

# Uploading Files to Skooler Identity Sync

Created 2019-02-27 by 

Modified 2019-02-27 by 

Contributors 

This documentation explains the ways of uploading files to Skooler Identity. The files may be various XML formats (like IMS, PIFU and GroupCall) as well as CSV files for various usage.

Please view the “**Skooler - SDS Extended Formats**” for details about the School Data Sync CSV files.

## Requirements

You must have a **Customer ID** and a **Customer Secret** (aka “*customer keys*”) to upload files. This applies to both manual and scheduled upload. Please contact Skooler on email [helpdesk@skooler.com](mailto:helpdesk@skooler.com) to get your customer keys.

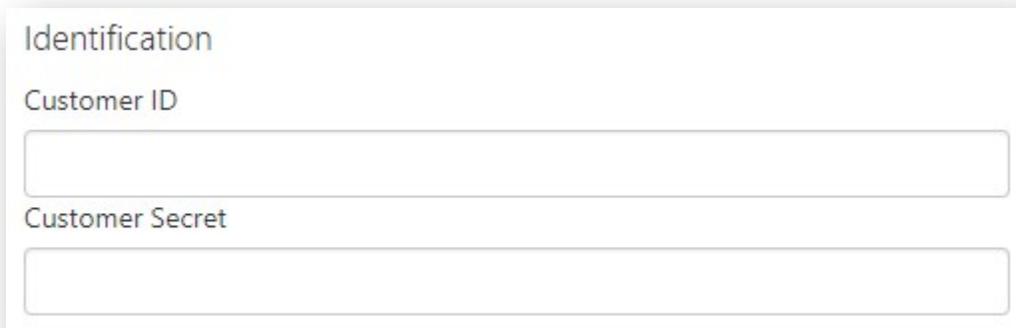
## Manual upload

You may upload your files manually at any time. You will need your *customer keys* and the files to upload from the computer, server or device you want to upload from. The server accepts the following file formats: **XML**, **CSV** and **ZIP**.

Go to the following web address:

<https://sync.skooler.com/>

**Step #1** is to enter the *customer keys* that matches the installation you want the files to apply for.

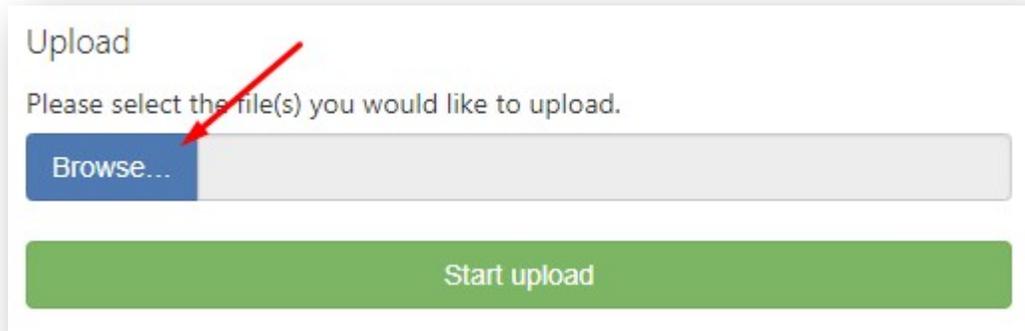


The screenshot shows a web form titled "Identification". It contains two input fields: "Customer ID" and "Customer Secret". Both fields are currently empty.

“Customer ID” may also be referred to as “Client Id” or “App Id”.

“Customer Secret” may also be referred to as “Client Secret” or “App Secret”.

**Step #2** is to select the file (or files) you would like to upload.



You have three slightly different way of uploading the files.

#### Single file

If you are uploading **XML** formatted files, the default and most common way is to upload the file as-is. But you may of course upload one file at the time of you are only uploading an updated **CSV** file when using **SDS** formatted files.

Click the “Browse...” button, select the file to upload and finish by pressing the “**Start upload**” button.

#### Multiple files

This is mostly use when uploading updated **SDS CSV** files. It is also used by customers with **PIFU** files with an additional **CSV** for mapping usernames.

Click the “Browse...” button, select the files to upload. You may select multiple files by holding down the Ctrl button (for PC) and selecting the files you. Finish by pressing the “**Start upload**” button.

#### Single ZIP archive

The last option is to upload a **ZIP** archive file. This is mostly used for uploading a set of **SDS CSV** files, but also an option for customers with very large **IMS XML** files.

