# 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 - 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**.
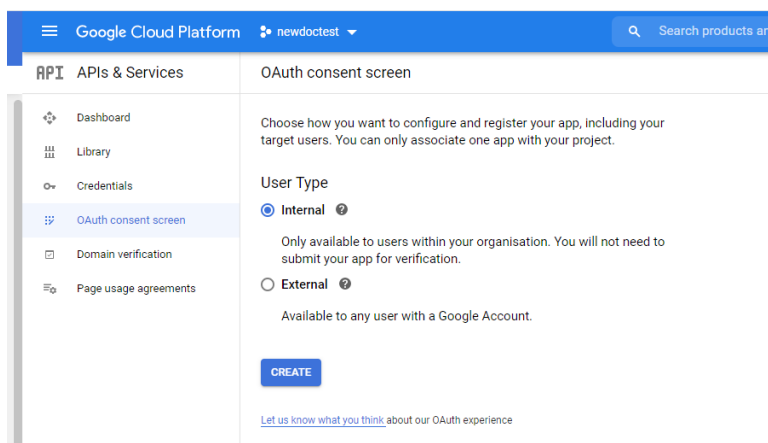
Select **Internal** and press **Create**.

Under **Application Name**, enter the name of the application, e.g. Chrome Town High.

Under **Scopes for Google APIs**, select **Add Scope** and locate 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**.

    Enter a name and description, e.g. pubsubadmin. Click **Create**.

    In Service account permissions, add the role **Pub/Sub Admin**.

    Click **Continue**.

    Click **Done**.

    Select the **Edit** icon to edit the service account just created.

    Navigate to **Keys**.

    Select **Add key** -> **Create key**.

    In the dialog, select **JSON** and press **Create**, a JSON file will be saved to your downloads folder.

    Note: *The file created here is required for the Name & Connectivity Server.*

6. Select **API-Credentials** -> **Create Credentials** -> **OAuth client ID**, select **Desktop app**, enter a name and click **Create**.

    The Client ID and client secret will be displayed, click **OK**.

7. Click the **Download** ⬇ icon 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.

8. 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 2 - 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 the NetSupport Connectivity Server icon in the system tray and selecting **Configure Connectivity Server**.

2. Select the Classes tab.
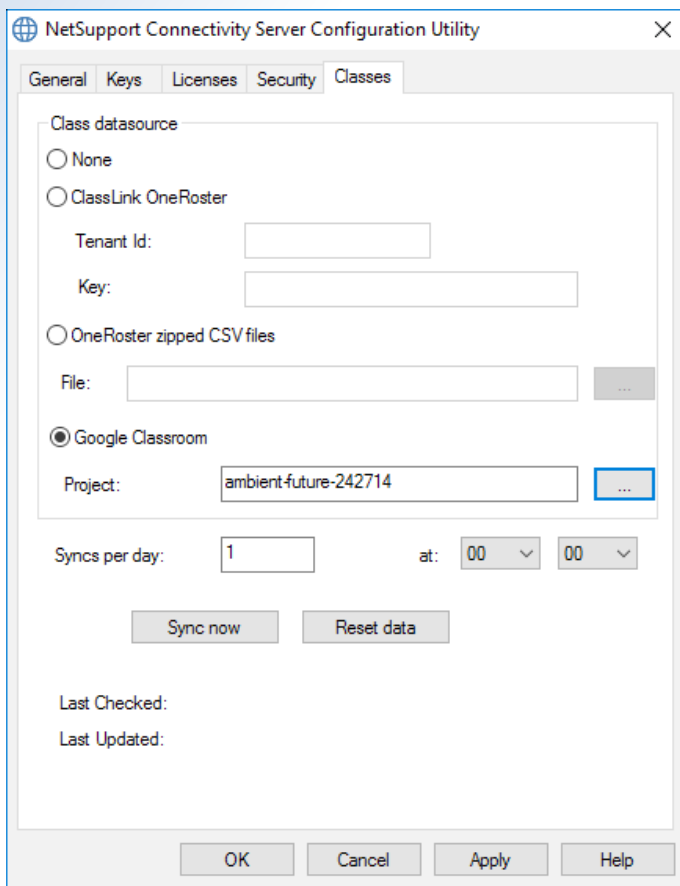
3. Select **Google Classroom** and click the **Browse** ... icon to browse for and select one of the JSON files that you have copied to the machine (both files must be present, but either file can be selected).

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.

Appendix

For the above to work, you may need to add the Client ID into Google Admin.

