



Impero EdLink

Apple School Manager Integration

March 2019

EXTERNAL



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Apple School Manager Integration

Apple School Manager integration provides Apple Schools with a simply and easy to use method of syncing their ASM configuration with Impero Edlink. The integration allows Impero Edlink to sync all your users and device enrolled in ASM and pull them directly into Impero Edlink making the importing of users and devices a seamless process.

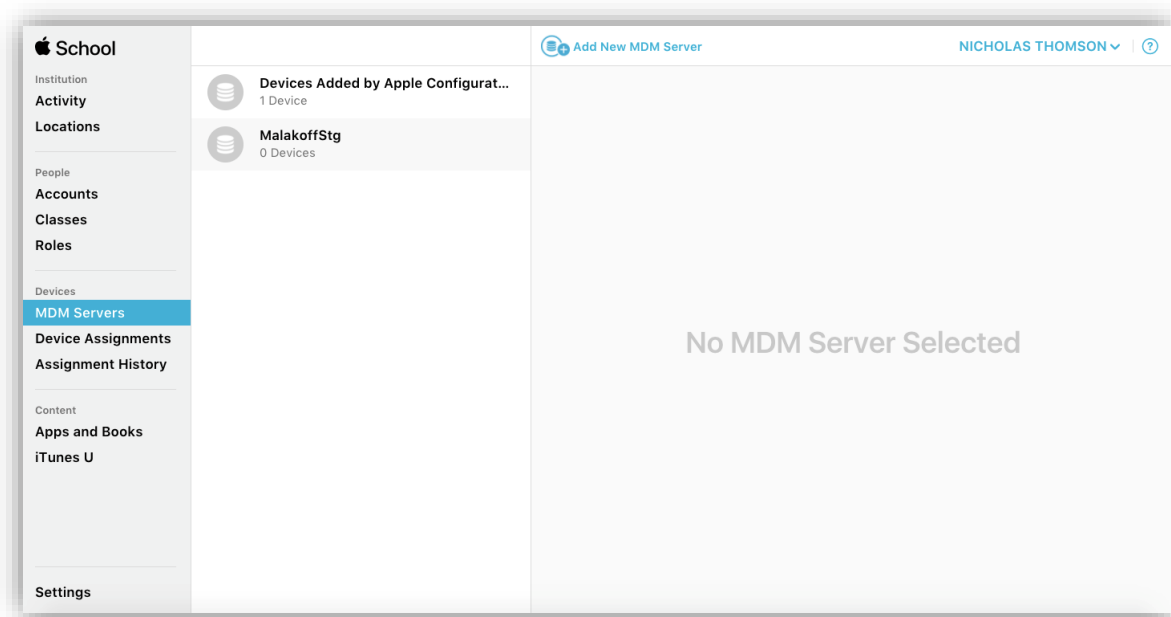
Enrolment of users and devices isn't the only feature available via Impero Edlink ASM Integration. Schools can also utilise the Apple Classroom app to manage iOS in the classroom setting. ASM Integration with Impero Edlink takes the classes that the school has created in Apple School Manager, pulls them into Impero Edlink which then sends the classes to the Apple Classroom app on the teacher's device.

Enrolling using Apple School Manager (ASM)

Apple School Manager (ASM) can help you simplify the initial setup and deployment of your devices in Impero Edlink.

Please follow the steps below:

1. Enter login details for the **Apple School Manager** page found at <https://school.apple.com> and sign in. Then select **MDM Servers** from the left hand menu.
2. Click on the **Add New MDM Server** link.



3. Specify the **MDM Server Information**, the Impero Edlink Public Key is required. The next step will show you how to retrieve this.