Click the “Browse...” button, select the ZIP file to upload and finish by pressing the “**Start upload**” button.

## Scheduled upload

You may also like to have an automated upload scheduled on your environment instead of uploading manually. For that, use the **Skooler Identity Upload Client**. That client is an EXE Application that you run from a Scheduled Task on a computer or server that has the following requirements set:

- Version 4.5 or later of Microsoft .NET framework installed
- Internet connection open to communication over port 443 (HTTPS)
- Can reach the files to upload by a mapped drive letter (i.e. C:\ or H:\)

The upload client does not need to be installed. We provide the application (.exe) and a batch file (.bat) for you to use. Please store the files in your preferred folder on your computer or server.

The files can be downloaded here:

[https://sync.skooler.com/Downloads/skooler\\_upload\\_client.zip](https://sync.skooler.com/Downloads/skooler_upload_client.zip)

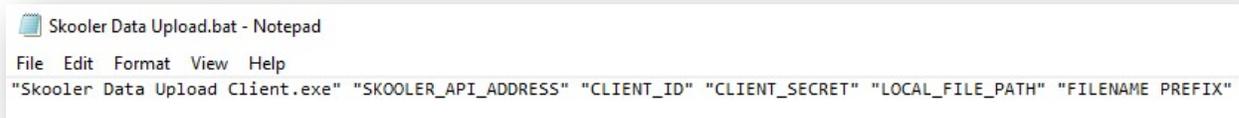
## Setup the Client

The application requires a set of arguments/input parameters. You will find these parameters in the file **Skooler Data Upload.bat** file that comes with the ZIP.

Parameter name	Required?	Description
SKOOLER_API_ADDRESS	Required	The address to Skooler Identity Graph API.  Use the following address: <a href="https://sync.skooler.com/api/v2/schoolsync/upload">https://sync.skooler.com/api/v2/schoolsync/upload</a>
CLIENT_ID	Required	Your provided Customer ID.  Looks like this: 1ABE5110-0E61-4A3A-8537-442CC7CB6BC1
CLIENT_SECRET	Required	Your provided Customer Secret.  Looks like this: SEFG34D2wrTtTkbZpTQt5ME1Y9HeVP10WFC67f3Kfmo=
LOCAL_FILE_PATH	Required	The full path to the file you would like to upload.  Example: H:\SIS Export\SkoolerUpload.XML
FILENAME_PREFIX	Optional	If you <b>don't</b> need file name prefix for your files, remove this. Customer Support will tell when this must be used.  Example: SomePrefix_

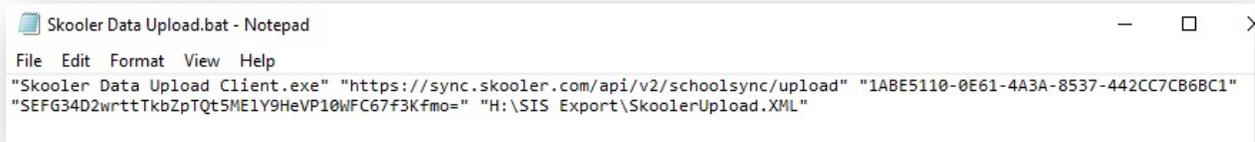
### Example

This is the **BAT** file without any changes.



```
Skooler Data Upload.bat - Notepad
File Edit Format View Help
"Skooler Data Upload Client.exe" "SKOOLER_API_ADDRESS" "CLIENT_ID" "CLIENT_SECRET" "LOCAL_FILE_PATH" "FILENAME_PREFIX"
```

Here is an example of the edited files with correct details from the example above.



```
Skooler Data Upload.bat - Notepad
File Edit Format View Help
"Skooler Data Upload Client.exe" "https://sync.skooler.com/api/v2/schoolsync/upload" "1ABE5110-0E61-4A3A-8537-442CC7CB6BC1"
"SEFG34D2wrTtTkbZpTQt5ME1Y9HeVP10WFC67f3Kfmo=" "H:\SIS Export\SkoolerUpload.XML"
```

Here is an example with file prefix.



```
Skooler Data Upload.bat - Notepad
File Edit Format View Help
"Skooler Data Upload Client.exe" "https://sync.skooler.com/api/v2/schoolsync/upload" "1ABE5110-0E61-4A3A-8537-442CC7CB6BC1"
"SEFG34D2wrTtTkbZpTQt5ME1Y9HeVP10WFC67f3Kfmo=" "H:\SIS Export\SkoolerUpload.XML" "SomePrefix_"
```

