

# MIS Export via the FEM transfer software

---

## Content

### 1 Introduction

How does the FEM transfer actually work and how do I transfer files to Fronter for a nightly import?

How does the FEM transfer tool work?

What does the XML/CSV files do and can I make my own files?

### 2 Setting up FEM software for nightly imports

### 3 How to start the export

My folder contains lots of files, each a new file - how does Fronter know which one to choose?

What if only one single letter is different in a 50 MB XML file?

Can I force upload a file now?

Does the import start after file upload?

## Version control

Version	Date	Description	Responsible
1.0	07.08.2015	Reviewed information from former frontersupport.com and assort into this documentation	Sarah Voit

# MIS Export via the FEM transfer software

## 1 Introduction

The FEM transfer software is a tool for uploading XML or CSV files to your Fronter building.

### **How does the FEM transfer actually work and how do I transfer files to Fronter for a nightly import?**

The FEM transfer tool is a software application that runs on a Windows environment and serves as a file transfer service that transfers XML or CSV files from the local machine to your Fronter building.

The files are automatically imported by Fronter according to the import schedule in your Fronter building (usually set up by Fronter's integration team).

### **How does the FEM transfer tool work?**

The FEM software relies on a webservice that already exists in Fronter. The webservice enables any user that knows the URL to transfer any file to Fronter's import section. However, for the file to be imported it must be a valid file, usually an IMS XML file, but in some cases it can also be a CSV file (for example for updating usernames).

When setting up the FEM software you will be prompted for a URL required by the software to deliver the file to your Fronter building (more in chapter 2).

One Fronter building may have many different imports and thus many URLs - usually one file per school/MIS (student management information system).

### **What does the XML/CSV files do and can I make my own files?**

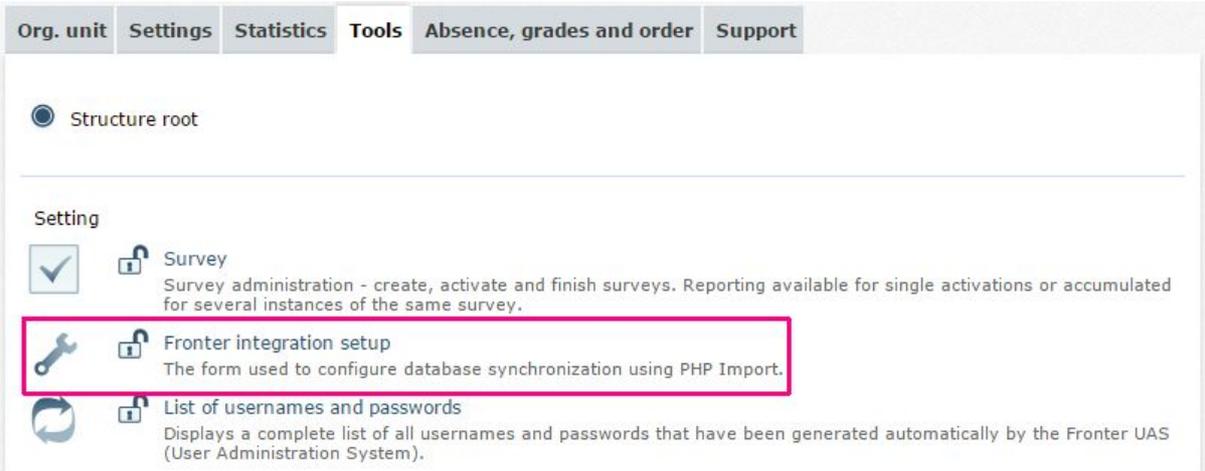
The XML or CSV files contains relevant user information that allows users to be created, updated and deleted, same goes for org. units and rooms. **Note:** If you build your own XML file, the responsibility for the correctness of the data lies with the customer. Please see our [Integration package](#) for more information.