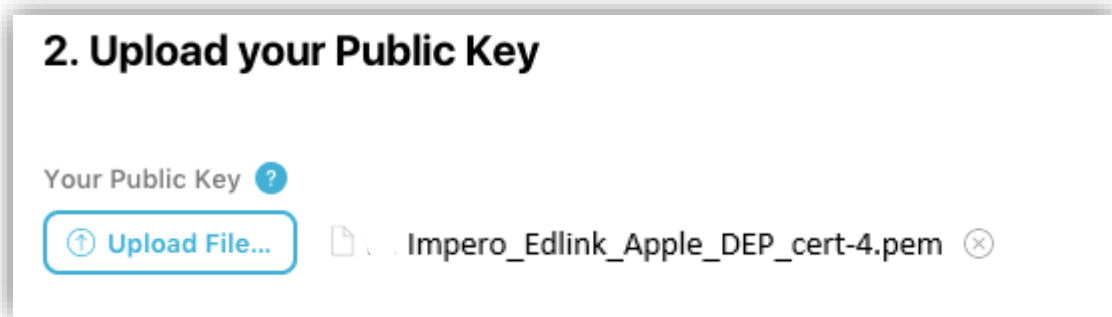
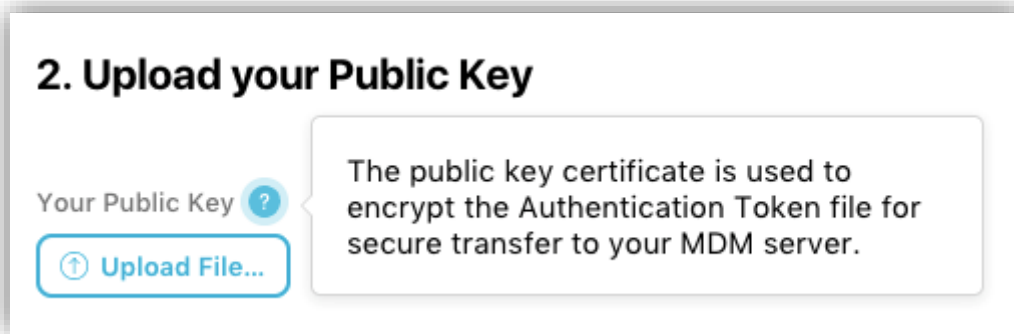
The screenshot shows a web form titled "Add New MDM Server" with a user name "NICHOLAS THOMSON" and a help icon. The form is divided into three sections:

- 1. MDM Server Information**: Contains a text input field labeled "Name of MDM Server" with a placeholder "Name of MDM Server" and a note: "Enter a name to refer to this server, department or location."
- 2. Upload your Public Key**: Contains a section labeled "Your Public Key" with a help icon. Below it is a file upload button labeled "Upload File..." and the text "No file selected".
- 3. Generate New Server Token**: Contains a paragraph: "You can download the server token after saving. After generating and downloading a new token, you must install this new token on your MDM server."

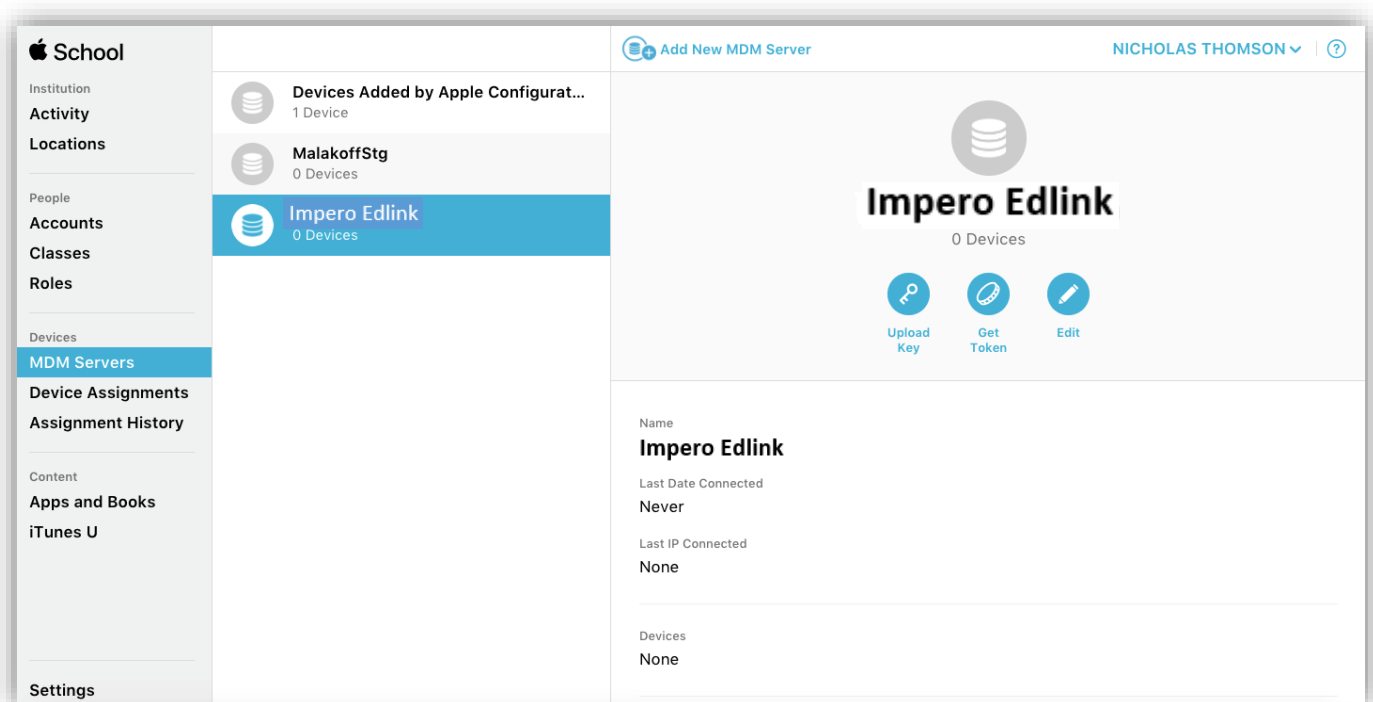
At the bottom right of the form are two buttons: "Cancel" and "Save".