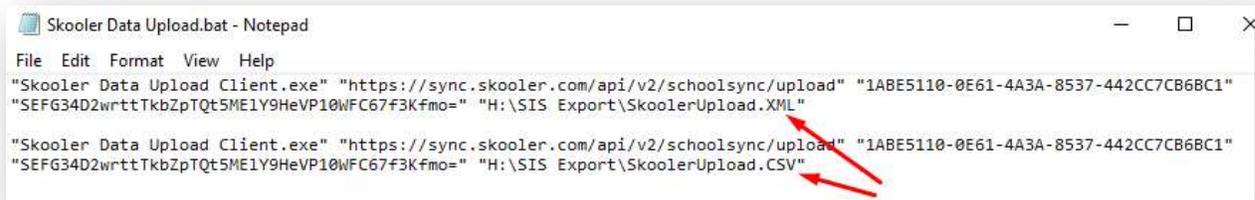
**Important:** These screenshots have word wrap turned on in Notepad for viewing purposes. Make sure this is **one line** without any line breaks anywhere.

### Uploading multiple files in one batch

This applies to those that uses **XML** files that needs more details (like **PIFU** files). Some SIS does not have enough information for persons, like student and teacher usernames in Office 365 (UserPrincipalName/UPN). We have solved this by adding the possibility to supply us with these details in a separate CSV file containing the SIS ID combined with the UserPrincipalName.

It is possible to upload several files in one single batch. You need to copy the line in the batch file and modify the file path into the CSV file.

Here is an example with XML and CSV file uploads.



```
Skooler Data Upload.bat - Notepad
File Edit Format View Help
"Skooler Data Upload Client.exe" "https://sync.skooler.com/api/v2/schoolsync/upload" "1ABE5110-0E61-4A3A-8537-442CC7CB6BC1"
"SEFG34D2wrTtTkbZpTQt5ME1Y9HeVP10WFC67f3Kfmo=" "H:\SIS Export\SkoolerUpload.XML"

"Skooler Data Upload Client.exe" "https://sync.skooler.com/api/v2/schoolsync/upload" "1ABE5110-0E61-4A3A-8537-442CC7CB6BC1"
"SEFG34D2wrTtTkbZpTQt5ME1Y9HeVP10WFC67f3Kfmo=" "H:\SIS Export\SkoolerUpload.CSV"
```

## Setup Scheduling

We recommend customers to upload data to us once a day. It depends on how often the

MIS/SIS/SAS is updated, of course. You don't need to upload more often than daily as the actual sync from the files into Skooler is only done once a day, mostly in good time before the school day starts in the morning.

