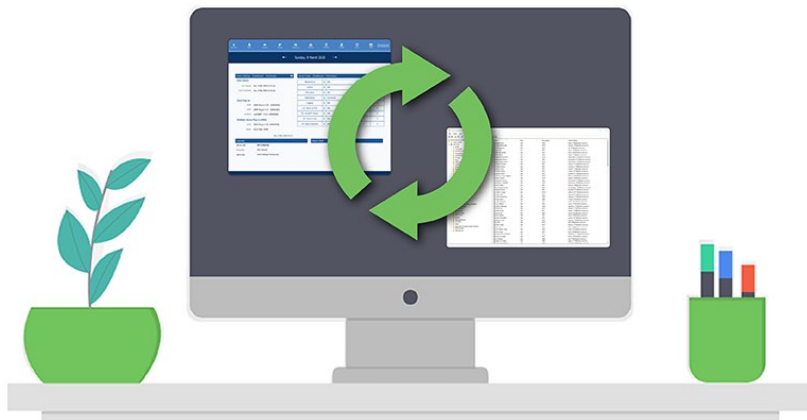




# uSync

The SMS/SIS to Active Directory Management Tool



Version 4.0  
Documentation

# Table of Contents

Prerequisites .....	5
New Install .....	5
Self-signed certificate .....	5
Change Port Number .....	5
Update Install .....	5
Web Interface .....	6
Logging In .....	6
Audit Mode .....	6
Committing Changes .....	7
Export Settings .....	7
Help .....	7
General .....	8
General > SMS .....	8
General > SMS > KAMAR .....	8
General > SMS > Helix / Edge .....	9
General > SMS > Wonde .....	9
General > SMS > Sync Times .....	9
General > Active Directory .....	10
Domain .....	10
Primary Domain Controller .....	10
Username and Password .....	10
General > Data and Logging .....	11
Days to Keep Data and Log files .....	11
Data File Options .....	11
Email Log Options .....	11
General > Email .....	13
General > Google API .....	13
General > Licence .....	14
General > User Login .....	15
General > Cache Status .....	15
General > Telemetry .....	16
Check-in Service (Always On) .....	16
Sync Data Sharing (Opt-Out Available) .....	17
Sync Log Upload (Separate Toggle) .....	17
Privacy .....	17
Students .....	18
Students > General .....	18
Process Student Accounts .....	18

Processing Threshold .....	18
Username Strategy .....	18
Process Username Changes .....	19
Usernames Exceeding 20 Characters .....	19
Password Source .....	19
<b>Students &gt; New Accounts .....</b>	<b>20</b>
Create New Accounts.....	20
Account Creation Lead Time .....	20
Send New User Accounts Email .....	21
Use Default Password .....	21
Allow Reversible Password Encryption .....	21
User Cannot Change Password Flag.....	21
Users Password Never Expires Flag .....	21
Change Password at Next Logon Flag .....	21
Prestage Google Account (requires Google API to be configured) .....	21
Send Email to New Account .....	21
Email New Account > Subject .....	22
Email New Account > Body .....	22
<b>Students &gt; Leavers.....</b>	<b>23</b>
Process Leaver Accounts.....	23
Immediately Disable Account .....	23
Remove Groups.....	23
Account Grace Period .....	24
Remove Expired AD Account .....	24
Archive Home Directory.....	24
Home Directory Base Location.....	24
Home Directory Archive Location .....	24
Leaver Reminder Email .....	25
Send Email to Leaver Accounts.....	26
Reminder Period .....	26
Leaver Email Subject .....	26
Leaver Email Body.....	26
<b>Students &gt; OUs .....</b>	<b>27</b>
Base.....	27
Add OU Entry .....	27
Leaver.....	27
<b>Students &gt; Attribute Mapping.....</b>	<b>28</b>
Process User Attribute Changes.....	28
Required Attributes .....	28
Add Attribute Mapping .....	29
<b>Students &gt; AD Groups.....</b>	<b>30</b>

Process Groups .....	30
User Group Types to Process .....	30
Add Group.....	31
Default Group Type (Mandatory) .....	31
Common Group Type.....	31
Year Group Type .....	31
Boarder Group Type.....	31
Leaver Group Type.....	31
Exception Group Type.....	31
Exception OU Type.....	31
Exception Wildcard Type .....	32
Students > Account Exceptions .....	33
User Account Exceptions .....	33
Staff.....	34
OU's.....	34
Groups.....	34
SMS Groups .....	35
Add Group Config.....	35
SMS Groups > Group Configuration .....	36
Process .....	36
Staff as Manager .....	36
Name Format .....	36
Capitalise Name / Hyphenate Name / Remove Whitespace .....	36
Description.....	36
Email Format.....	37
Organisational Unit .....	37
Exceptions.....	37
Year-Level Variants .....	37
External Commands.....	38
Process External Commands.....	38
Command Settings.....	38
Name.....	38
Command.....	38
Parameters.....	38
When to Run .....	39
Sync Type .....	39
Which Accounts .....	39
Apple School Manager [EXPERIMENTAL] .....	40
Logs.....	41
Log Viewer .....	41
Merge Fields .....	42

Configuring KAMAR Directory Service for uSync.....	44
Configuring Helix / Edge for uSync .....	46
Configuring Wonde for uSync.....	47
Help and Support.....	47

# Installation

## Prerequisites

- Windows Server 2012 R2 (64bit) or newer (untested on anything older, please contact support)
- [ASP.NET Core Runtime 10.0.5+ Hosting Bundle](#)
- Windows [Powershell 5.1](#) or higher
- Recommended: Enable [Active Directory Recycle Bin](#)

## New Install

Install uSync on your Primary Domain Controller. While uSync does not have to be installed on the Domain Controller, it is highly recommended to reduce possibility of issues.

The installer will create a Windows firewall rule for the default port of 5005.

### Self-signed certificate

The installer runs the uSync\_Create\_Cert.ps1 (located in the Scripts folder) to generate a self-signed certificate required for the application to run.

### Change Port Number

If you need to change the port the application works on, edit the appsettings.json file and alter the line;

```
"urls": "https://*:5005",
```

With the port number you want. Note: you will also need to update the Windows firewall entry for uSync with the new port number.

## Update Install

**\*Before any updates, it's always good practise to save/backup a copy of the settings.json file.**

Updates will be installed directly over the top of the current installation. The upgrade process will stop and restart the service once installed.

**IMPORTANT:** Always put uSync into Audit Mode after installation and initiate a sync to verify everything is working as it should. Once verified, take uSync out of Audit Mode and you are ready to go.

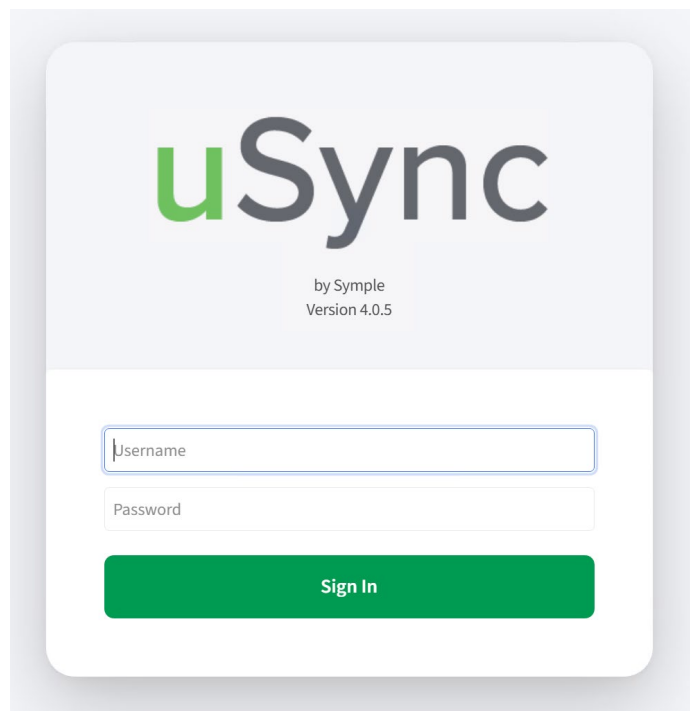
# Configuration

The configuration of uSync is managed by its web interface available via the configured port on the server its installed on.

From the server, in a web browser, go to: <https://localhost:5005> (if you have changed the port, enter the changed port number).

From a client desktop, go to: <https://<server name>:5005> (replacing <server name> with the name or IP address of the server you install uSync on).

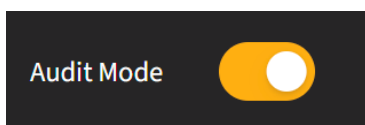
## Web Interface



## Logging In

The default username and password is 'Admin'. Once logged in, this can be changed under [General > User Login](#).

## Audit Mode



With Audit Mode enabled, you can perform a sync without uSync making any changes to your Active Directory. The sync log will report any changes that would have been made.

The use of Audit Mode is important when first setting and configuring uSync as well as when making significant changes to the configuration and after updating to a new version to verify everything is working as it should.

## Committing Changes

Last Commit: 7/04/2026 8:47:00 PM

✓ Commit Changes

Changes to the settings are live (running configuration). To permanently save the settings, click the Commit Changes button in the upper right corner. This will write the changes to the settings.json file.

Note the last time the settings were committed will be displayed beside the Commit button.

## Export Settings

↓ Export Settings

Use the Export Settings button to download a copy of the active settings.

## Help

HELP

uSync documentation is built into the UI. Clicking the blue help tab will open the help documentation relevant to the page and section you're in and will adjust as you move around the UI.