4. On the Impero Edlink dashboard, navigate to the **iOS MDM Settings**, and in the **APPLE DEVICE ENROLLMENT PROGRAM (DEP)** section, click on the **Impero_Edlink_Apple_DEP_cert.pem** link.

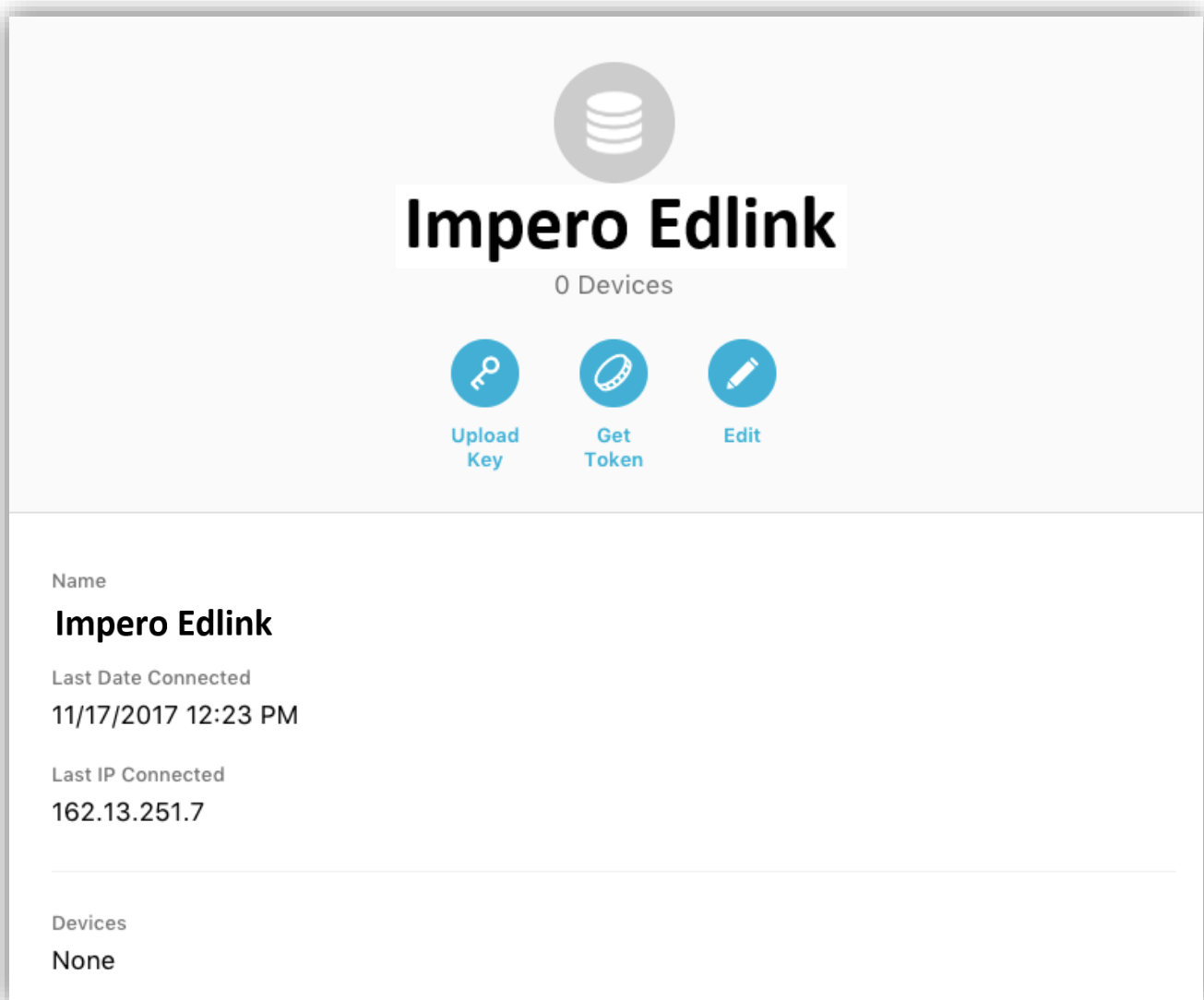
5. On the Apple website, click on the **Upload File...** link, select the certificate file and click **Save**.