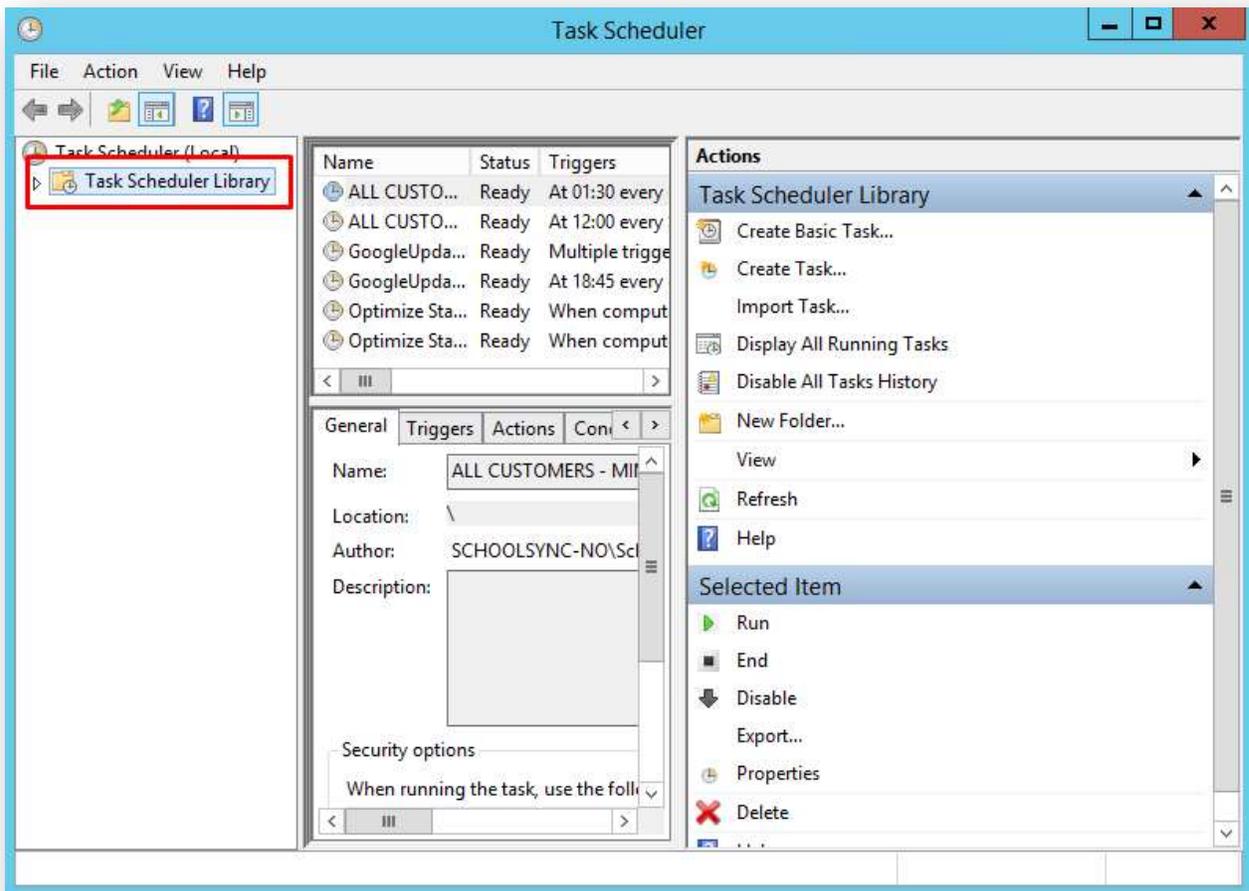
In order to do this, you can add a **Scheduled Task** on the computer or server that automatically runs the batch file on a schedule.

The file path you use is recommended to be a file that is updated and replaced with “fresh” copy occasionally, for this to be a viable solution. This is done in the SIS and not related Skooler.

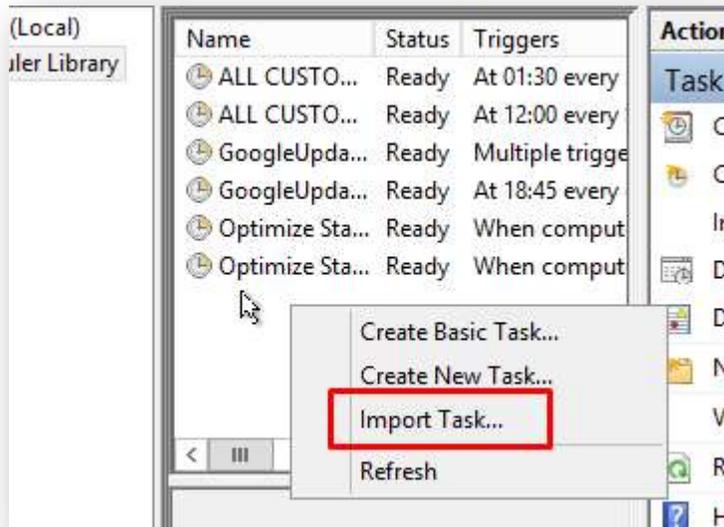
In the installation package, we have included a pre-made Scheduled Task for Windows Server which you are welcome to use if you do not prefer to create/setup your own task.