### Help & Documentation

#### SMS

##### Student Management System Selection

Choose your Student Management System (SMS) provider:

- **KAMAR** - New Zealand school management system
- **Helix/Edge** - New Zealand school management system
- **Wonde** - Education data platform

#### KAMAR Settings

If using KAMAR, configure:

- **Username:** Your KAMAR API username
- **Password:** Your KAMAR API password
- **Process 'Full' sync data:** Enable full synchronization
- **Process 'Part' sync data:** Enable partial/incremental sync
- **Remove Core Option Trails:** Remove -0 and -1 suffixes from class group names

#### Full vs Part Sync

KAMAR provides two types of sync data:

- **Full Sync:** Triggered overnight by KAMAR, contains complete data for all students and staff. This is your primary synchronization.
- **Part Sync:** Triggered by specific field updates in KAMAR (such as password changes). Contains partial data for affected users only.

**Recommendation:** Enable both Full and Part sync for complete coverage. Part sync ensures password changes and urgent updates are processed quickly without waiting for the overnight full sync.

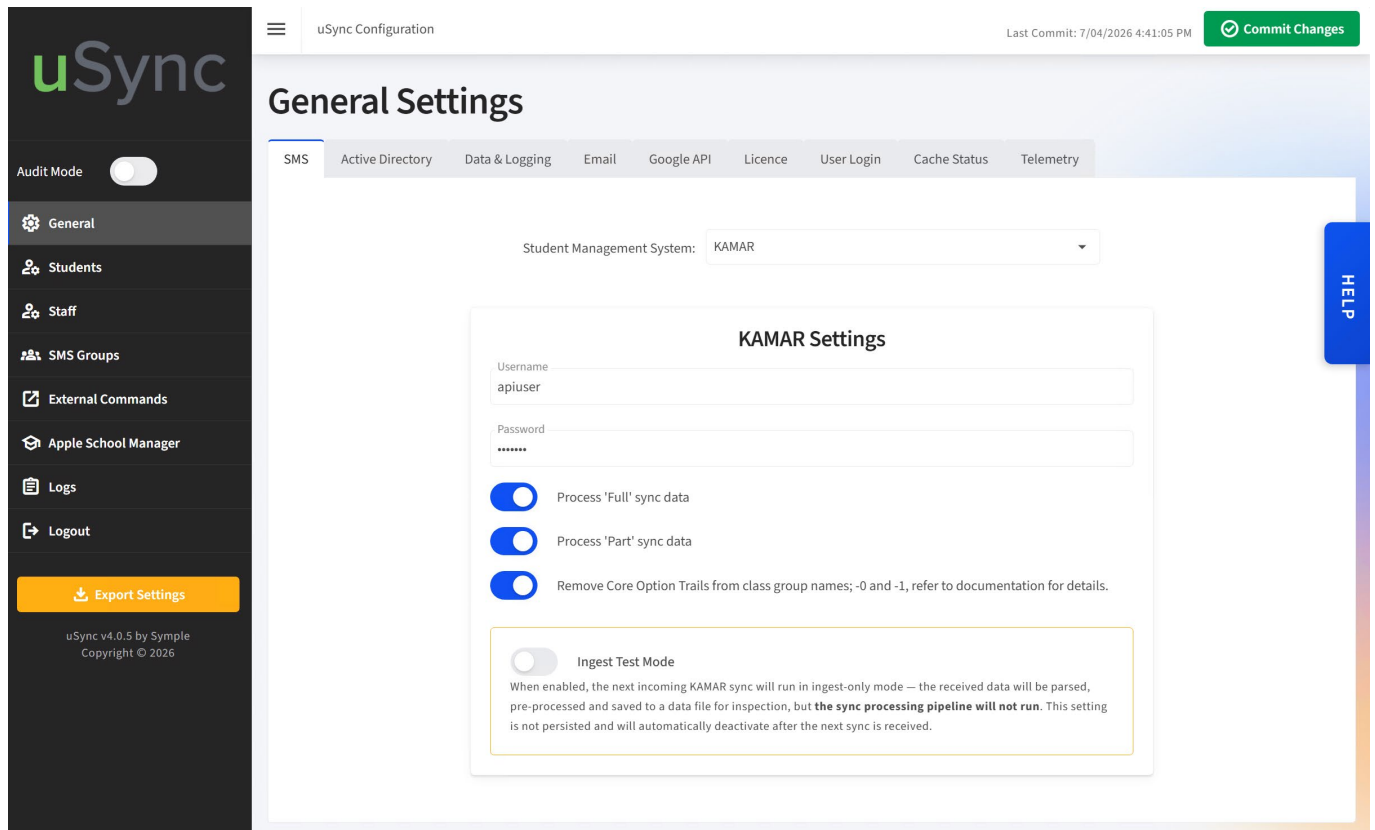
#### Remove Core Option Trails

When enabled, this removes the **-0** and **-1** suffixes from KAMAR class group names:

- **12PHY-1-0** becomes **12PHY-1**



## General



## General > SMS

The SMS tab is where you choose the SMS (Student/School Management System) in which your school uses.

Depending on the selected SMS, various options will be displayed relevant to the respective SMS on this tab and in other sections of the configuration.

Applying a licence key will set the SMS automatically and the option to change will be removed.

### General > SMS > KAMAR

Enter the username and password for communication from KAMAR. This can be anything but must match within the Directory Services configuration for uSync in KAMAR.

Enable which sync data you want uSync to process from KAMAR.

Full sync is the overnight sync where all student and staff data is sent from KAMAR to be processed.

Part sync is the partial sync data (1 or more users) when certain fields are updated within KAMAR, i.e. password.

Remove Core Option Trails; Enable this to remove the trailing -0 & -1 from class names. E.g. 12PHY-1-0 becomes 12PHY-1, 13HIS-3-1 becomes 13HIS-3. It will not remove -2, -3, etc... as to not cause naming conflicts when there are multiple of the same class.

**Ingest Test mode:** Use this to test the ingest/capture data without running the sync process.

## General > SMS > Helix / Edge

No SMS specific configuration, see Sync Times.

## General > SMS > Wonde

No SMS specific configuration, see Sync Times.


## General > SMS > Sync Times

Set your Daily Sync Time for uSync to pull data from the chosen SMS/SIS's API and process the data. This is typically set for early morning before school starts.


You can add an additional 4 sync times to sync periodically throughout the day. These additional times need to be set in chronological order and must be a minimum of an hour beyond the previous time.

Times are in 24 hour format.

Daily Sync Time: 07:00





\*Changes to sync schedules requires a restart of the service. Don't forget to save the config first!


 Add Additional Sync Time

Additional Sync Times:

Time: 10:00



 Test API Ingest

 Sync Now

Test API Ingest fetches all data from the Helix API, pre-processes it and saves it to a data file for inspection. **The sync processing pipeline does not run** — no comparison against existing AD accounts is performed. The job is visible in the sync log on completion.

**NOTE: Any changes to the sync times will require the uSync service to be restarted.**

### General Settings

[SMS](#) [Active Directory](#) [Data & Logging](#) [Email](#) [Google API](#) [Licence](#) [User Login](#)


Domain


Full Active Directory Domain name


Primary Domain Controller

Username

User with Domain Admin rights

Password 

 Edit AD User

 Check AD Connection

### Domain

Enter your full AD Domain name

*Example: abcd.local or abcd.school.nz*

### Primary Domain Controller

Enter the FQDN (Fully Qualified Domain Name) of your Domain Controller.

*Example: dc.abcd.local*

### Username and Password

Click on the Edit AD User button and enter the AD User account with Domain Admin rights, then click Update.

NOTE: This account also needs to have full rights over any directories where user profile and home drives reside.

Use the Check AD Connection button to confirm the credentials are valid for Active Directory.

### General Settings

SMSActive DirectoryData & LoggingEmailGoogle APILicenceUser LoginCache StatusTelemetry

Days to keep data and log files  
30

**Data File Options**

☒ Save Sync DataData Format: ☒ JSON ☐ XML

**Email Log Options**

☒ Email sync log (Full Sync only)

Send email to

Send log email when  
Always

Log delivery format  
Statistics Only (No Log)

**Current Configuration:**

- Log will be sent after every Full Sync
- Format: Statistics only (no log file)

HELP

### Days to Keep Data and Log files

Specify the number of days you would like to keep a copy of the processed data received from your SMS and the Logs files generated from each sync.

uSync will remove any data and logs files older than the number of days specified after every sync.

### Data File Options

**Save Sync Data:** Enable this option to save a copy of the processed data received from your SMS. These data files contained the processed data from uSync, not the raw data from the SMS.

You can choose which file format you prefer, JSON or XML.

### Email Log Options

**Email Sync Log:** Enable this option and enter an email address to receive a copy of the sync log.

For KAMAR users, this is only the full/overnight sync, not each individual partial sync.

**Send log email when:** choose if to always send every log, or only when there are Errors or only if the are Warnings or Errors.

**Log delivery format:** choose to attach the log file, Embed the log in the email or only email sync statistics (No Log).

General > Email

General Settings

SMSActive DirectoryData & LoggingEmailGoogle APILicenceUser Login

From Name

From Email

Cc

Bcc

SMTP Server

SMTP Port

Use SSL/TLS

SMTP Username

SMTP Password

Send Test Email

Enter your email server settings and use the Send Test Email button to confirm uSync can send emails.

General > Google API

General Settings

SMSActive DirectoryData & LoggingEmailGoogle APILicenceUser LoginCache StatusTelemetry

No Google Auth File

google.json file not found.  
To use the pre-staging of Google accounts option, please refer to page 10 of the documentation to obtain the google.json API authentication file.