# MIS Export via the FEM transfer software

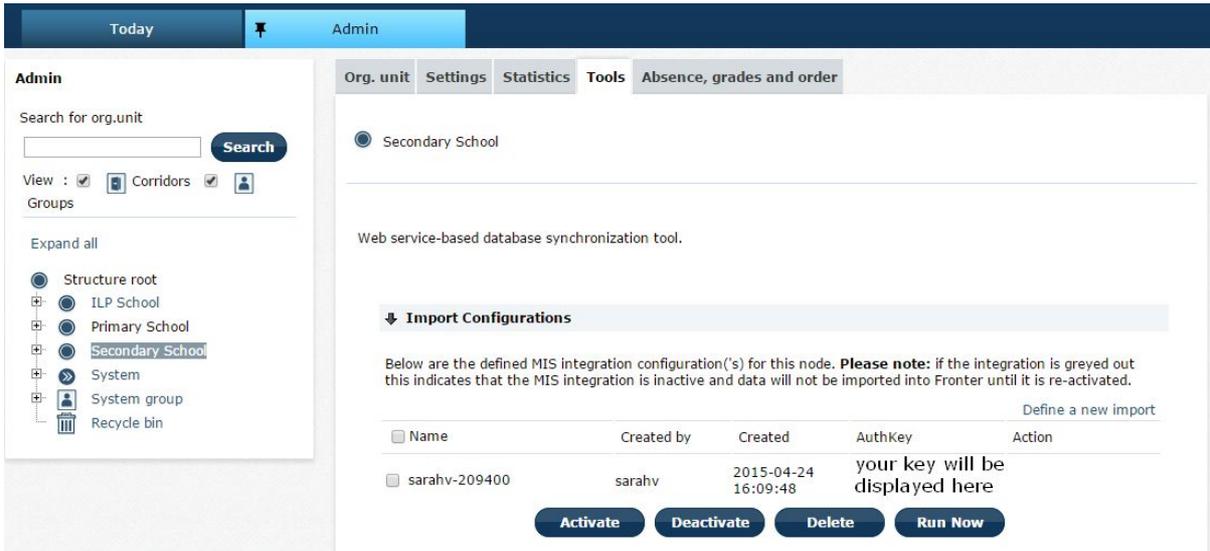
## 2 Setting up FEM software for nightly imports

First you need to setup a new integration in Fronter. Once created you will obtain a url to the Fronter Web Service that will receive your data.

Log on to your Fronter building as admin and go to Admin > Tools > Integration setup.



Fronter will then display a screen showing you the imports that have been setup for your school. If you have a Fronter building with multiple schools and imports you first need to click on the the relevant org.unit (e.g. school name) in the structure tree on the left hand side.



# MIS Export via the FEM transfer software

If you haven't set up an import, click on **Define a new import** to start the setup. Please see our [Integration setup guide](#) on how to set up an integration.

To obtain the URL needed for setting up the FEM software, please click on the name of the import.

Import Configurations

Below are the defined MIS integration configuration('s) for this node. **Please note:** if the integration is greyed out this indicates that the MIS integration is inactive and data will not be imported into Fronter until it is re-activated.

[Define a new import](#)

<input type="checkbox"/> Name	Created by	Created	AuthKey	Action
<input type="checkbox"/> sarahv-209400	sarahv	2015-04-24 16:09:48	your key will be displayed here	<a href="#">Activate</a> <a href="#">Deactivate</a> <a href="#">Delete</a> <a href="#">Run Now</a>

Go to **Scheduling**, the last tab, and click on **Save configuration**. You will then get a receipt containing the URL required to transfer XML files. Copy this URL and save it at a secure place.

General | Transfer | Translator | Tuner | Importer | Finisher | Global | Scheduling

Receipt

### Receipt

**Configuration saved.**

Configure your MIS export utility to send data updates to this URL:

**https://ws.fronter.com/es/?authkey=your key will be displayed here**

✓ Please note that this URL is highly confidential.

Your integration is set to be queued at:

- Monday, Tuesday, Wednesday, Thursday, Friday, Around 5 o'clock.

Note that a queued integration job may begin several minutes after the specified hour, depending on server load.

