



This document describes how to configure ClassLink for IXL to provide Auto-Rostering services.

For support, please contact your IXL account specialist or [accounts@ixl.com](mailto:accounts@ixl.com).

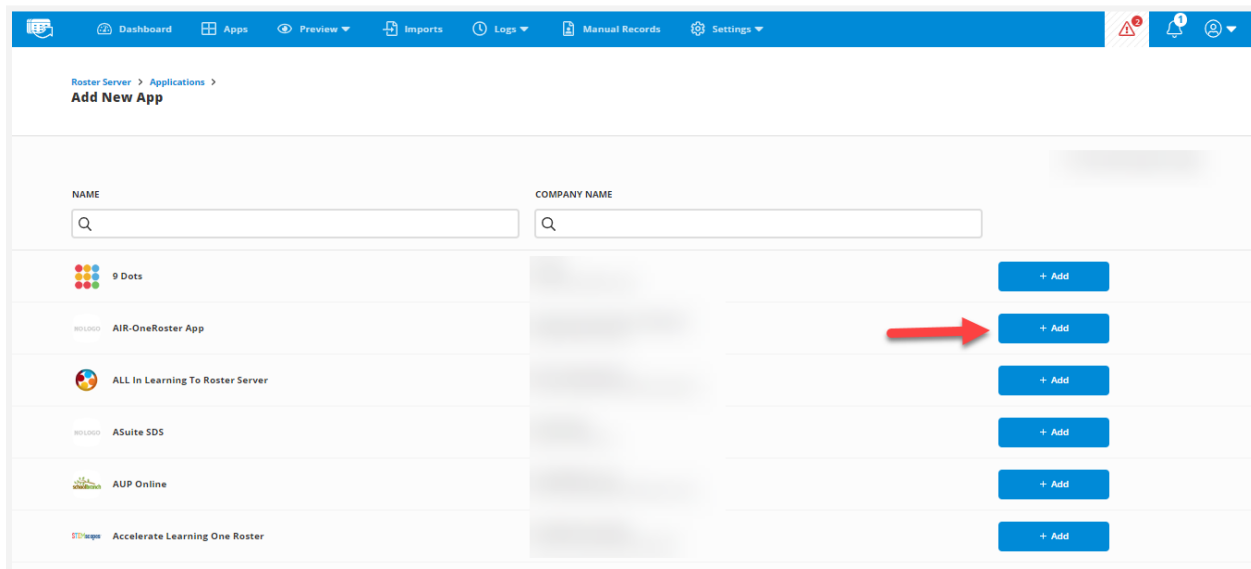
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## How to set up rostering via ClassLink

If your school or district rosters using ClassLink, setting up an auto-rostering integration with IXL is quick and easy.

1. Go to the “Apps” section of your ClassLink Roster Server.
2. Find the IXL app and add it.
3. Define the permissions to give to IXL. “Full” permissions will ensure we get all the data that we need. If opt for “Custom” permissions, make sure to include all of the data required for the students, teachers, and admins that you intend to roster in IXL (see below for recommended fields).
4. Our team will take over from here. If there are any issues, we will contact you to get them resolved.



## Uploading Demographic Data

First, your SIS data sync to ClassLink needs to be configured to include demographic data. More information can be found in ClassLink help article [Creating Your 1.1 Demographics.csv File](#). Please contact your ClassLink Support representative or [Helpdesk@classlink.com](mailto:Helpdesk@classlink.com) if you need assistance with this.

Once your SIS data sync to ClassLink includes demographic data, the following demographic data fields will be included by default for all students in the ClassLink data shared to IXL. The ClassLink auto-roster nightly sync process will apply the demographic data to IXL student users.

- sex
- americanIndianOrAlaskaNative
- asian
- blackOrAfricanAmerican
- nativeHawaiianOrOtherPacificIslander
- white
- demographicRaceTwoOrMoreRaces
- hispanicOrLatinoEthnicity

## Uploading Custom Demographic Data

Additional custom demographic data fields may be synced to IXL as well. First include any custom demographic data fields as metadata fields within the Users data in ClassLink. Please see ClassLink help article [Adding Metadata to Roster Server](#) for additional details. Please contact your ClassLink Support representative or [Helpdesk@classlink.com](mailto:Helpdesk@classlink.com) if you need assistance with this.