Google API user account

Email address of the Google Workspace account used to create the API access.

HELP

Use of the Google API is for schools that use Google Workspace and require the user accounts to be created with the same password with the one form your SMS or the one generated by uSync.

**NOTE:** uSync only creates the basic user account in Google for new users at the same time it creates their AD account. uSync does not make any further changes in Google Workspace on subsequent syncs.

To use the Google API, you need to create an API project from the Google Cloud site.  
This documentation won't go into detail, but the basic points below should be enough to find your way through.

Go to: <https://console.cloud.google.com/apis> make sure you are logged in with your google domain admin account.

Create a new Project 'uSync'. Switch into the created project. If prompted to choose Internal or External user type, choose Internal.

## Library

- Search and Enable the Admin SDK API.

## Credentials

- Create Service Account – give account a name and click Done.
- Click on the created Service Account, copy Unique ID from Details page.
- In a new browser tab, go to: <https://admin.google.com/ac/owl/domainwidedelegation>
- Add API client, paste Unique/Client ID in Client ID field.
- Add the Scopes listed below and Authorize:
  - <https://www.googleapis.com/auth/admin.directory.user.security>
  - <https://www.googleapis.com/auth/admin.directory.user>
- Go back to previous browser tab, click 'KEYS' tab.
- Add Key, Create new key, Select JSON, click Create, save the downloaded file to the uSync application directory as 'google.json'.

Add the user account (email) that you used to create the API access in the Google API user account field.

## General > Licence

**General Settings**

SMS   Active Directory   Data & Logging   Email   Google API   **Licence**   User Login   Cache Status   Telemetry

**Valid Licence:** False

**School Name:** Invalid Licence Key

**School Number:**

**SMS:** KAMAR

**Locale:** NZ

**Email:**

**Licenced Version:** 3.0

**Expires:** 01/01/2025

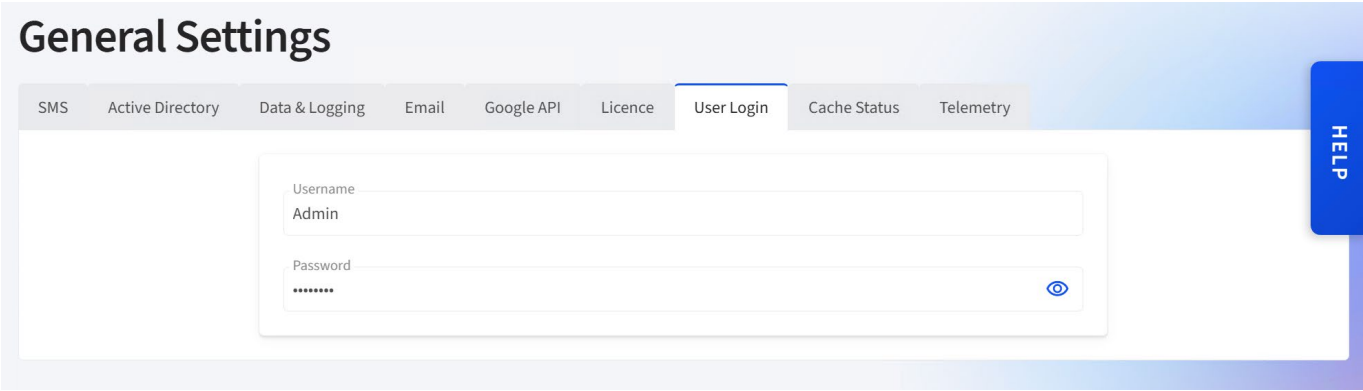
Apply Licence Key

HELP

To apply your uSync licence, click on the Apply Licence Key button and enter the licence key provided by uSync.  
Once successfully applied, the details should be visible on this tab.

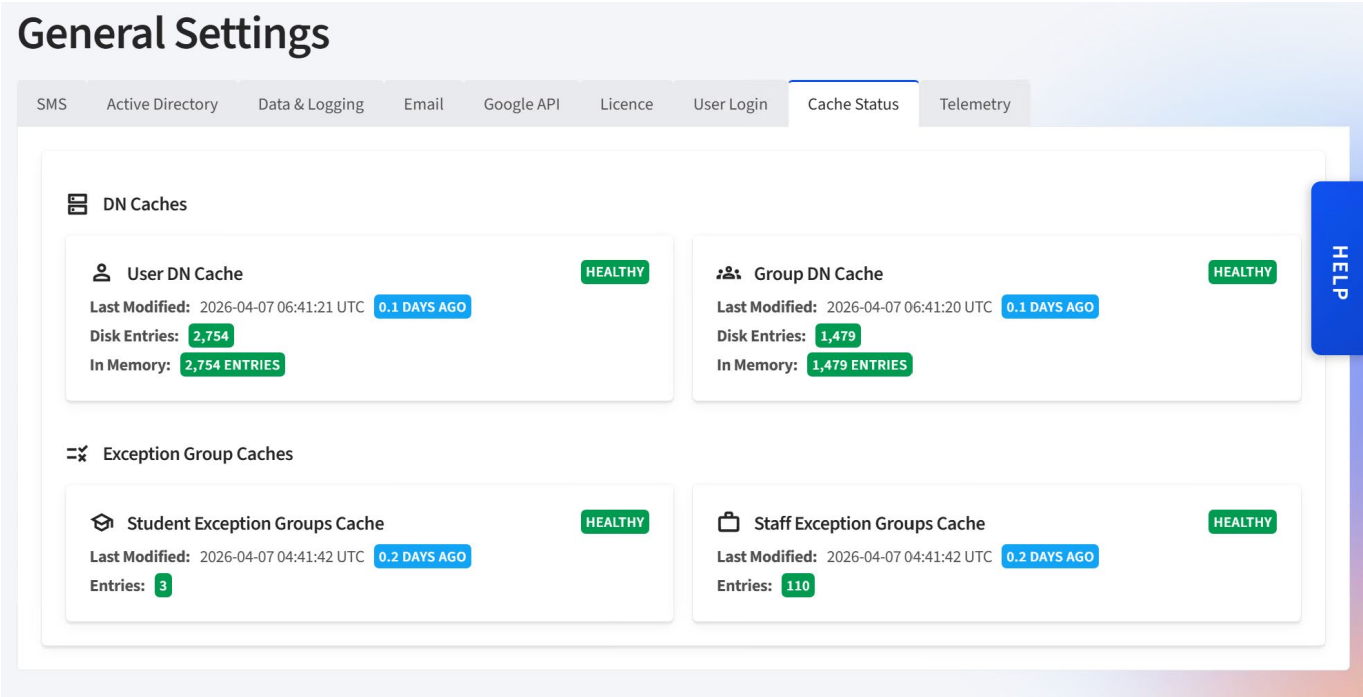
**NOTE:** Without a valid licence, uSync will not run any sync processes.

General > User Login



The User Login tab is where you can change both the username and password for access to this web interface. Default is Admin / Admin. Both username and password are case sensitive.

General > Cache Status



New in version 4 is the use of caches of users, groups and exception groups which are built at the start of each sync to reduce the number of lookups against Active Directory and speeds up the sync process.



### General Settings

SMS Active Directory Data & Logging Email Google API Licence User Login Cache Status **Telemetry**

#### Telemetry & Check-In

##### Always-On: Check-In Service



uSync periodically checks in with the uSync Management Portal every 6 hours. This is required for licence key management and cannot be disabled.

The check-in transmits only your licence key and application version — no sync data or personally identifiable information is sent.

##### Sync Data Sharing

After each full sync, uSync can send the following aggregate statistics to the uSync Management Portal:

- Sync status (success/warnings/errors)
- Sync timestamp (when sync started)
- Student Management System (SMS) type
- Sync duration in seconds
- Error and warning counts
- uSync application version
- Group statistics: synced count, added count, removed count
- Student statistics: synced, added, removed, disabled, current, future, leavers
- Staff statistics: synced, added, removed, disabled, current, future, leavers



Sync Data Sharing

When enabled, aggregate sync statistics are sent to the uSync Management Portal after each full sync.

Periodic check-ins for licence management will continue to operate regardless of this setting.

Note: Disabling sync data sharing may limit the ability of your Managed Service Provider or uSync Support to proactively monitor your installation.

##### Sync Log Upload



Upload Full Sync Log File

When enabled, the full sync log file is uploaded alongside sync statistics. This enables remote troubleshooting by uSync Support without requiring manual log collection.

Sync logs may contain usernames and account information but never passwords or credentials. Logs are not uploaded during audit mode or when DEBUG logging is active.

HELP

### Check-in Service (Always On)

The Check-In service runs automatically every 6 hours and cannot be disabled. It is required for:

- **Licence key management** — automatic licence renewals and updates
- **Managed Service Provider (MSP) detection** — linking your installation to your MSP
- **Application version reporting** — ensures compatibility checks

The check-in transmits only your licence key and application version. No sync data, usernames, or personally identifiable information is sent during a check-in.

## Sync Data Sharing (Opt-Out Available)

After each Full Sync completes, uSync sends aggregate sync statistics to the uSync Management Portal. This can be disabled via the **Sync Data Sharing** toggle.