6. To download the server token, click on the **Get Token** link.



7. Then in Impero Edlink, click **Upload server token**, and select the certificate to upload it.
8. ASM details are added for the school as shown below:
9. If you make a change to any of your settings, such as changing the skip screen or turning off/on **Allow Pairing**, you must click on **Update Settings**.
10. Once this has been done please ensure you click on **Resync Devices**.
11. Once this has been done you will see additional devices in your device list, but they are greyed out and you cannot view further details. Once the devices are activated and enrolled you will be able to see full details of the device.
12. You should also see that the last date and time connected reflects correctly.



The screenshot displays the Impero Edlink interface. At the top, there is a database icon and the text "Impero Edlink" with "0 Devices" below it. Three circular icons are present: "Upload Key" (key icon), "Get Token" (token icon), and "Edit" (pencil icon). Below this is a section for school details:

- Name: **Impero Edlink**
- Last Date Connected: **11/17/2017 12:23 PM**
- Last IP Connected: **162.13.251.7**

At the bottom, there is a section for "Devices" which shows "None".

Integrate Impero Edlink with Apple School Manager (ASM)

Impero Edlink supports both Apple School Manager and Apple Classroom App. Once ASM is configured within Impero Edlink and the Apple School Manager portal (optional), the devices will be auto-configured on the next device profile refresh.

Requirements

GENERAL

WiFi	All student & teacher devices must be on same network and accessible.
Bluetooth	Active on all student & teacher devices and in proximity.
Bonjour	Not blocked on routers
ASM Account	Only if doing shared iPads
iOS	9.3+

TEACHER

iPad	iPad 3rd generation or later, iPad mini or later
Supervised	Optional (recommended)
Can be shared	No
Managed AppleID	Optional
Classroom App	Required

STUDENT - 1-1

iPad	iPad 3rd generation or later, iPad mini or later
Supervised	Required
Managed AppleID	Optional
Classroom App	No

STUDENT - SHARED

iPad	iPad mini 4th generation or later, with at least 32GB of storage, iPad Air 2nd generation or later, with at least 32GB of storage. 9.7-inch iPad Pro, 12.9-inch iPad Pro
Supervised	Required
Managed AppleID	Required
Classroom App	No