### Importing a Scheduled Task

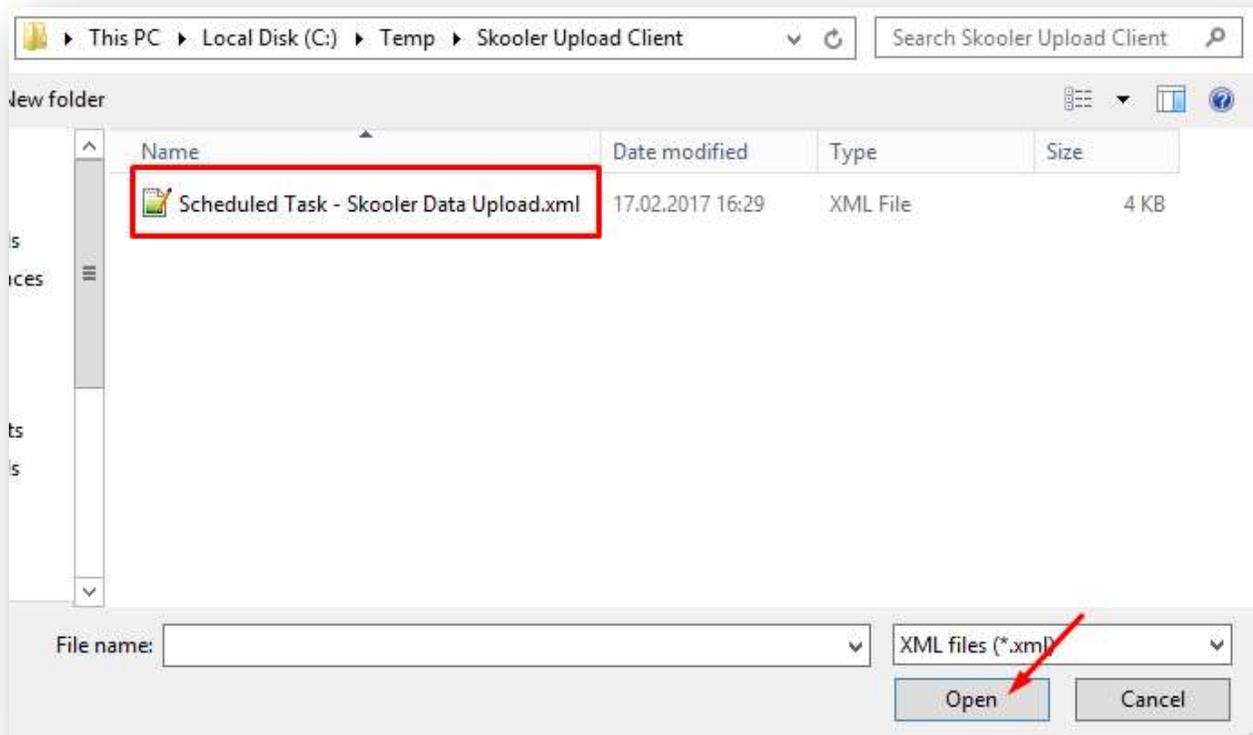
Open the Task Scheduler and navigate to the “Task Scheduler Library”.



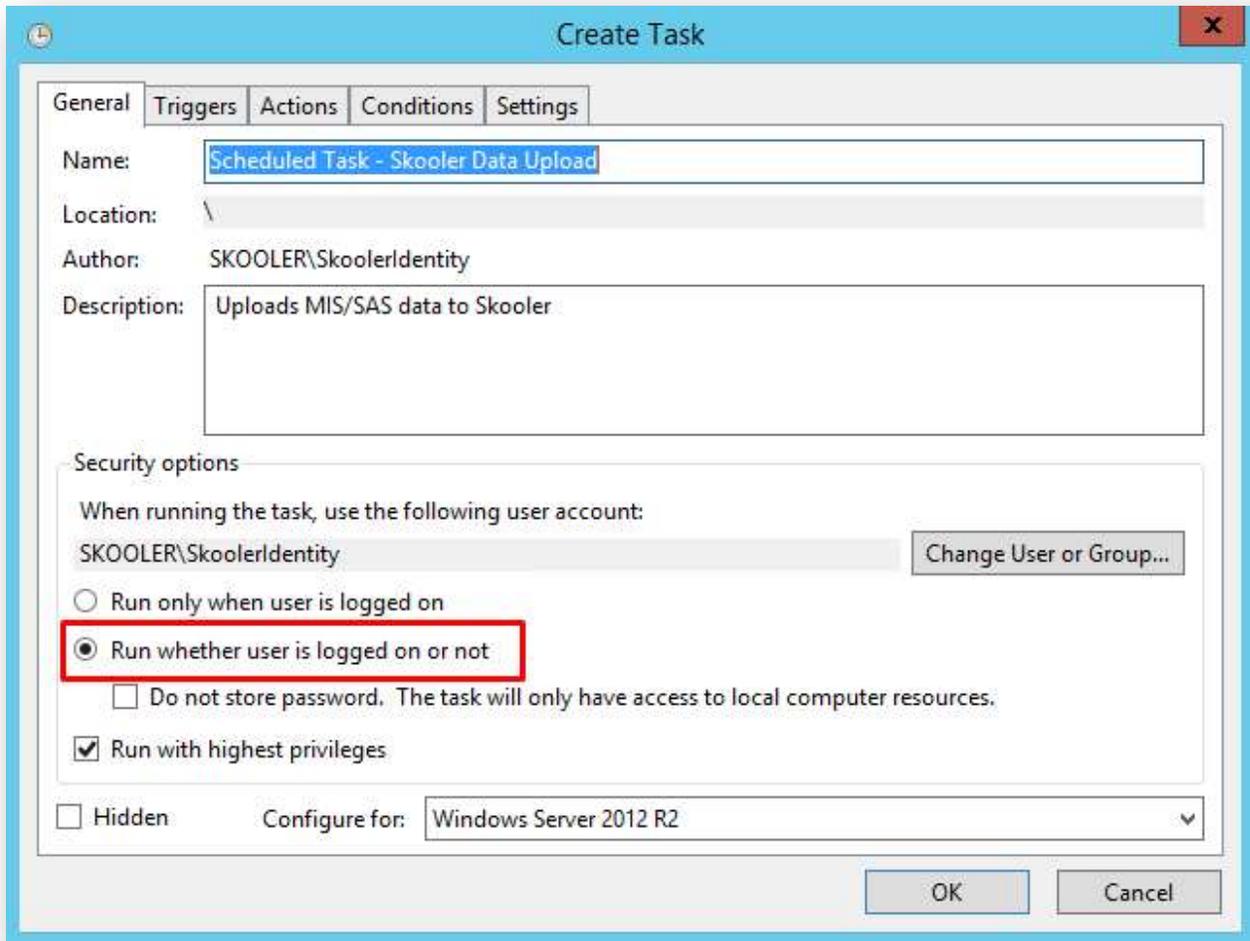
Right click inside the task list and choose “Import Task...”.