Once metadata fields are in ClassLink, please contact your IXL account specialist or [integrationsupport@ixl.com](mailto:integrationsupport@ixl.com) to request the auto-roster integration be configured to sync the custom demographic data fields.

## Unlock the full value of IXL Analytics

You can make confident decisions for your school or district by using IXL Admin Analytics to reveal the most helpful insights from your data. But in order to take advantage of all of IXL Analytics' robust capabilities, it's critical that you include your demographic and course data. With it, you'll be able to see diagnostic results, skill proficiency, and other reports grouped by race, gender, and ELL or FRL status within a school and grade. You can even compare multiple groupings in the same report and pull out the detailed findings you need.

- For example, once you've grouped students by demographic, you can easily separate out data by demographic options (e.g., ELL and non-ELL students) and compare between demographic options. Then, you can add up to two more demographic groupings (e.g., home language status, FRL status) to further analyze student subgroups.

Upload your demographic and course data to your student information system and Classlink today to make the most of IXL Analytics and drive success at your school(s). Once you've shared demographic data with Classlink, IXL will ingest it automatically via our integration.

For existing integrations, if you haven't uploaded and shared your demographic and course data yet, make this part of your rostering process this school year to unlock the full benefits of IXL Analytics!

## Recommended Data Format

IXL leverages the OneRoster Standard for ClassLink integrations but some fields are optional.

### Orgs

| Column header    | Max Length | Required | Description                                                                                                   |
|------------------|------------|----------|---------------------------------------------------------------------------------------------------------------|
| sourcedId        | 256        | Required | Unique id for the organization. SourcedId is used in other files and must be unique across all organizations. |
| status           |            | Optional | See section 4.13.8 [OneRoster, 20a] for the enumeration list.                                                 |
| dateLastModified |            | Optional | The date that this record was last modified.                                                                  |
| name             | 256        | Required | Name of the organization.                                                                                     |
| type             |            | Required | See section 4.13.4 [OneRoster, 20a] for the enumeration list.                                                 |
| identifier       |            | Optional | NCES ID (National Center for Education Statistics) for the school/district.                                   |
| parentSourcedId  |            | Optional | SourcedId of an Org representing the Parent organization.                                                     |

### Enrollments

| Column header    | Max Length | Required | Description                                                                                                                                                                                        |
|------------------|------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| sourcedId        | 256        | Required | Unique identifier of this enrollment.                                                                                                                                                              |
| status           |            | Optional | See section 4.13.8 [OneRoster, 20a] for the enumeration list.                                                                                                                                      |
| dateLastModified |            | Optional | The date that this record was last modified.                                                                                                                                                       |
| classSourcedId   | 256        | Required | SourcedId of the Class.                                                                                                                                                                            |
| schoolSourcedId  | 256        | Required | SourcedId of an Org with type 'school'.                                                                                                                                                            |
| userSourcedId    | 256        | Required | SourcedId of the User.                                                                                                                                                                             |
| role             |            | Required | See section 4.13.5 [OneRoster, 20a] for the enumeration list.                                                                                                                                      |
| primary          |            | Optional | Permitted values: { "Required"   "Optional" }. Applicable only to teachers. Only one teacher should be designated as the primary teacher for a class in the period defined by the begin/end dates. |
| beginDate        |            | Optional | The start date for the enrollment. This date must align with the associated academic session (term) identified in the class.                                                                       |
| endDate          |            | Optional | The end date for the enrollment (exclusive). This date must align with the associated academic session (term) identified for the class.                                                            |