Configuration

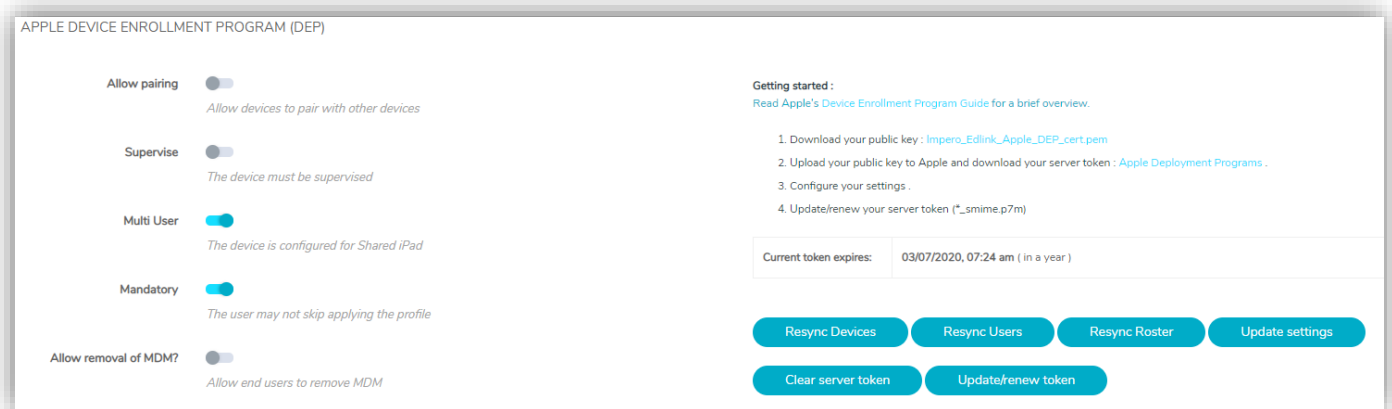
The devices and classes with students need to pre-configured within Impero Edlink.

Apple School Manager

If you need to use shared iPads, then you must at least set up the students in ASM and assign them managed AppleIDs. The students will be synced with Impero Edlink. Apple School Manager is not needed if you are not using shared devices or managed AppleIDs.

Impero Edlink

If you want to use your Apple School Manager users, you will need to configure DEP/ASM under Settings > iOS MDM Settings. Once this is complete your DEP devices and ASM users (both students/teachers) will be synchronised with Impero Edlink. If you add students at a later stage to ASM, you will need to click 'Resync Users'. This is not required to use the Apple Classroom App.



Resync Devices – Adds devices assigned to Apple School Manager into Impero Edlink

Resync Users – Adds teacher and student users from Apple School Manager into Impero Edlink

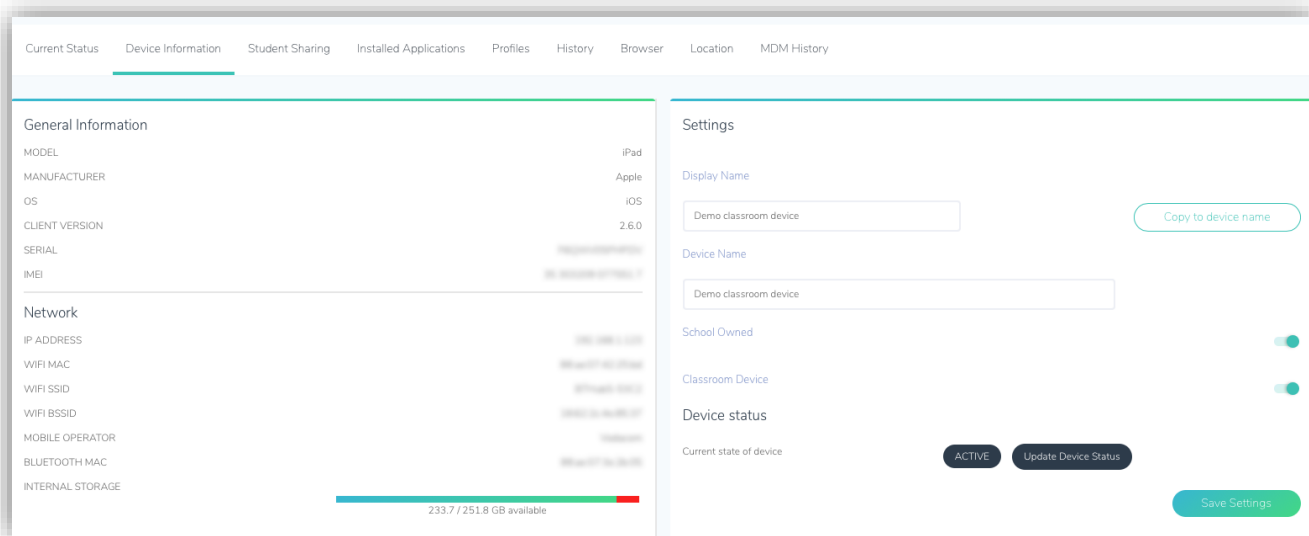
Resync Roster – Adds Classes created in Apple School Manager into Impero Edlink

The next step is to decide which devices will get used in a classroom scenario along with the Apple Classroom App.

