MN v3.3 - Calendars

Last Modified on 04/30/2024 1:30 pm CDT

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This entity represents a set of dates associated with an organization.

Object Triggering Logic

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	A Calendars record will be created for each Calendar/Grade/Schedule Structure combination. • When a new Calendar and Schedule Structure is created and saved via the Calendar Wizard. • When a new Schedule Structure in an existing Calendar is created and saved. • Do not send a record if the Calendars resource is toggled 'OFF' in the Calendars Resource Preferences. • When a new Grade Level is added to a Calendar. • Do not send a record if the Calendar is mapped to an override calendar in the Resource Preferences > Calendars > Calendar Override Mapping tool. • Do not send records if the Calendar Grade Level "Exclude from State Reporting" checkbox is selected for the grade level that the student's enrollment is tied to. ◦ If one calendar is mapped to another calendar in the Calendars Override Mapping , and any grade levels are shared between the two calendars, the "mapped-to" calendar governs the "Exclude from State Reporting" status.
Put	When fields that are not part of the natural key are changed. • Type - if the type is changed on the Calendar tab. • When the Standard Day value is edited for a previously-existing Grade Level.
Delete	If a calendar and/or schedule structure is deleted. • If a grade level is deleted from a calendar. • If a previously-created Calendar's record has been sent, then it is subsequently mapped to a different calendar via the Calendar Override Mapping tool, and a resync of the Calendars resource is performed. • If a previously-created Calendars record has been sent, then the grade level is subsequently marked as "Exclude from State Reporting", and the record is resynced.
Delete/Post	Delete if a 2nd Schedule Structure is added after 1st Calendar is sent.

School Exclude, Calendar Exclude, Resource Toggle and Resync Logic

This table describes the School Exclude, Calendar Exclude, Resource Toggle and Resync logic of this object.

Action	Trigger
None	No data will send if the School or Calendar is marked as Exclude.
Delete	If the Calendar is marked as exclude after the Calendar or any dependent data is sent, the calendar and all dependent data will delete upon a resync even if the resource is toggled 'OFF'.
None	If a resource is toggled to 'OFF' after data has sent, all sent data will remain in the ODS but no new data will send.
Resync	If a Calendar record is in the Ed-Fi Identity Mapping table and not in the ODS, it will be deleted from the Ed-Fi Identity Mapping table.
Resync	If a Calendar record is in the ODS and it does not have a matching record in Campus or the Ed-Fi Identity Mapping table, it will be deleted from the ODS.
Resync	If a mapping is changed in Resource Preferences, a resync will need to be done to reflect the changes.

Natural Key Changes, Cascading Updates, and Deletes Logic

This table describes the Natural Key Changes/Cascading Updates and Deletes logic of this object.

Action	Trigger
Post/Delete	Natural Key change: If a 2nd schedule structure is added after data is sent, the first Calendar record will need to be Deleted/Posted with new Calendar Code logic to be Calendar ID + Schedule Structure ID. • If a calendar or schedule structure is moved via script, all data send to the ODS will remain and the Delete tool will need to be used to remove all data sent. • If the School ID changes, a delete/post will occur with the cascading deletes from the School ID change triggers

Scope Year Logic

This table describes scope year logic of this object.

Logic
Calendars will only send for the school year to which they are aligned. • Data will only send for years that have valid configuration. • A resync must be completed on the resource when a new scope year is connected in order for this data to send.

Resource Preferences

This table describes the Resource Preferences of this object.

Data Element Label	Mapping Needed
Calendar Type Descriptor	Calendar Type
Kindergarten Schedule Descriptor	Grade Level Kindergarten Schedule

Identity Mapping Object Key

This table describes the Identity Mapping Object Key of this object.

campusObjectType	Object Key Data Source
ScheduleStructure	structureID

Event Queue Detail

This table describes the Event Queue Detail of this object.

Campus Table	Ed-Fi Action	Fields
calendar	Post/Put/Delete	The primary table used for sending data for this resource.
gradelevel	Put	Will update the Grade Levels field if a grade level is added/removed to the school and a mapping exists for that grade level.

Error Log

Error	Possible Causes/How to Fix
403 Forbidden: {"message": "Access to the resource could not be authorized for the requested action 'http://ed-fi.org/odsapi/actions/create'."}	This is usually caused by a security set up error in the ODS. Contact the Ed-Fi Alliance for assistant on correct security setup in the ODS
Error code return from Ed-Fi. 400: [message:Validation of 'Calendar' failed. CalendarTypeDescriptorId is required.].	The Type field is not selected on the Calendar that is being sent or the Type selected on the Calendar is not mapped to an Ed-Fi Code in Resource Preferences.

Object Data Elements

This table describes data elements sent within the Calendars resource.