When enabled, the following statistics are transmitted:

- Sync status (success/warnings/errors)
- Sync timestamp and duration
- Student Management System (SMS) type
- Error and warning counts
- uSync application version
- Group statistics: synced count, added count, removed count
- Student statistics: synced, added, removed, disabled, current, future, leavers
- Staff statistics: synced, added, removed, disabled, current, future, leavers

This data is retained for **30 days** and enables:

- Historical sync analysis and trend monitoring
- Proactive identification of potential issues by your Managed Service Provider

**Note:** Disabling sync data sharing may limit the ability of your Managed Service Provider or uSync Support to proactively monitor your installation.

## Sync Log Upload (Separate Toggle)

When enabled, the full sync log file is uploaded alongside sync statistics after each Full Sync. This is a separate toggle from Sync Data Sharing and requires Sync Data Sharing to be enabled.

This enables remote troubleshooting by uSync Support without requiring manual log collection. Sync logs may contain usernames and account information but **never passwords or credentials**. Logs are not uploaded during audit mode or when DEBUG logging is active.

## Privacy

- Check-ins transmit only licence key and app version — **no PII**
- Sync statistics contain aggregate counts only — **no PII**
- Sync logs may contain usernames and names but **no passwords or sensitive credentials**
- All data is transmitted securely to the uSync Management Portal only
- Sync data sharing and sync log upload can each be independently disabled
- Check-ins cannot be disabled as they are required for licence management

### Student Accounts Configuration

[General](#) [New Accounts](#) [Leavers](#) [OUs](#) [Attribute Mapping](#) [AD Groups](#) [Account Exceptions](#)

☒ Process Student Accounts

Processing Threshold  
80

Processing will be halted if the percentage difference between the number of students (between sync jobs) is below the threshold number.

**Username Strategy**  
Choose how uSync obtains the username. It can be direct from the data source (if provided), derived from the email address or by using a formula.

Strategy: 

Data Source

☐ Honor KAMAR Set 'Disable Account'

☒ Process Password Changes

☒ Process Username Changes

HELP

## Students > General

### Process Student Accounts

This option will enable processing of student accounts.

### Processing Threshold

Before processing a sync, uSync will calculate the percentage difference between the number of staff/students from the last sync to the current sync. The default of 80% means if the number of students from the data received is less than 80% of the previous number then the sync will be cancelled.

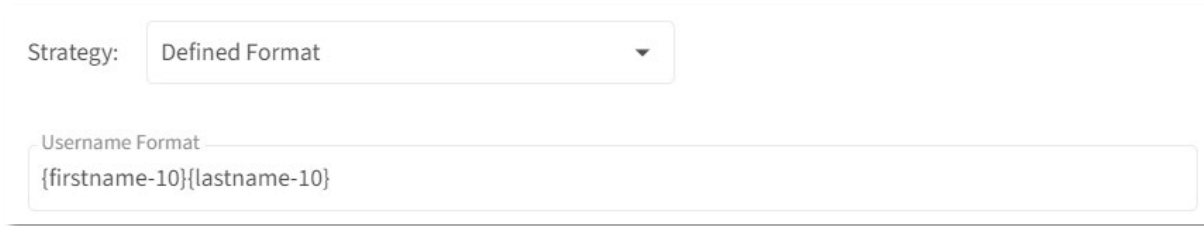
This is a safeguard in case there is an issue with the data received. The average 20% difference will account for year 13 leavers for most schools depending on size.

### Username Strategy

uSync can employ 3 different strategies for defining the user's username. This is dependent on the available SMS data. If the username is available direct from the data source, then choose 'Data Source'. If you want to derive the username from the users email address (provided the email address is in the data received) uSync will consider everything in front of the @ symbol to be the username of the user.

Lastly, uSync can generate a username based on a definable format.

The defined format can use various merge fields of the user's data. See [Merge Fields](#) for more information.



Strategy: Defined Format

Username Format  
{firstname-10}{lastname-10}

*Defined Format example.*

## Process Username Changes

Enable this option to keep a user's username in-sync (enabled by default) with the received data.

## Usernames Exceeding 20 Characters

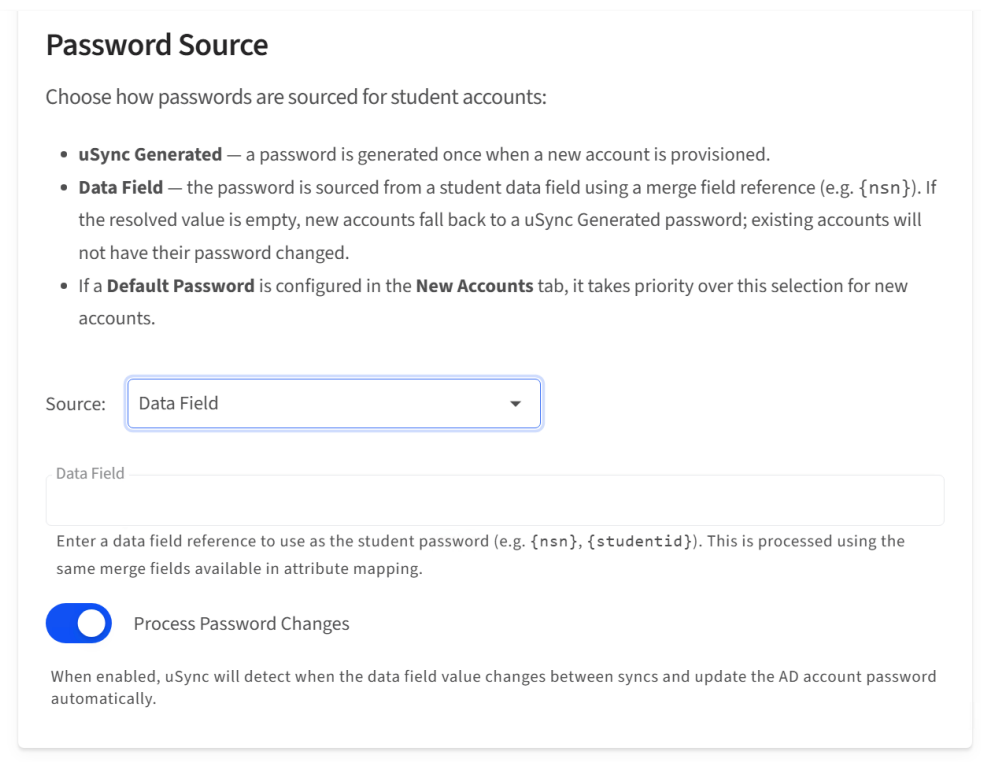
As per the limitation of Active Directory usernames only supporting a maximum of 20 characters, uSync will automatically truncate usernames exceeding 20 characters.

This truncation is only applied the 'sAMAccountName' AD attribute and not the 'upn' attribute as this can support a total of 113 characters (64 before the @ symbol and 48 following).

## Password Source

**Kamar:** uSync will use the password from Kamar.

**Helix:** You can select either uSync generated or use a data field or combination of using merge fields



### Password Source

Choose how passwords are sourced for student accounts:

- **uSync Generated** — a password is generated once when a new account is provisioned.
- **Data Field** — the password is sourced from a student data field using a merge field reference (e.g. {nsn}). If the resolved value is empty, new accounts fall back to a uSync Generated password; existing accounts will not have their password changed.
- If a **Default Password** is configured in the **New Accounts** tab, it takes priority over this selection for new accounts.

Source: Data Field

Data Field

Enter a data field reference to use as the student password (e.g. {nsn}, {studentid}). This is processed using the same merge fields available in attribute mapping.

☒ Process Password Changes

When enabled, uSync will detect when the data field value changes between syncs and update the AD account password automatically.

**Wonde:** Uses the uSync generated password on user creation.

## Student Accounts Configuration

General

New Accounts

Leavers

OUs

Attribute Mapping

AD Groups

Account Exceptions



Create New Accounts

Account Creation Lead Time (Days)

14

Number of days before start date to create new account



Send New User Accounts Email

New User Accounts Email To

Email accounts (comma separated) where to send new user account details



Use Default Password

Default Password

Use default password instead of SMS supplied or uSync generated password



Allow Reversible Password Encryption [Reversible encryption info](#)



Set 'User Cannot Change Password' Flag



Set 'Users Password Never Expires' Flag



Set 'Change Password At Next Logon' Flag



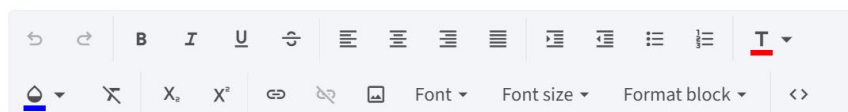
Prestage Google Account



Send Email To New Account

Email Subject

Email Body



### Create New Accounts

When enabled, uSync will create AD accounts for any student that does not already have one.

### Account Creation Lead Time

Specify the number of days before a user's start date that the new user account will be created. Default is 10 days.

This is dependent on the available data from the SMS.

## Send New User Accounts Email

Enable this option to send an email to the specified address or addresses (comma separated) of the new user accounts details which includes their password.

**NOTE:** uSync generates a secure password for each new account when generating an AD account. This password along with the basic user account details is emailed (one email per sync) to the nominated email address(es).

For SMS's that internally generate their own passwords which are available through their API will be used by default.

## Use Default Password

Enable this option to define what password is set for a new user. Enter the password and or use user merge fields to generate a specific password for the user. Using this feature will bypass uSync's built in password generator or if using KAMAR, will ignore the KAMAR set password for the user.

If using, make sure the password meets ADs complexity requirements else the user creation will fail.

\*NOTE: If using KAMAR and have 'Process Password Changes' enabled, the KAMAR password will override the default password on subsequent sync sessions.

## Allow Reversible Password Encryption

Unless required, please leave un-checked. More info [see here](#)

## User Cannot Change Password Flag

When enabled, new users will have the AD flag of 'User Cannot Change Password' set.