Devices can be assigned 1-1 to a student or can be shared amongst a group of students. Shared devices need to be logged into by the student, using the students AppleID & password or another authentication method.

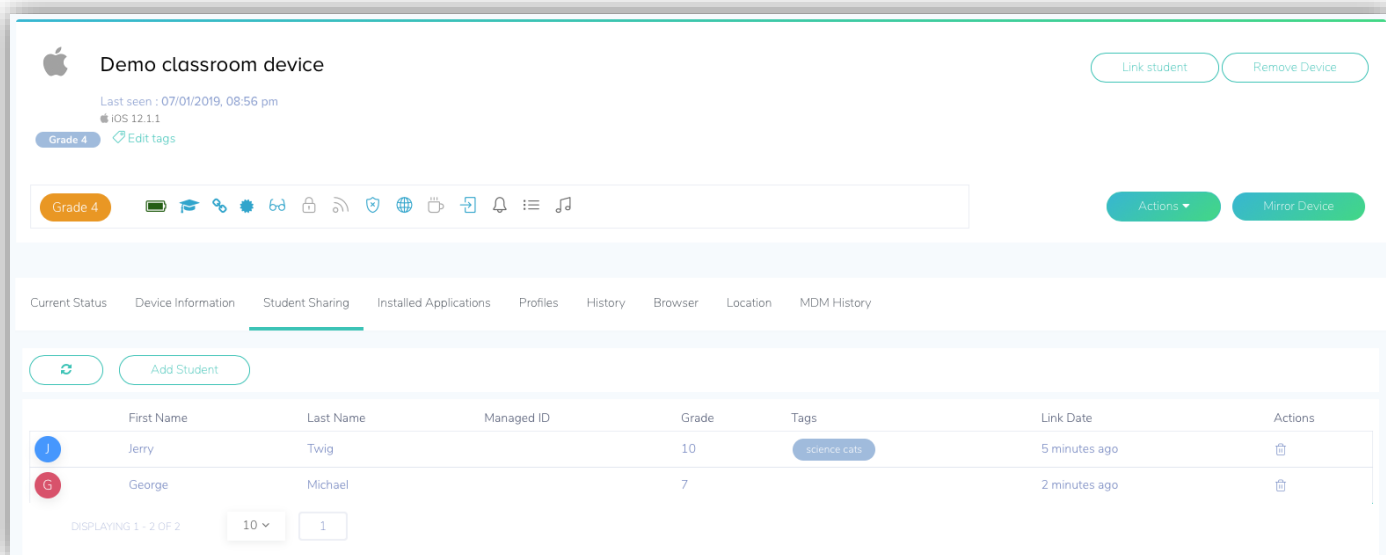
The DEP settings listed above (Allow pairing, Supervise, Multi User and Mandatory) must be enabled before enrolment for these settings to apply. Devices that are already enrolled will need to be wiped and enrolled again to take the new settings

All devices to be used must be set as "Classroom Devices" as in the screen below. This screen is found in the device information page. This applies to both Teacher and Student Devices



Devices that are to be shared amongst students need to have the students allocated to the device. This is set in the Student Sharing Panel of the device.

Good connectivity is required in the classroom for shared devices, as all the user's data is synced with iCloud Drive when a student signs in or out.



Teacher devices cannot be shared and need to be allocated on a 1-1 basis per teacher.