Show Sent Information

[« Previous step](#)

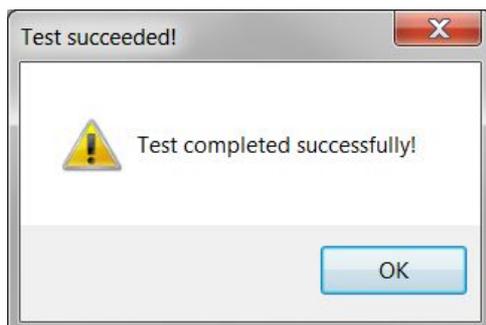
You can now download the latest FEM software from our download section [here](#).

# MIS Export via the FEM transfer software

Go through the installation steps. The installer will ask you for confirmation before it continues to install the FEM Transfer application. After clicking **Next** you will be prompted with a window where you enter the web service URL.

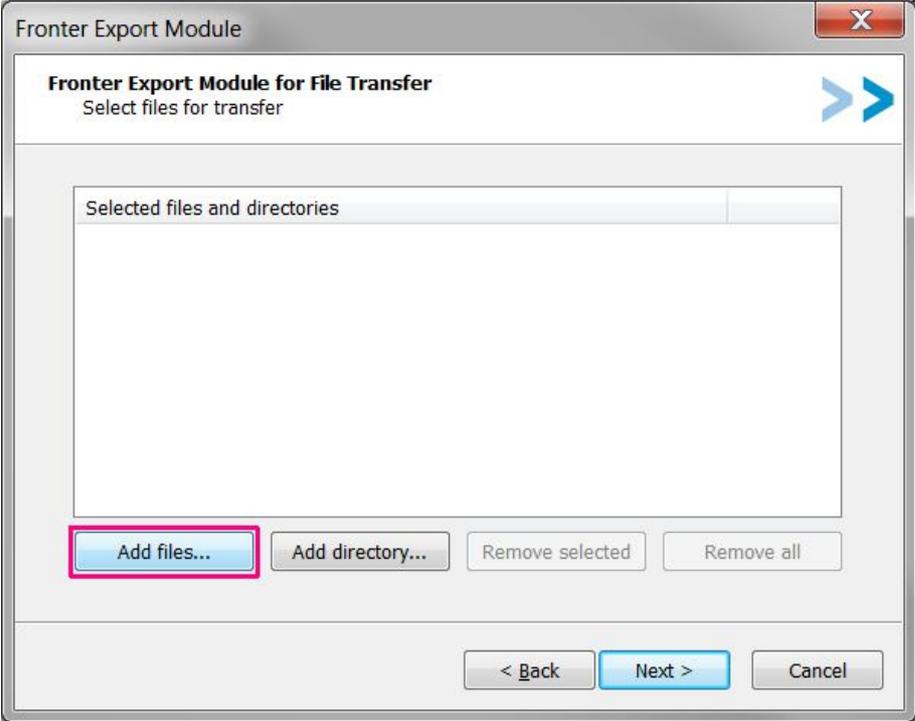


Paste your URL from the Integration setup. Please test that the information is entered correctly by clicking "Test Fronter connection". If the test succeeds, the message below will be shown. Click **OK**.