## Users Password Never Expires Flag

When enabled, new users will have the AD flag of 'Users Password Never Expires' set.

## Change Password at Next Logon Flag

When enabled, new users will have the AD flag of 'User must change password at next logon' set.

## Prestage Google Account (requires [Google API](#) to be configured)

When enabled, uSync will (when creating a new AD account) use create the basic user account (first and last names, email address, and password) in Google Workspace.

## Send Email to New Account

When enabled, uSync will send an email to the newly created account email address.

Limited to G Suite accounts only with the Prestage Google Account option enabled.

## Email New Account > Subject

Enter the subject for the welcome email

## Email New Account > Body

Use the editor to construct your welcome email content. You can use the user merge fields to help personalise the email. The email template is an html file located in the 'Content' folder in the application directory.

### Welcome Email Template

Email Subject  
Enter email subject

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Font

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Format block

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## Welcome to [Your School Name]!

Dear {firstname} {lastname},

Your student account has been created and is now ready for use.

<b>Username:</b>	{username}
<b>Password:</b>	{password}
<b>Email:</b>	{email}
<b>Year Level:</b>	{yearlevel}

**Important:** Please change your password upon first login.

If you have any questions or need assistance, please contact IT support.

Best regards,  
IT Department

Use the editor to format your email. Click the "Insert Merge Field" button in the toolbar to insert dynamic fields. For images, use the image button to insert URLs to externally hosted images (e.g., from your school website). Click **Save Template** below to save your changes.

[Reset to Default](#)

[Save Template](#)

22 | Page

### Student Accounts Configuration

General New Accounts Leavers OUs Attribute Mapping AD Groups Account Exceptions

☒ Process Leaver Accounts

☐ Immediately Disable Account

☒ Remove Groups

Account Grace Period (Days)  
70  
Number of days before leaver account expires

☒ Remove Expired AD Account

**Home Directory**

☐ Archive Home Directory

Home Directory Base Location  
UNC path to user home directory parent share

Home Directory Archive Location  
UNC path to user home directory archive parent share

### Process Leaver Accounts

When enabled, uSync will manage any student leavers.

uSync determines a student is a leaver when they have a leaving date added. If that leaving date is in the future, then the account is processed as normal until the leaving date is reached.

This is dependent on the data from the SMS. If a student is dropped from the API data, then uSync will immediately process them as a leaver and apply the grace period using the current date as the leaving date.

### Immediately Disable Account

When enabled, uSync will disable any leaver account that is enabled.

When not enabled, uSync will not make any changes. This allows manual control if you wish to selectively disable users accounts.

### Remove Groups

When enabled, leavers are removed of all groups except for the Base (Domain Users) group and are added to any defined 'Leaver' groups.

When disabled, groups are processed as normal for leavers/redundant accounts.

Default is enabled.



## Account Grace Period

The leaver grace period, specified in days, allows an account to remain active for that number of days after their leaving date.

The account itself is moved to the specified leaver OU and all groups are stripped, and only ones marked for leavers are added. *See Student > Groups.*

**Note:** It's handy to set a long grace period of a couple of months, mostly for end of year leavers such as year 13s. This allows them to still have access to their school email if they require it to access their exam results in the following year. It also allows for any students who may be returning to not lose their account.

## Remove Expired AD Account

When enabled, AD accounts that have an expired grace period will be removed from AD.

## Archive Home Directory

When enabled in conjunction with Process Leavers, when the grace period expires the users home directory will be copied to the specified archive directory and the original folder deleted.

## Home Directory Base Location

Specify the UNC path to the underlying folder containing the student home directories.

uSync assumes the folder names under this path is based on the usernames of each user.

## Home Directory Archive Location

Specify the UNC path to where student home directory folders should be archived to.

You can use the {year} which will (if it does not already exist) create a sub directory based on the current year.

## Leaver Reminder Email

## Leaver Reminder Email

☒ Send Email To Leaver Accounts

Reminder Period (Days)

14

Number of days between re-sending leaver email

## Leaver Reminder Email Template

Email Subject  
Cancellation of School Accounts Notification

<> Insert Merge Field Font Font size Format block <>

## Account Expiry Notice

**⚠ Your Account Will Expire Soon**

Your account is scheduled to expire on {expirydate}

Dear {firstname} {lastname},

This is a reminder that your student account at [Your School Name] will expire in {daysleft} days.

Leaving Date:	{leavingdate}
Account Expiry:	{expirydate}
Days Since Leaving:	{daysgone}

**Important Information:**

- Your account will be disabled after {daysleft} days
- Please ensure you have saved any important data before this date
- Contact IT support if you need assistance backing up your files

If you believe this is an error or need an extension, please contact IT support immediately.

Best regards,  
IT Department

Use the editor to format your email. Click the **"Insert Merge Field"** button in the toolbar to insert dynamic fields. For images, use the image button to insert URLs to externally hosted images (e.g., from your school website). Click **Save Template** below to save your changes.

Reset to Default

 Save Template

## Send Email to Leaver Accounts

When enabled, uSync will send an email to the student. This email is useful to inform the student of account closures and the related timeframe. This email will be sent on first processing as a leaver and subsequently based on the reminder settings.

### Reminder Period

The reminder period will resend the leaver email every specified number of days until the grace period expires.

### Leaver Email Subject

Specify a subject for the leaving email.

### Leaver Email Body

Use the editor to construct your welcome email content. You can use the user merge fields to help personalise the email. The email template is an html file located in the 'Content' folder in the application directory.

## Student Accounts Configuration

General
New Accounts
Leavers
**OUs**
Attribute Mapping
AD Groups
Account Exceptions

+ Add OU Entry

OU Type	OU Distinguished Name	
Base	OU=STUDENTS,OU=OBHS_USERS,DC=obhs,DC=local	
Year 9	OU=YEAR_9,OU=STUDENTS,OU=OBHS_USERS,DC=obhs,DC=local	
Year 10	OU=YEAR_10,OU=STUDENTS,OU=OBHS_USERS,DC=obhs,DC=local	
Year 11	OU=YEAR_11,OU=STUDENTS,OU=OBHS_USERS,DC=obhs,DC=local	
Year 12	OU=YEAR_12,OU=STUDENTS,OU=OBHS_USERS,DC=obhs,DC=local	
Year 13	OU=YEAR_13,OU=STUDENTS,OU=OBHS_USERS,DC=obhs,DC=local	
Leaver	OU=LEAVERS,OU=STUDENTS,OU=OBHS_USERS,DC=obhs,DC=local	

This tab is used to map the OU (Organisational Unit) structure of your Student OUs in a manner the uSync can use. uSync is designed around the most common/logical way a OU design would be employed for students, which is by year level.

If all your students are in one OU, then map each year level to the same OU.

### Base

The Base entry must be configured with the highest or top-most OU where all student accounts reside below this OU.

Using the screenshot as an example, note the Base entry is the OU where the subsequent OUs (based on year level) reside under.

Click the edit icon to the right of the entry and search/select the top-most OU from the drop down, then click the save button.

### Add OU Entry

Add an OU entry for each year group your school manages. Set each entry type to the corresponding year and select the correct OU from the drop down box.

If you have all students in one OU, then map each year level entry to the same OU.

### Leaver

The Leaver OU mapping is required for processing leaver accounts. This OU needs to reside under the Base OU.

## Students > Attribute Mapping

### Student Accounts Configuration

[General](#)[New Accounts](#)[Leavers](#)[OUs](#)[Attribute Mapping](#)[Groups](#)[Account Exceptions](#)

☒ Process user attribute changes

[+ Add Attribute Mapping](#)

AD Attribute	Flag	Mapping	
employeeid	RESERVED	{smsid}	
cn	REQUIRED	{firstname} {lastname}	
sAMAccountName	REQUIRED	{username}	
givenName	REQUIRED	{firstname}	
sn	REQUIRED	{lastname}	
displayName	REQUIRED	{firstname} {lastname}	
userPrincipalName	REQUIRED	{username}@<PUT YOUR DOMAIN HERE>	
mail		{email}	

The Attribute Mapping tab is where you define each AD User attribute. From the screenshot you will note that there are **Reserved** and **Required** attributes. The Reserved attribute of employeeid is used by uSync to store the SMS ID of the user as this is the main method for uSync to find a user's AD account when processing.

### Process User Attribute Changes

When enabled, uSync will update any specified AD attribute based on the format specified by each attribute. The attributes section has several merge fields available. See [Merge Fields Table](#).

### Required Attributes

Required attributes are the base attributes required to create an AD User account.

**Container Name** (cn) is the name of the object itself in AD; {firstname} {lastname} > NOTE: there is a chance of a conflict if there are two or more users with the same resulting cn in the same OU.

**Username** (sAMAccountName) is the login username of the user account; {username} > the username from the SMS or as defined by the selected username strategy.

**First Name** (givenName) is the first name of the user; {firstname}

**Last Name** (sn) is the last name or surname of the user; {lastname}

**Display Name** (displayName) is how the users name is display in AD and other services; {firstname} {lastname}

**User Principal Name** (userPrincipalName) is the username plus the domain name in an email format (separated by the @ symbol); {username}@your-domain-name

I.e. student123@abc.school.ac

**This format must be followed.**

## Add Attribute Mapping

To add further mappings such as Home Directory, Description, Profile Path click the Add Attribute Mapping button, then select the required attribute and enter the required mapping.

As with the other attributes using merge fields, a list of available merge fields can be found in the [Merge Fields](#) section.