This is done under **Settings > Users**

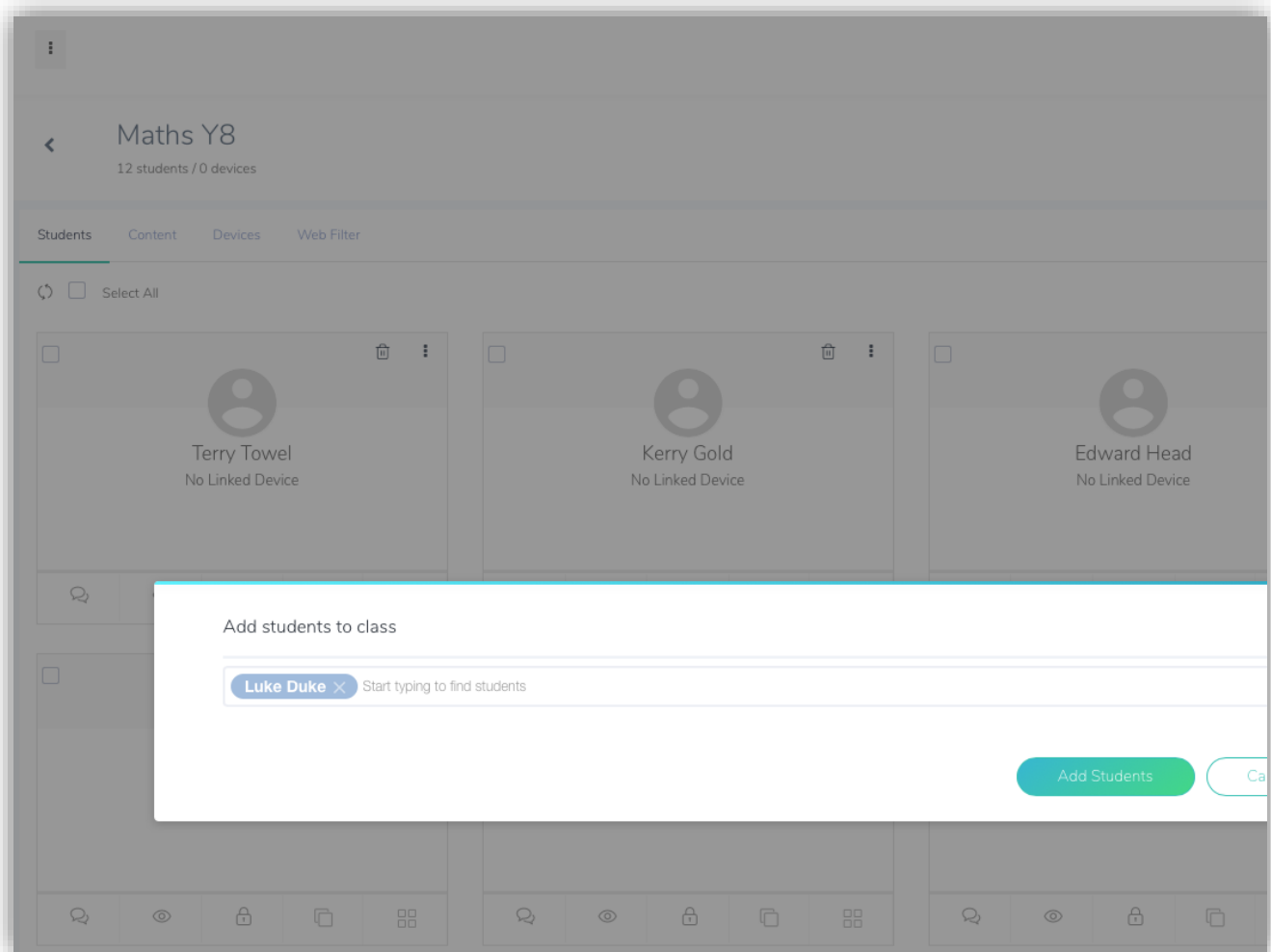
The screenshot shows a modal window titled "Update user info" with a close button (X) in the top right corner. The form contains the following fields and controls:

- First Name:** Text input field containing "Tim".
- Last Name:** Text input field containing "Burton".
- Username:** Text input field containing a partially obscured email address.
- Email:** Text input field containing "year8teacher@demoschool.com".
- Reset Password:** A green button.
- Roles:** A section with the text "One or more roles have to selected." and two radio buttons: "Admin" (selected) and "Teacher".
- Teacher Devices:** A section with a text input field containing "MRW-60" and a placeholder "start typing to find devices ...".
- Parent/Student:** Two radio buttons, "Parent" and "Student", both of which are unselected.
- Update/Cancel:** Two green buttons at the bottom right.

The Apple Classroom App needs to be installed on all teacher devices. The devices themselves will need to be refreshed **after** installation of the classroom application, to make sure it has received and applied all the correct configurations.

We recommend installing the Classroom App with a tag on teacher devices.

In order for the devices to be configured correctly and to allow teachers to control them, you will need to add students to the teachers classes. You can create classes in **Settings > Classes**.



If you have created classes in Apple School Manager or have linked ASM with your MIS/SIS system then you can import the classes you have already created by using the **Resync Roster** button under **Settings > iOS MDM Settings**

Make sure all relevant devices have been refreshed. You are now able to control with Apple Classroom.

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