## Users

| Column header    | Max Length | Required | Description                                                                                                                                                                                                                                                                                                      |
|------------------|------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| sourcedId        | 256        | Required | Unique ID for the user. SourcedId is used in other files and must be unique across all users.                                                                                                                                                                                                                    |
| status           |            | Optional | See section 4.13.8 [OneRoster, 20a] for the enumeration list.                                                                                                                                                                                                                                                    |
| dateLastModified |            | Optional | The date that this record was last modified.                                                                                                                                                                                                                                                                     |
| enabledUser      |            | Required | Permitted values: { "Required"   "Optional" }. 'Optional' denotes that the user is an active record but system access is curtailed according to the local administration rules.                                                                                                                                  |
| orgSourcedIds    | 256        | Required | SourcedIds of the Orgs to which this user belongs.                                                                                                                                                                                                                                                               |
| role             |            | Required | See section 4.13.5 [OneRoster, 20a] for the enumeration list.                                                                                                                                                                                                                                                    |
| username         | 64         | Required | User name.                                                                                                                                                                                                                                                                                                       |
| userIds          |            | Optional | External machine-readable ID for this user. The ID must be accompanied by a type to indicate the nature of the Identifier. The Type and ID values are enclosed in '{ }' with a colon used to separate the values. If more than one userId is needed, use double quotes, and separate with commas (per RFC 4180). |
| givenName        | 256        | Required | User's first name.                                                                                                                                                                                                                                                                                               |
| familyName       | 256        | Required | User's surname.                                                                                                                                                                                                                                                                                                  |
| middleName       |            | Optional | User's middle name (s). If more than one then they are separated by a space.                                                                                                                                                                                                                                     |
| identifier       | 100        | Required | Identifier for the user with a human readable meaning.<br><b>This value is required for students as it will translate to their user-facing Student ID within IXL</b>                                                                                                                                             |
| email            | 256        | Required | Email address for the User.                                                                                                                                                                                                                                                                                      |
| sms              |            | Optional | SMS address for the User.                                                                                                                                                                                                                                                                                        |
| phone            |            | Optional | Phone number for the User.                                                                                                                                                                                                                                                                                       |
| agentSourcedIds  |            | Optional | SourcedIds of the Users to which this user has a relationship. If multiple IDs are required then use double quotes and separate with commas.<br><i>Note: In most cases this will be for indicating parental relationships.</i>                                                                                   |
| grades           |            | Required | Grade(s) for which a user with role 'student' is enrolled. The permitted vocabulary is from CEDS (Version 5) for the 'Entry Grade Level' element<br><a href="https://ceds.ed.gov/CEDSElementDetails.aspx?TermId=7100">https://ceds.ed.gov/CEDSElementDetails.aspx?TermId=7100</a>                                |
| password         |            | Optional | The password for the user. This may or may not be an encrypted string. If encrypted the systems processing must be aware of the encryption method.                                                                                                                                                               |

## Courses

| Column header    | Max Length | Required | Description                                                                                                                                                                                                                                                              |
|------------------|------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| sourcedId        | 256        | Required | Unique ID for the course. SourcedId is used in other files and must be unique across all courses.                                                                                                                                                                        |
| status           |            | Optional | See section 4.13.8 [OneRoster, 20a] for the enumeration list.                                                                                                                                                                                                            |
| dateLastModified |            | Optional | The date that this record was last modified.                                                                                                                                                                                                                             |
| title            | 256        | Required | Name of this course.                                                                                                                                                                                                                                                     |
| schoolYear       |            | Optional | Link to academicSession, if applicable.                                                                                                                                                                                                                                  |
| courseCode       | 256        | Optional | Code for this course.                                                                                                                                                                                                                                                    |
| grade            | 256        | Optional | Grade(s) for which the class is attended. The value will be either a single entry or a comma separated list enclosed in double quotes (as per RFC 4180). The permitted vocabulary is from CEDS (5th generation): <a href="https://ceds.ed.gov/">https://ceds.ed.gov/</a> |
| subjects         | 256        | Optional | This is a human readable string.                                                                                                                                                                                                                                         |
| org              | 256        | Optional | Link to org, if applicable                                                                                                                                                                                                                                               |
| subjectCodes     |            | Optional | This is a machine readable set of codes and the number should match the associated 'subjects' attribute. The vocabulary is from SCED (School Codes for the Exchange of Data): <a href="http://nces.ed.gov/forum/SCED.asp">http://nces.ed.gov/forum/SCED.asp</a>          |
| resources        |            | Optional | Link to resources, if applicable                                                                                                                                                                                                                                         |