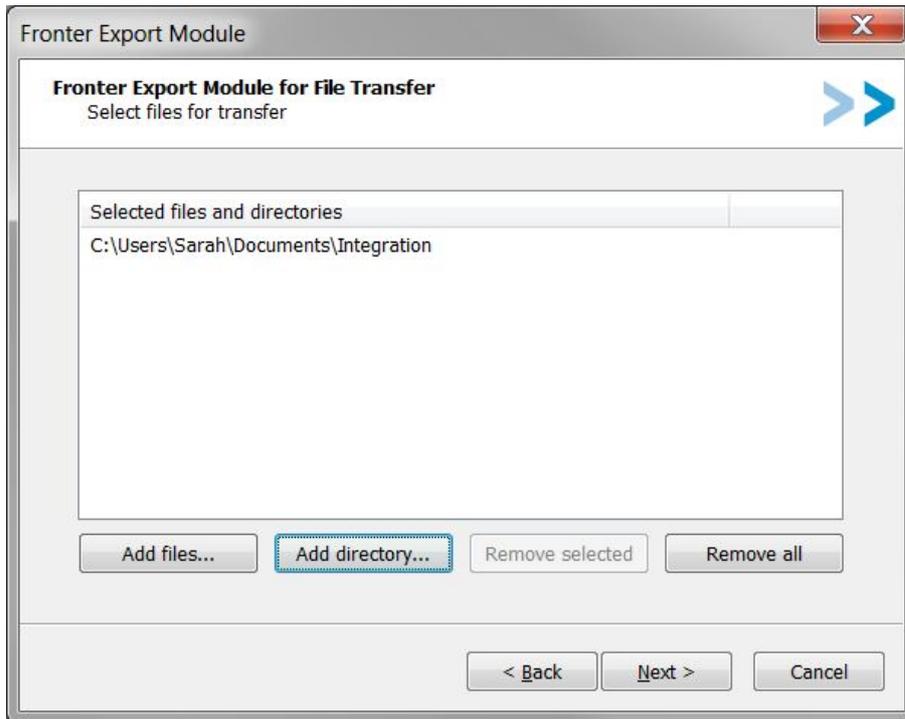
In the next step you will be asked to select files and directories. Click **Add files...**

# MIS Export via the FEM transfer software

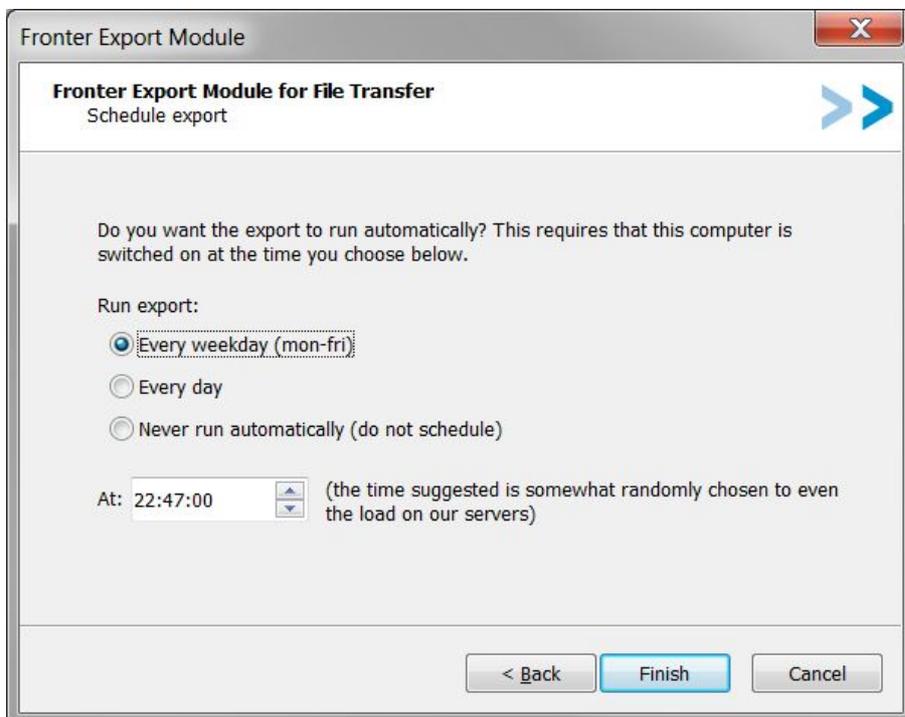


You must now navigate to the folder where the files which were created by the school report are saved. Click on the folder and then click **OK**. You will then see that folder containing the files is now listed.

# MIS Export via the FEM transfer software



Click **Next** and select scheduling. Ensure that the export scheduling matches the configured times in the integration setup.



# MIS Export via the FEM transfer software

It is important that you make sure that your computer is turned on at the time you scheduled the export for. If it is not on, the export will not run and the data in Fronter will not be updated. Click **Finish** to continue. If you've selected to schedule the export, a dialog will ask you for the user credentials for the user account that will run the export. Since you might not be logged in when the export runs, Windows will need this information.