Navigate to the XML file “Scheduled Task - Skooler Data Upload.xml” and click “Open”

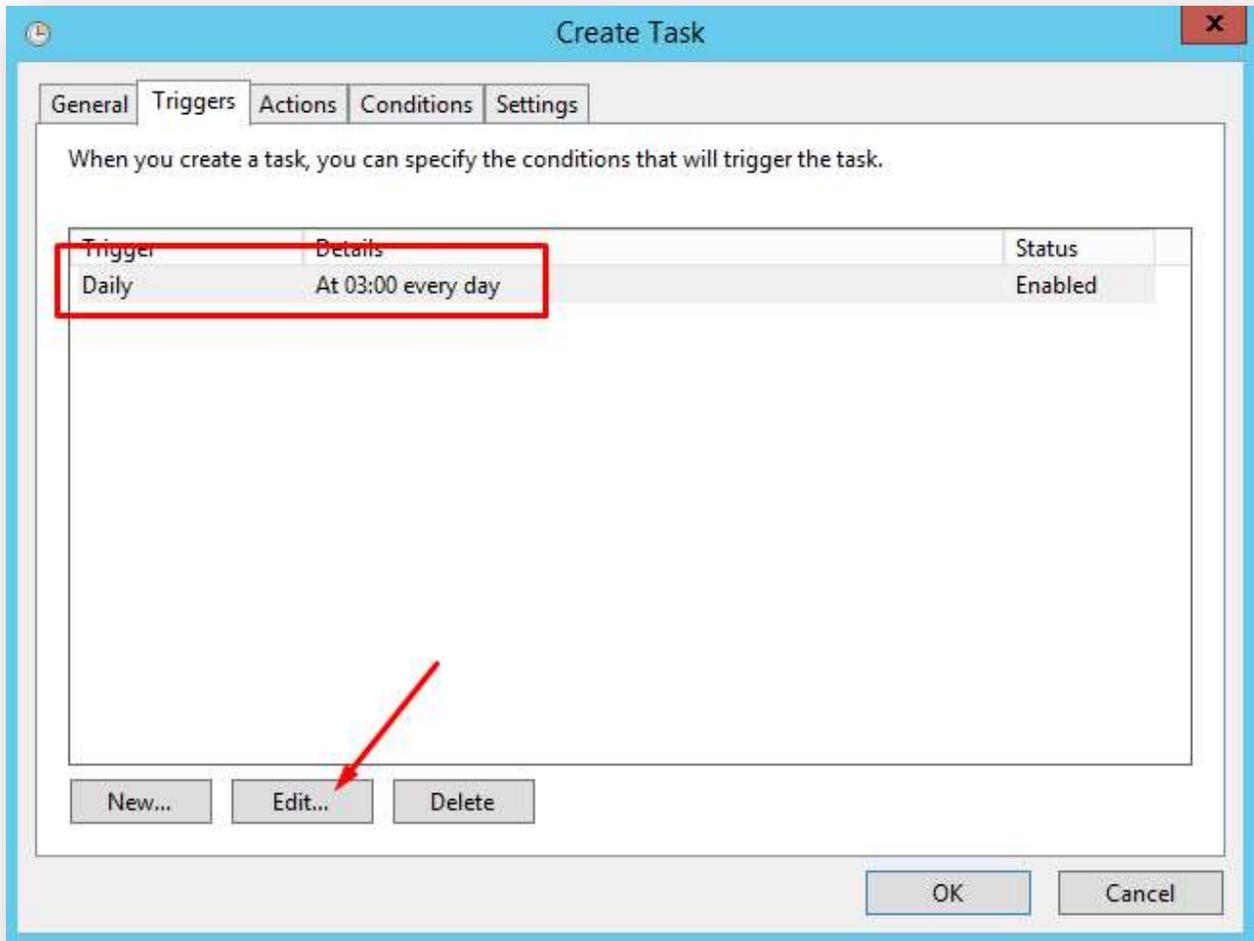


A new dialog will open. This can be used as it is, but you may do any changes you like to.

