of the Google Admin portal.

Step 2 - Setting up a Google Classroom Project


1. Go to <https://console.cloud.google.com> and log in as the global admin for G Suite for Education domain.
2. From the **Select a Project** drop-down menu, select **New Project**. Enter a project name, e.g. Chrome Town High (this must be unique to the school or school district). Click **Create**.



3. Select your recently created project to display it in the Console dashboard.
In the navigation menu, select **APIs & Services -> Library**.
Search for, and enable, the following three APIs:
Google Classroom (required for roster information)
Cloud Pub/Sub (required for class change notifications)
Admin SDK (required for Google Management).
4. In the navigation menu, select **APIs & Services -> Credentials**.
Click **OAuth consent screen**.
Select **Internal** and press **Create**.
Under **Application Name**, enter the name of the application, e.g. Chrome Town High.
Under **Scopes for Google APIs**, select **Add Scope** and add the following three scopes:
`https://www.googleapis.com/auth/classroom.courses.readonly`
`https://www.googleapis.com/auth/classroom.rosters.readonly`
`https://www.googleapis.com/auth/classroom.push-notifications`
Click **Add**.
Click **Save**.
5. Select **Credentials**, then **Create credentials -> Service account key**.
From the **Service account** drop-down menu, select **New service account**.
Enter a name, e.g. pubsubadmin and the role **Pub/Sub -> Pub/Sub Admin**.
Click **Create**, a JSON file will be saved to your downloads folder.
Note: *The file created here must be saved.*
6. Select **Create credentials -> OAuth client ID**, select **other**, enter a name and click **Create**.
The client ID and client secret will be displayed, click **OK**.
Click  to download the JSON file for the OAuth client ID you have created, and save the JSON file so this can be copied to the Name & Connectivity Server.
7. In the navigation menu, select **IAM & admin**.
On the IAM tab, click **Add**.
Enter the following email:
`classroom-notifications@system.gserviceaccount.com`
Select the suggestion.
From the **Select a role** drop-down list, select **Pub/Sub publisher**.
Click **Save**.

Step 3 - Configuring the Name & Connectivity Server for Google Classroom

The two JSON files created above are required to configure the Name & Connectivity Server. Copy these files and place them on the machine where the Name & Connectivity Server is installed.

1. Open the Connectivity Server Configuration utility by right-clicking  in the system tray and selecting **Configure Connectivity Server**.
2. Select the Classes tab.



The screenshot shows the 'Classes' tab of the 'NetSupport Connectivity Server Configuration Utility'. The 'Class datasource' section has three radio button options: 'None', 'ClassLink OneRoster', and 'OneRoster zipped CSV files'. The 'Google Classroom' option is selected. Below it, the 'Project' field contains 'ambient-future-242714'. The 'Syncs per day' is set to '1' and 'at' is set to '00:00'. There are 'Sync now' and 'Reset data' buttons. At the bottom, there are 'OK', 'Cancel', 'Apply', and 'Help' buttons.

3. Select **Google Classroom** and click **...** to browse for and select one of the JSON files that you have copied to the machine (both files must be present, but either file can be selected).
4. Click **Apply**. You will be prompted to sign into Google G Suite with administrator credentials and grant access to NetSupport School.

You can now use SIS mode to connect to the required students.