## Student Accounts Configuration

General
New Accounts
Leavers
OUs
Attribute Mapping
AD Groups
Account Exceptions

☒ Process Groups

User group types to process

**AD Groups:**
☒ Common
☐ New User (Add Once)
☒ Year
☒ Boarder (All)
☐ Junior Boarder (Y1-10)
☐ Senior Boarder (Y11+)
☒ Leaver

**SMS Groups:**
☒ Class Groups
☒ Student Groups
☐ Department Groups
☒ Whanau Groups
☒ House Groups
☒ Tutor Groups
☒ Subject Groups

Add Group

Group Type	AD Group Distinguished Name	
Default	CN=Domain Users,CN=Users,DC=obhs,DC=local	

## Process Groups

When enabled, uSync will process the specified groups. If disabled (not ticked) no processing of any groups will take place.

## User Group Types to Process

**AD Groups.** enable each of the AD group types you wish to process for each user.

These group types are for manually created/existing AD group objects you require users to be placed in. The different types are how you can selectively place matching students to the right groups.

**Common:** is used for groups that are common to all student accounts.

**New User:** is used to place a new user in the specified group(s) only upon the creation of the user. Subsequent syncs will not apply.

**Year:** used to place students into groups based on their year level.

**Boarder:** used to place students into groups based on if they are a boarder (for schools that have hostel/boarding facilities).

**Junior Boarder (Y1-10):** used to place students into groups based on if they are a boarder and are also considered a junior student (up to year 10).

**Senior Boarder (Y11+):** used to place students into groups based on if they are a boarder and are also considered a senior student (year 11 onwards).

**Leaver:** used to place students into groups specific to leavers.

**SMS Groups.** Enable each of the SMS group types you wish to process for each user. The list of SMS group types is defined by the configured SMS groups in the [SMS Groups](#) section.

## Add Group

To add a group mapping, click the Add Group button and select the Group Type and the AD group from the drop-down selection.

## Default Group Type (Mandatory)

The default group is added by default but must be edited to match your domain. This group is required by all users and should be set to the Domain Users group of your domain.

## Common Group Type

The common group type is used for groups which are common to all users or rather a group that all users (of type Student or Staff depending on which your configuring) need to be in.

## Year Group Type

Use the year group type to add students to groups based on their year level.

## Boarder Group Type

Use the boarder group type to add boarding students to boarder specific groups.

## Leaver Group Type

Use the leaver group type to add student leavers to groups you want them to be in. As the default option is for leavers to be removed from all other group types, use the leaver group type to keep users in groups you want them to be in.

## Exception Group Type

Add any groups which are managed manually and are not common to all students that you don't want uSync to remove users from. uSync will remove any group that does not match with any of the defined group types.

## Exception OU Type

An alternative to selecting individual groups or using wild cards is to add the OU that the groups are in.

For example, if all or many of your manually defined groups are contained within a specific OU, then use this option to add that OU as an exception. All groups within this OU will be matched as an exception.



## Exception Wildcard Type

For large numbers of groups, if they have a common prefix or contain a common word, then the use of a wildcard maybe used.

Example: Groups starting with 'STAFF\_' add an exception entry of: STAFF\_\*

Example: Groups containing the word 'wifi', add an exception entry of: \*wifi\*

Any groups found in AD matching the wildcard will be deemed an exception group.

### Student Accounts Configuration

[General](#)[New Accounts](#)[Leavers](#)[OUs](#)[Attribute Mapping](#)[Groups](#)[Account Exceptions](#)

Add Account Exception

AD Account

No AD Account Exceptions Found

### User Account Exceptions

Use this section to add user accounts that reside under the Base OU that you do not want processed.

Add accounts such as test accounts or any other manually created accounts. These should be added using the user logon name (sAMAccountName), not email or upn format.

Accounts can be added individually, or you can enter the distinguished name of an OU to exclude.

Adding an OU is not recursive, only users within the root of the entered OU will be regarded as exceptions.

### Staff Accounts Configuration

General

New Accounts

Leavers

OUs

Attribute Mapping

AD Groups

Account Exceptions



Process Staff Accounts

Processing Threshold

80

Processing will be halted if the percentage difference between the number of staff (between sync jobs) is below the threshold number.

#### Username Strategy

Choose how uSync obtains the username. It can be direct from the data source (if provided), derived from the email address or by using a formula.

Strategy:

Data Source



Process Username Changes

The configuration for staff is the same as it is for students. Please refer to the [Students](#) section.

The only differences are as follows:

### OUs

All staff accounts created by uSync will be placed in the 'Base' OU as there is no way to universally define how staff get placed into different OUs as each schools OU structure can be greatly different, not to mention the underlying SMS and its categorisation of staff and the available data from its API makes this very difficult.

Once a staff member account has been created, you can manually move said account into the OU of your choice. As uSync can't map OUs for staff, it will not manage this aspect of a staff user account with the exception of a leaver (if processing staff leavers with uSync).

If a usable/reliable method of mapping staff to OUs for a certain SMS can be employed, uSync will be updated with this capability.

If using KAMAR, Staff can be managed in OUs by using the classification [starred] from KAMAR.

Add an entry by choosing <Classification> as the type then reselect to edit the text to that of the classification name to match. Any unmatched classifications, the user will not be moved. The user can be manually moved and uSync will not move them elsewhere, unless there is a matching classification.

### Groups


Staff have no option for Year or Boarding Groups, for obvious reasons.

## SMS Groups Configuration

+

Add Group Config

Class Groups



Process

Staff as Manager

Name Format

{groupname}

Update

Capitalise Name

Hyphenate Name

Remove Whitespace

Description Format

{groupname} Class Group

Update

Email Format

{groupname}@<your domain>

Update

Organisational Unit

OU=CLASS\_GROUPS,OU=OBHS\_GROUPS,DC=obhs,DC=local

×

Exceptions

Process Exceptions

Add exception...

+

\*assem\*

×

The SMS Groups Configuration section is for defining what SMS groups you wish to sync to AD and how they are to be formatted.

## Add Group Config

To add a group configuration, click on the Add Group Config button and choose the group type (based on the selected SMS). This will add the empty config to the bottom of the list.

Add Group Configuration

×

Available Group Types

Registration Groups

▼

Add

Cancel

## SMS Groups > Group Configuration

### Process

Enables processing of this group type.

This allows you to configure the group type without it being processed until you are ready.

When a group type is added, it will be available in the [AD Groups tab](#) of both staff and students to enable processing of users to the group.

### Staff as Manager

The Staff as Manager option is only enabled if the group type is ticked under the Staff > AD Groups tab.

When enabled, staff members belonging to a matching group will be added as a manager rather than a member which is the default action.

**Note:** as only one manager can exist on an AD group. If there is more than one staff member associated with a class, the last staff member processed during the sync process will win out as the manager.

**Use this option with caution.**

### Name Format

Use this field to define the naming convention for the class group in AD. Only the merge field {groupname} can be used. It can be used with a prefix or postfix for the name.

Example: {groupname} or grp\_{groupname}

**Update:** when enabled the name of the group will be updated if changed. When not enabled, it allows manual modification of the group name.

uSync uses an available attribute to store an identifier to find the group regardless of its name.

### Capitalise Name / Hyphenate Name / Remove Whitespace

As the options suggest, when either is enabled the resulting group name will either have all characters capitalised, white space between words replaced with hyphens, and or all whitespace removed.

### Description

Enter the description for the class group. The only two merge fields available are: {groupname} and {groupname-formatted} the latter being the result of the Name Format field.

Example: {groupname} Class Group

**Update:** when enabled the name of the group will be updated if changed. When not enabled, it allows manual modification of the description attribute.

## Email Format

Enter the email format for the group. The only two merge fields available are: {groupname} and {groupname-formatted} the latter being the result of the Name Format field.

Example: {groupname-formatted}@abcd.school.nz

**Update:** when enabled the name of the group will be updated if changed. When not enabled, it allows manual modification of the mail (email) attribute.

## Organisational Unit

Select the OU where these groups will be created/maintained.

## Exceptions

To exclude a group from being processed, you can add the groups name or a wild card variant.

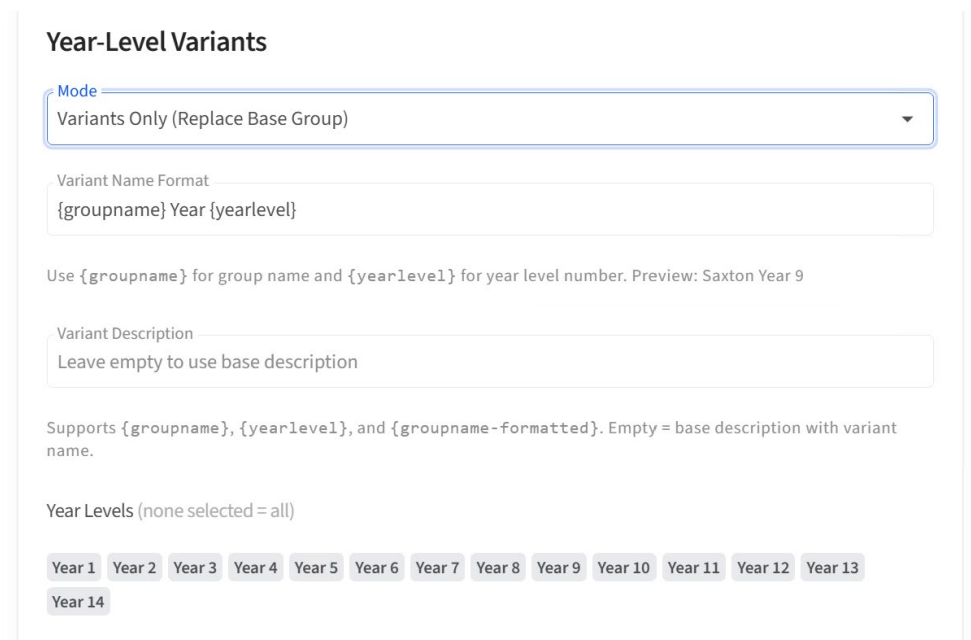
Example: \*text = anything ending with 'text' will be excluded.