**Note:** The first time Fronter receives the files from your school we will need to do a manual confirmation before the data is imported. Subsequently the data will be imported automatically.

## 3 How to start the export

You have now successfully created a job transferring files from your local folder on your PC to your Fronter integration.

### **My folder contains lots of files, each a new file - how does Fronter know which one to choose?**

Before uploading any file, the FEM tool encrypts the file and creates a unique fingerprint based on the content of the file (reads the code inside). It then compares fingerprints with the Import Configuration tool for all files in the folder, if there is a match, the file is ignored. This ensures only the latest file is transferred to Fronter.

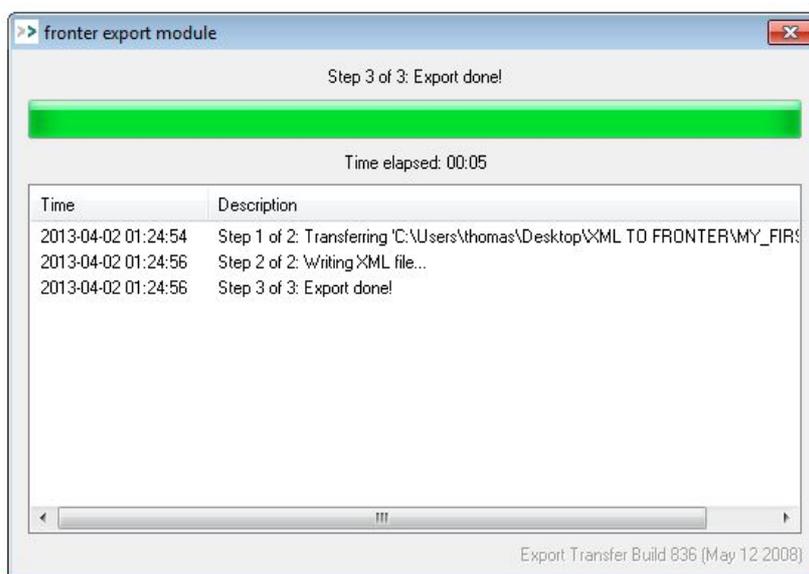
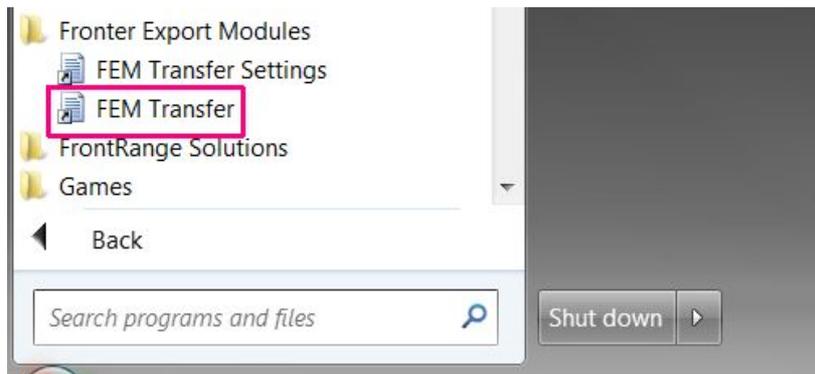
### **What if only one single letter is different in a 50 MB XML file?**

Then the fingerprint looks completely different and the file is uploaded.

### **Can I force upload a file now?**

Yes, by clicking on FEM transfer (available from the start menu, located in All Programs -> Fronter Export Modules -> FEM Transfer) you start an eminent upload to the server from the directory selected.

# MIS Export via the FEM transfer software



If you see "Step 3 of 3 Export done" as pictured above, the file is transferred and received.

## Does the import start after file upload?

No, the import runs every night as scheduled in the integration setup in your Fronter building. It imports only the latest (single) file.

If you need to start the import earlier, you can go to the integration setup tool and click **Run now** on the relevant import.