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
id	The unique identifier of the resource.		M	
Calendar Code	The identifier for the Calendar.	1. Reports Calendar ID + Schedule Structure ID + grade level 2. If calendar is marked 'Exclude', do not report Report a dash between concatenated values. Example: "calendarCode": "1027-1364-11"	M	alendar.calendarID + schedulestructure.structureID + gradelevel.name
School Reference	A reference to the related School resource.	Reports the fields that are part of the Natural Key for the Schools resource.	M	
SchoolYear Type Reference	A reference to the related School Year resource.	Reports the End Year the calendar is associated.	M	
calendarType Descriptor	Indicates the type of Calendar.	Reports the Ed-Fi Code the Calendar Type is mapped to in Calendar Resource Preferences. • If the Type is not selected on the Calendar or not mapped, an error will occur.	M	System Administration> Calendar> Calendar> Type calendar.type
gradeLevels	Indicates the Grade Level associated with the Calendar.	1. Report unique Grade Level value for the Calendar/Schedule Structure that are mapped to an Ed-Fi Grade Level, one Grade Level per Calendars record. 2. If a grade level is not mapped, do not report.	C	System Administration> Calendar> Calendar> Grade Grade Levels gradelevel.name

Data Element Label	Business Requirement	Business Rules	M, C or O	Location
kindergarten Schedule Descriptor	Indicates the Kindergarten schedule.	• If GradeLevel.kindergartenCode <> NULL, report the EdFi KindergartenScheduleDescriptor value mapped to the GradeLevel.kindergartenCode selected. • If GradeLevel.kindergartenCode is either NULL or not mapped, then do not report.	O	System Administration > Calendar > Grade Levels > Kindergarten Schedule GradeLevel.kindergartenCode
instructional Days	The total number of Instructional days during the current school year.	Report the total number of days marked as Instructional in the associated calendar. 1. Report the value saved in 'Instructional Days Override' if 'Instructional Days Override' is <> NULL for that grade level and that value is less than the total instructional days for that calendar. 2. Otherwise, calculate the value from days marked as "Instruction" in the calendar.	O	System Administration > Calendar > Calendar > Days OR System Administration > Calendar > Grade Levels > Instructional Days Override
lengthOfDay	Indicates the length of day.	1. Report the value saved in 'Standard Day' for the grade level. 2. If Standard Day is NULL, report the value saved in 'Student Day (instructional minutes)'.	O	System Administration > Calendar > Calendar > Calendar > Student Day (instructional minutes) OR System Administration > Calendar > Grade Levels > Standard Day Calendar.studentDay GradeLevel.standardDay

Resource Preferences Continued

The Ed-Fi Configuration tool is used to establish Ed-Fi data resources.

The following describes how to set the resource preferences for the Calendars resource. If the Configure or Edit buttons do not display, then the resource does not need to be mapped and the toggle button can be used to turn the resource on or off.

 If a mapping is changed, a resync must be performed on the resource in order for the new mappings to send correctly.
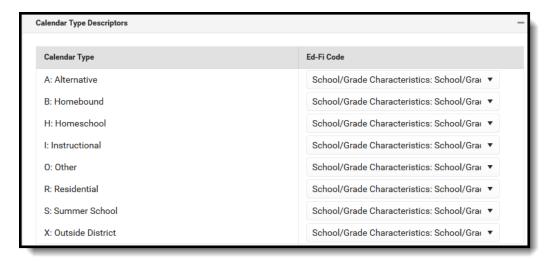
Note: Records are not sent if the Calendar Grade Level "Exclude from State Reporting" checkbox is selected for the grade level that the student's enrollment is tied to:

- If one calendar is mapped to another calendar in the Calendars Override Mapping , and any grade levels are shared between the two calendars, the "mapped-to" calendar governs the "Exclude from State Reporting" status.

1. Select the appropriate **Ed-Fi Code** for the Calendar Types.
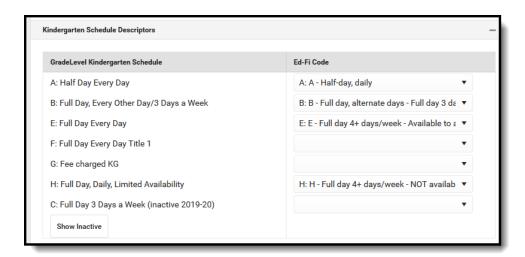
   Any item not mapped will not report to Ed-Fi.

Calendar Types	
Attribute Dictionary	System Administration > Custom > Attribute Dictionary > Calendar > Type
UI Location	System Administration > Calendar > Calendar

Calendar Type Descriptors

Calendar Type	Ed-Fi Code
A: Alternative	School/Grade Characteristics: School/Gra ▼
B: Homebound	School/Grade Characteristics: School/Gra ▼
H: Homeschool	School/Grade Characteristics: School/Gra ▼
I: Instructional	School/Grade Characteristics: School/Gra ▼
O: Other	School/Grade Characteristics: School/Gra ▼
R: Residential	School/Grade Characteristics: School/Gra ▼
S: Summer School	School/Grade Characteristics: School/Gra ▼
X: Outside District	School/Grade Characteristics: School/Gra ▼

2. Select the appropriate **Ed-Fi Code** for the Kindergarten Schedule Descriptors.

Grade Level Kindergarten Schedule	
Attribute Dictionary	System Administration > Custom > Attribute Dictionary > Grade Level > Kindergarten Schedule
UI Location	System Administration > Calendar > Grade Levels > Kindergarten Schedule

3. The Calendars Override Mapping tool allows districts to identify specific Calendar/Schedules that they want an Infinite Campus Calendar to report as. Selecting an override value in any of the droplists only sends an Ed-Fi Calendars record generated from the Infinite Campus calendar selected in the droplist. Any Student School Association records for students enrolled in the selected Infinite Campus calendar will be tied to that same Ed-Fi Calendars record. Only map a calendar to another calendar if they are both tied to the same school.

Field	Description
School	Used to filter by school.
Calendars	Used to filter by calendar.
Schedule Structures	Used to filter by schedule structure.
Override to report as:	Indicates the Infinite Campus calendar that will be used as the override.
Fill	Inserts the Infinite Campus calendar selected in the Override to report as: field into all schools.

4. Click **Save.**