Example: text\* = anything starting with 'text' will be excluded.

Example: \*text\* = anything containing 'text' will be excluded.

For KAMAR Student Groups, you can exclude group types by adding the group type to the exclusion list.

## Year-Level Variants



The screenshot shows a configuration form titled "Year-Level Variants". It includes a "Mode" dropdown menu set to "Variants Only (Replace Base Group)". Below this is a "Variant Name Format" text field containing "{groupname} Year {yearlevel}". A note states: "Use {groupname} for group name and {yearlevel} for year level number. Preview: Saxton Year 9". There is also a "Variant Description" text field with the placeholder "Leave empty to use base description". A note below this field says: "Supports {groupname}, {yearlevel}, and {groupname-formatted}. Empty = base description with variant name." At the bottom, there is a section for "Year Levels (none selected = all)" with buttons for "Year 1" through "Year 14".

On select group types there is the option to generate year-level variants of each group. You can set the variants name and description and choose the year levels you want.

## External Commands

### External Commands

☐ Process External Commands

+ Add External Command

#### Test Command

Name

Test Command

Command

Parameters

When To Execute

After Sync

Sync Type

Full Sync Only

On What Accounts

Both Staff and Students

### Process External Commands

When enabled, uSync will process command based on their criteria for when they should be executed.

### Command Settings

#### Name

Name of your external command.

#### Command

The path to and including the name of the executable or script to run.

#### Parameters

The Parameters associated with running your external command.

These parameters can use the merge fields as per the [Merge Field](#) table for Staff and Students.

When using the Run Type of 'Before a Sync', the merge option for the path of the data file itself is available as: {datafile}

## When to Run

Choose when this command is to be run in conjunction with a Sync.

Options are:

- **Never** - Disables the command from being run
- **Before a Sync** – Executes before a Sync is run
- **After a Sync** – Executes at the end of a sync
- **On each process user** – Executes on each user after they have been processed but before the next user.
- **On newly created users only** – Executes only after a new user has been created.
- **On leavers only** – executes only on process leaver accounts.

## Sync Type

Choose on what sync type the command will run.

Options are:

- **Full and Part** – Executes on both sync types (specific to KAMAR)
- **Full Only** – Executes on Full sync's only (for all other SMS's)
- **Part Only** – Executes on Part sync's only (specific to KAMAR)

## Which Accounts

Choose on which account types the command will run. This is only applicable for Run selections of 'On each processed user', 'on newly created users only', and 'on leavers only'.

Options are:

- **Not Applicable** – Unless choosing to run on each user, it will otherwise be ignored
- **Both Staff and Students** – Executes the command against both user types.
- **Staff Only** – Executes the command only against Staff user type
- **Students Only** – Executes the command only against Student user type



## Apple School Manager

### Experimental Feature



Apple School Manager integration is currently experimental. Features may change or behave unexpectedly. Please report any issues you encounter.



### Enable ASM / OneRoster CSV Export

When enabled, a CSV export will be generated after each full sync and optionally uploaded to Apple School Manager via SFTP.



### Include in Ingest Test

When enabled, the ASM CSV export will also run during an ingest test. SFTP upload is always skipped during ingest tests regardless of SFTP settings.

### Export Settings

Export Format

Apple Native

Location ID Override

Default: MoE Number

Location Name Override

Default: School Name

Class Name Format

{name}

Course Name Format

{name}

Available merge fields: {name}, {id}, {subject}, {coursename}, {type}, {description}, {year}

Student Password Policy

None

Staff Password Policy

None



### Include Leavers

### Class Exceptions

+ Add

Wildcard patterns for classes to exclude from ASM export (e.g., \*Formtime\*, \*Assembly\*).

No exceptions configured.

The Apple School Manager section enables you the ability generate the required CSV files in either or both native Apple format or OneRoster 1.1 format.

The files are created on each full sync and uploaded to the configured SFTP server.

**NOTE:** As of this version of the documentation the ASM section and use is experimental. The functionality is implemented; it just needs to be tested if you have ASM.

## Logs

The screenshot shows the Log Viewer application in light mode. At the top, there are toggle switches for 'Dark Mode' (off), 'Minimap' (on), and 'Auto-refresh (5s)' (off). To the right are controls for font size (A-, 14px, A+), a refresh icon, and a download icon. Below this is a search bar with the placeholder text 'Search in log (press Enter to search)...' and a search icon. To the right of the search bar are filter buttons: 'All' (selected), 'ERROR', 'WARNING', and 'INFO'. On the left side, there is a 'Log Files' list with several log files, including '7-4-2026.log' which is highlighted in blue. The main area displays the contents of '7-4-2026.log', showing 576 lines and 43.55 KB. The log entries are timestamped and include log levels like [INFO]. A vertical scrollbar is on the right, and a blue 'HELP' button is at the bottom right.

### Dark Mode

This screenshot shows the Log Viewer application in dark mode. The interface is dark-themed, with the 'Dark Mode' toggle switch turned on. The search bar, filter buttons, and log file list are visible, with '7-4-2026.log' still selected. The log entries are displayed in a light color against the dark background. The 'HELP' button remains blue.

## Log Viewer

Use the Log Viewer to view the logs saved by uSync for each sync session as well as the general application service logs.

New features for 4.0 is Dark Mode switch so you don't burn your retinas, mini map to see where you are in the log, legible monospace font, font size, text search, filter by log entry types [Error, Warning, Info], and download option.

The log files are located in the 'Logs' folder under the uSync application directory.

\*Note: Large log files may take a few seconds to load.

## Merge Fields

**NOTE:** The merge fields rely on the data being available from the respective SMS's API. So not all merge fields will return a value or the value may differ from expected.

Student and Staff Sections	
{smsid}	SMS ID of either staff or student
{username}	Username (the result is outputted as lowercase)
{firstname}	First Name
{middlename}	Middle Name
{lastname}	Last Name
{firstnamelegal} *Student only	Legal First Name
{middlenamelegal} *Student only	Legal Middle Name
{lastnamelegal} *Student only	Legal Last Name
{email}	Email Address
{year}	Current year in 4 digit format (yyyy)
{studentid} *Student only	Student ID
{tutorclass} *Student only	Tutor
{yearlevel} *Student only  *AUS: Internally P/Prep is represented as Year 0	Student Current Year Level. For NZ schools, this will output 1,2,3...13 For AUS schools, this will output P,1,2,...12
{gradyear} *Student only	Calculated graduating year (yyyy) [final year of school]
{year-rel-yearlevel} {year-rel-yearlevel:7} *Student only	which will give the calendar year relative to their year level basing the current calendar year at year 9. You can define the specific relative year by adding a colon and the year level to the merge field name. e.g. If the current year is 2026 a new year 9 student would have a relative year of 2026. whereas a new year 12 student would have relative year of 2023
{house}	The House the staff or student belongs to
{mobile}	Mobile Number
{role}	Either 'Staff' or 'Student'
{dob} *Student only	Date of Birth in format: dd/mm/yyyy
{dob-iso} *Student only	Date of birth in ISO format: yyyy-mm-dd
{dob:<date format>}	Date of Birth in a custom date format; Example: {dob:yyyymmdd} would result in 20101123 yyyy – year in 4 digits yy – year in 2 digits mm – month in 2 digits (proceeding zero for < 10) m – month in 1 digit (no proceeding zero) dd – day in 2 digits (proceeding zero for < 10) d – day in 1 digit (no proceeding zero) separator characters such as – or / can be used; dd/mm/yyyy
{nsn} *Student only	NZ Student NSN
{staffcode} *Staff only	SMS Staff code, generally 2-3 character designation (NZ)
{title} *Staff only	Staff Title (Mr, Mrs, Ms, etc..)
{position} *Staff only	Staff members Position (SMS data dependant)
{timestamp}	Current date and time in format: "dd/mm/yyyy hh:mm:ss"
{timestamp-iso}	Current date and time in ISO 8601 format

{currentdate}	Current date in format: "dd/mm/yyyy"
{currentdate-iso}	Current date in ISO format: "yyyy-mm-dd"
<b>Leavers Email</b>	
{daysleft}	Number of days left to expiry date
{daysgone}	Number of days since leaving date
{expirydate}	Account expiry date, calculated based on leaving date and Leaver Grace Period setting.
{leavingdate}	Leaving date of user as set in KAMAR.
<b>MLEP</b>	
{mlepDOB}	DOB date in format for mlep Attribute "yyyy-mm-dd"
{mlepFirstAttending}	Start date in format for mlep Attribute "yyyy-mm-dd"
{mlepLastAttendance}	Leaving date in format for mlep Attribute "yyyy-mm-dd"
<b>KAMAR Specific</b>	
{kamar.classification} <i>*Staff only</i>	Staff Member Classification
{kamar.photocopierid}	Photocopier ID
{kamar.regnumber} <i>*Staff only</i>	Registration Number
{kamar.moenum} <i>*Staff only</i>	MoE Number
{kamar.custom1}, {kamar.custom2},...5	KAMAR Custom field (staff and student)
{kamar.type} <i>*groups only</i>	
{kamar.year} <i>*groups only</i>	
<b>Wonde Specific</b>	
{wonde.barcode}	
<b>Helix Specific</b>	
{helix.verticalgroup}	The vertical grouping configured in Helix/Edge
{helix.horizontalgroup}	The horizontal grouping configured in Helix/Edge
{helix:category:<category name>} {helix:category:<category name>:0}	You can use a helix custom category by replacing <category name> with the Category name in Helix. As some Categories can have multiple values, the merge field can be suffixed with the index of the value required (0-indexed)
<b>Clear Attribute</b>	
<blank>	To clear an AD attribute, use this option. This should be used with a single sync to clear out an attribute if no longer used. Once the attribute for the users has been cleared, the attribute entry can be removed from the config.