1. Go to *https://console.cloud.google.com* and log in as the global admin for your G Suite for Education domain.
2. Navigate to **API & Services** -> **Credentials**.

   Under **OAuth 2.0 Client IDs**, click the **Copy** icon next to the Client ID for your application. You will need this for the next section.
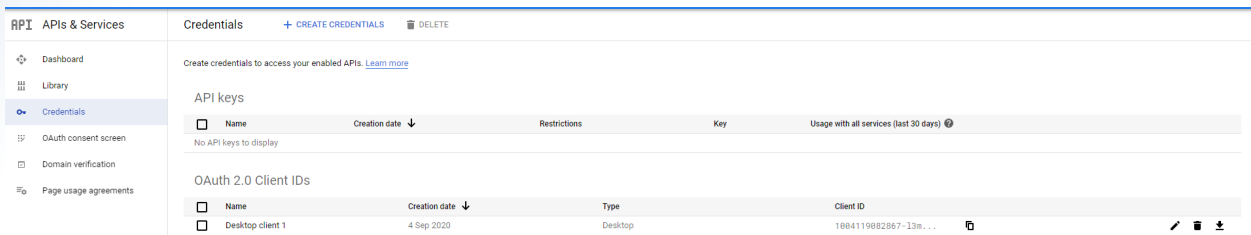

Log into *Admin.google.com* with your G Suite for Education administrator account and navigate to **Security** -> **API Controls**.

Tick the option to **Trust internal, domain owned apps**.

3. Under the **third-party apps configured** section, click **Manage Third-Party App Access**.
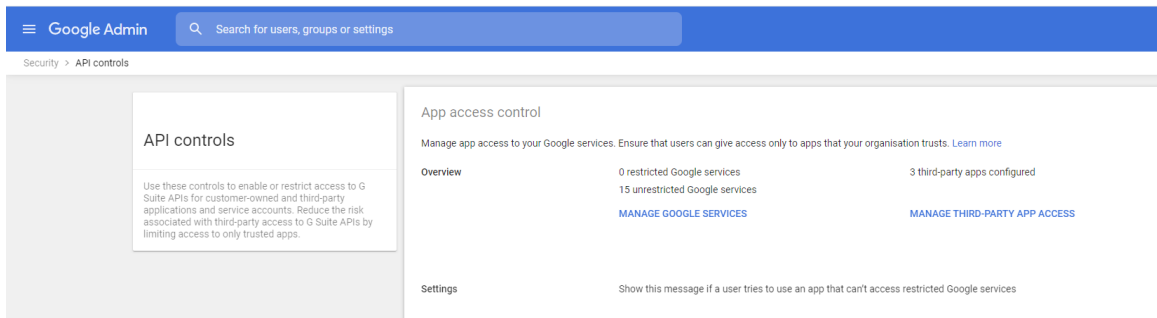
4. Ensure the Apps tab is visible and select **Configure new app**.
5. From the drop-down menu, select **OAuth App Name** or **Client ID**.
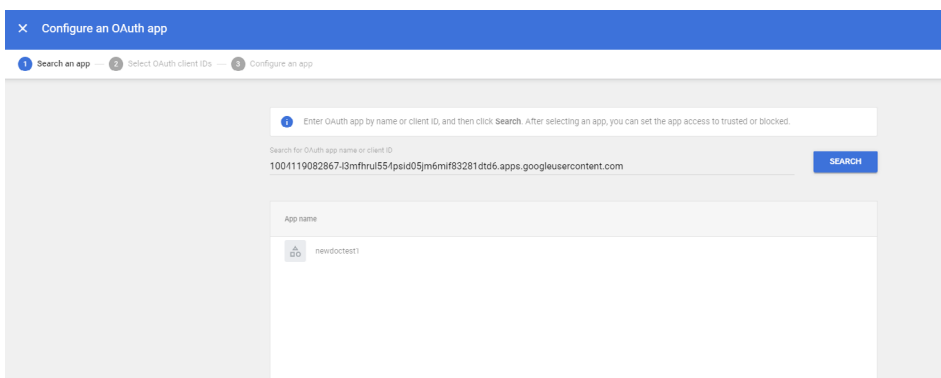
6. Paste your Client ID from the Developer Console and press **Search**.
7. Select the application that is returned.
8. On the next page, tick the boxes and click **Select**.
9. On the Configure an app page, select **Trusted** and then press **Configure**.
10. Check the application now shows in the list of third-party apps.
11. Select the application and press **Change access**.
12. Tick **Limited: can only access unrestricted Google Services**.