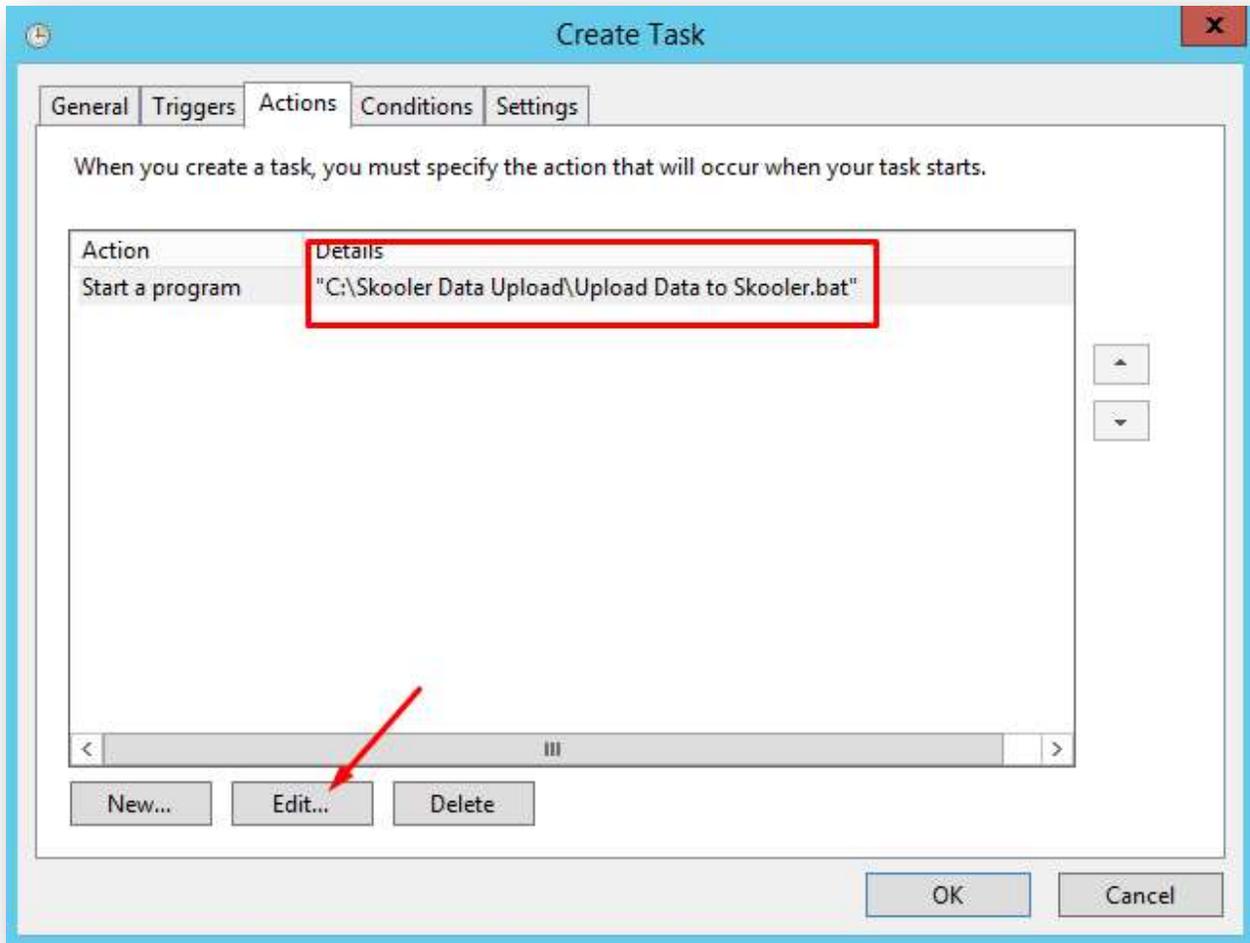


Navigate to the “Triggers” section and edit the time schedule to your preference.

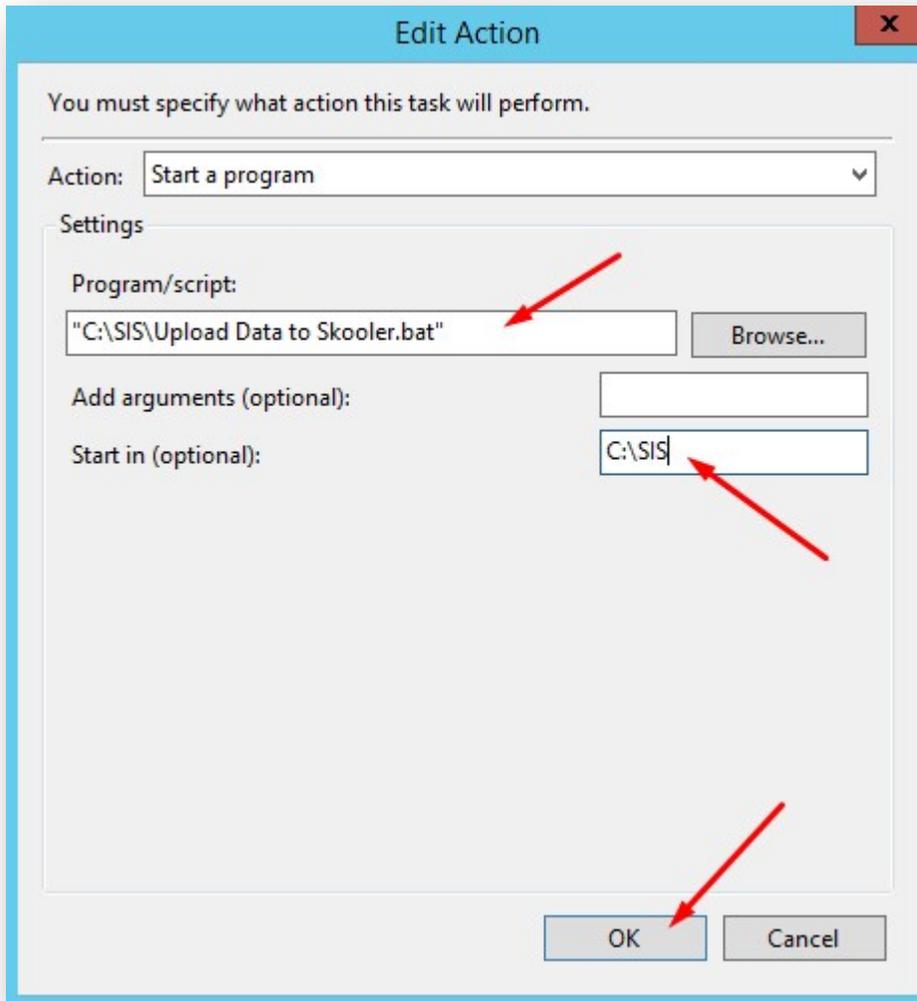
By default, Skooler usually syncs files a 05:00 (5 AM) in the morning every day. You should upload files before that.



Navigate to the "Actions" section to make sure you input the correct file path to the batch file.



Change the file path to where the BAT file is located. In this example "C:\SIS".



Also make sure the "Start in (optional)" is correct.

## Alternative Upload Methods

We have some alternative methods getting your school data to us, like uploading by **POST**ing a data stream directly to our API. Contact us if you need more details about that.

Skooler also supports getting school identity data to us using a webservice/API provided by the SIS. We currently support the following APIs:

- Group Call XPorter On Demand (XoD) API
- Visma Flyt Skole
- PowerSchool
- Skyward