## Classes

| Column header    | Max Length | Required | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| sourcedId        | 256        | Required | Unique ID for the class. SourcedId is used in other files and must be unique across all classes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| status           |            | Required | See section 4.13.8 [OneRoster, 20a] for the enumeration list.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| dateLastModified |            | Required | The date that this record was last modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| title            | 256        | Required | Name of this class.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| grades           |            | Required | Grade(s) for which the class is attended. The permitted vocabulary is from CEDS (Version 5) and the 'Entry Grade Level' element<br><a href="https://ceds.ed.gov/CEDSElementDetails.aspx?TermId=7100">https://ceds.ed.gov/CEDSElementDetails.aspx?TermId=7100</a>                                                                                                                                                                                                                                                                                                                                                      |
| courseSourcedId  | 256        | Required | SourcedId of the course of which this class is an instance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| classCode        |            | Required | Human readable code used to help identify this class.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| classType        |            | Required | See section 4.13.1 [OneRoster, 20a] for the enumeration list.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| location         |            | Required | Human readable description of where the class is physically located.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| schoolSourcedId  | 256        | Required | SourcedId of the Org that teaches this class of OrgType "school".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| termSourcedIds   |            | Required | SourcedId of the terms (the academicSessions) in which the class is taught.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| subjects         |            | Required | Subject name(s) in human readable form. If the 'subjectCodes' attribute is present then the subjects and subjectCodes lists must have the same length and have order significance.<br><br>The vocabulary is from SCED (Version 4) for the "Course Title" field: <a href="http://nces.ed.gov/forum/SCED.asp">http://nces.ed.gov/forum/SCED.asp</a><br><br>If the value of the "Course Title" contains commas, then those commas must be removed.<br><br>Example, the "Course Title" for "SCED Course Code" "03210" is "Science, Technology and Society". This must be represented as "Science Technology and Society". |
| subjectCodes     |            | Required | Subject codes(s) in machine readable form. If more than one subject code is needed, use double quotes, and separate with commas (per RFC 4180). If the 'subjects' attribute is present the two lists must have the same length and have order significance.<br><br>For deployments in the USA this vocabulary SHOULD be a SCED code: <a href="http://nces.ed.gov/forum/SCED.asp">http://nces.ed.gov/forum/SCED.asp</a>                                                                                                                                                                                                |
| periods          |            | Required | The time slots in the day that the class will be given. If more than one period is needed, use double quotes, and separate with commas (per RFC 4180).                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Demographics

| Column header                        | Max Length | Required    | Description                                                                                                                               |
|--------------------------------------|------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| sourcedId                            | 256        | Required    | SourcedId of the User to which the demographics refer. Typically this will be a student. Each user can have only one demographics record. |
| sex                                  |            | Recommended | See section 4.13.2 [OneRoster, 20a] for the enumeration list.                                                                             |
| americanIndianOrAlaskaNative         |            | Recommended | Enumeration. Permitted values: ("true"   "false")                                                                                         |
| asian                                |            | Recommended | Enumeration. Permitted values: ("true"   "false")                                                                                         |
| blackOrAfricanAmerican               |            | Recommended | Enumeration. Permitted values: ("true"   "false")                                                                                         |
| nativeHawaiianOrOtherPacificIslander |            | Recommended | Enumeration. Permitted values: ("true"   "false")                                                                                         |
| white                                |            | Recommended | Enumeration. Permitted values: ("true"   "false")                                                                                         |
| demographicRaceTwoOrMoreRaces        |            | Recommended | Enumeration. Permitted values: ("true"   "false")                                                                                         |
| hispanicOrLatinoEthnicity            |            | Recommended | Enumeration. Permitted values: ("true"   "false")                                                                                         |