## Options Array Merge field

To change the merge field or text based on a students year you can use an options array merge field.

Example: [default:Student|6:<blank>|7:put text here|8:put text here|13:{tutor}]

The array starts and ends with square braces and is segmented using the pipe character.

The first option must be set as 'default', this is a fallback for any non-matching year levels.

Each item starts with the year number and is separated by a colon with the desired text last.

You can place text or a merge field in the resulting data to be set.

The <blank> option can be used to clear the AD attribute.

# KAMAR Directory Service

## Configuring KAMAR Directory Service for uSync

From KAMAR go to Setup > Server > Directory Services.

Click 'New Service' then 'Create'.

Enter a name for the service e.g. 'uSync'.

For the address, enter the FQDN (fully qualified Domain Name or IP address) of the server where uSync is installed followed by **/kamar**. E.g. server.school.nz/kamar

\*NOTE: If you are on Hosted Kamar, you will need to get N4L or whomever looks after your firewall to give you your public address and allow a rule for the port to be forwarded to your local AD server. This rule should be locked down to only allow traffic from Kamar's servers.

Enter the port chosen, default is 5005.

If not using a proxy server, check 'Bypass Proxy'.

Enter the Username and Password configured earlier.

Make sure 'JSON' is selected.

Click 'Check and Enable', you should receive a status ready confirmation.

If you do not, double check your settings, make sure the uSync service is running on the server.

The screenshot shows the KAMAR Directory Service configuration page for a service named 'uSync v3'. The interface includes the following elements:

- Name:** uSync v3
- Address:** ob-srv-dc/kamar
- Port:** 5005
- Timeout:** 30 seconds
- Username:** apiuser
- Password:** [masked]
- Format:** JSON (selected over XML)
- Part Updates:** [checked]
- Daily Update:** 5:00 on Thu, 8 May 2025
- Days:** M, T, W, Th, F, Sa, Su (all selected)
- Buttons:** Check and Enable, Privacy Statement, More Information, uSync, Run Now, Clear Queue
- Students Section:**
  - Details: [checked]
  - Photos: [disabled]
  - Subjects: Markbook [unchecked], Timetable [unchecked], All [checked]
  - Attendance: [disabled]
  - Teams / Groups: Report Only [unchecked], All Groups [checked]
  - Awards: [disabled]
  - Pastoral: [disabled]
  - Assessments: [disabled]
  - Timetables: [disabled]
  - Limit to Year Levels: [disabled]
  - Schools: All Schools
- Staff Section:**
  - Details: [checked]
  - Photos: [disabled]
  - Subjects: Markbook [unchecked], Timetable [unchecked], All [checked]
  - Subject Details: [disabled]
  - Notices: [disabled]
  - Calendar: [disabled]
  - Bookings: [disabled]

Select 'Part Updates' if you wish uSync to process Part updates. i.e. Password changes.

Part updates are generally triggered for an individual when certain fields update such as username, password, leaving date, etc..

Select the time and days you want uSync to receive Full updates from KAMAR.

Full updates contain all data configured below.

For uSync to work effectively, all options available need to be selected.

For both Students and Staff, click the details check box to bring up the field options.

Click the little green tick icon to select all fields.

The screenshot shows the uSync configuration interface. On the left, there are settings for Port (5005), Username (apiuser), Password (masked), Event Updates (checked), and Daily Update (3 days, Mon-Tue). Below these are tabs for Students, Photos, Subjects, Attendance, Teams / Groups, Awards, Pastoral, Assessments, Timetables, Limit to Year Levels, and Schools. The 'Students' tab is active, and the 'Details' checkbox is checked. A dialog box titled 'Student Details' is open, showing a list of fields to be sent. The 'Send Student Details' checkbox is checked. Below it, a section titled 'Limit what student data is sent' has a green checkmark icon. The list of fields includes: Student ID, School Index, NSN, Name - First - Preferred, Name - First - Legal, Name - Fore - Preferred, Name - Fore - Legal, Name - Last - Preferred, Name - Last - Legal, Gender, Gender - Preferred, Gender - Code, Logon - Username, Logon - Password, Student Mobile, and Student Email. All these fields have their respective checkboxes checked.

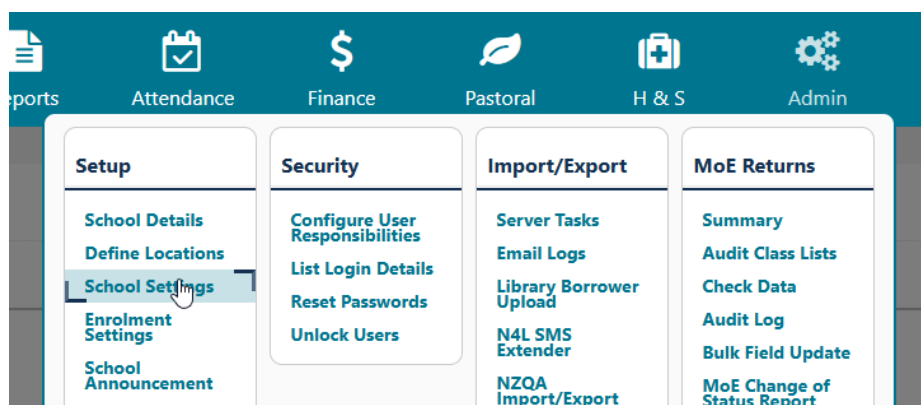
With everything ready to go and uSync in Audit Mode (please check), click the 'Run Now' button to initiate a full sync. Keep an eye on the Logs folder, after a few minutes you should see a new Full sync log and the size should grow as uSync processes the data.

# Helix / Edge

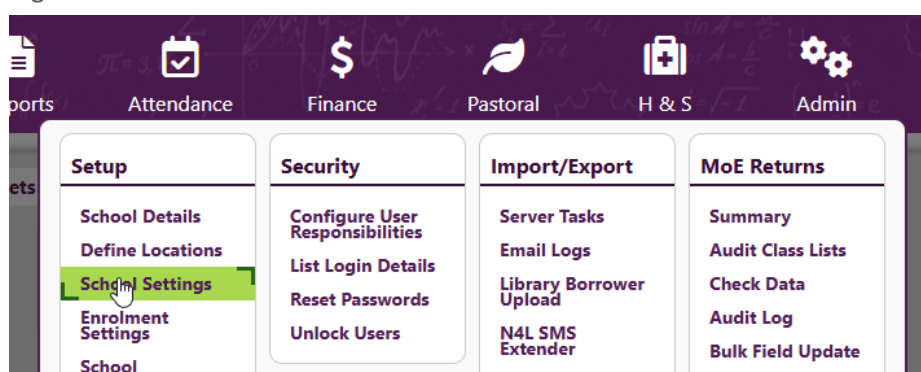
## Configuring Helix / Edge for uSync

In Helix / Edge, go to Admin > Setup > School Settings. Under External Providers, tick uSync to allow uSync to access your school's data.

Helix interface



Edge interface



External Providers

External Providers	
Educa:	<input type="checkbox"/> Allow Educa to access your data. A notification will be sent to Educa when this setting is changed
Hail To:	<input type="checkbox"/> Allow Hail To to access your data. A notification will be sent to Hail To when this setting is changed
Kindo:	<input type="checkbox"/> Allow Kindo to access your data. A notification will be sent to Kindo when this setting is changed
Learning MATTERS:	<input type="checkbox"/> Allow Learning MATTERS to access your data. A notification will be sent to Learning MATTERS when this setting is changed
My Mahi:	<input type="checkbox"/> Allow My Mahi to access your data. A notification will be sent to My Mahi when this setting is changed
ParentPaperwork:	<input type="checkbox"/> Allow ParentPaperwork to access your data.
Sporty:	<input type="checkbox"/> Allow Sporty to access your data. A notification will be sent to Sporty when this setting is changed
Te Rito:	<input type="checkbox"/> Allow Te Rito to access your data. A notification will be sent to Te Rito when this setting is changed
	<input type="checkbox"/> Allow Te Rito to access student medical data
uSync:	<input type="checkbox"/> Allow uSync to access your data. A notification will be sent to uSync when this setting is changed
Vistab:	<input checked="" type="checkbox"/> Allow Vistab to access your data. A notification will be sent to Vistab when this setting is changed

# Wonde

## Configuring Wonde for uSync

Configuration of Wonde is handled Wonde's integration team, please contact them:  
<https://www.wonde.com/support/>

## Help and Support

As uSync is Developed by a full-time school IT administrator, support is limited to email, though, when necessary, phone conversations and or online sessions can be had.

Also, if you have a feature request, fire it through, always happy to discuss enhancements to uSync.

Email: [support@usync.nz](mailto:support@usync.nz)

Thank you for choosing uSync.