Calendars (Arizona v3.6)

Last Modified on 12/14/2025 8:45 pm CST

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/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. • 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 a record if the Calendar 'Days Per Week' field is blank/null.
Put	When fields that are not part of the natural key are changed. • If the Type is changed on the Calendar tab. • When a grade level is deleted from the Grade Levels tab it will be removed from the array. • When a grade level is added to the Grade Levels tab and a mapping exists already for that grade level.
Delete	If a calendar and/or schedule structure is deleted. • If a previously created Calendars 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.
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
calendarTypeDescriptor	calendar.type
gradeLevelDescriptor	Uses the overall 'Grade Levels' mapping

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

This table describes the Error logic of this object.

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		M, C or O	Data Source GUI Path	Database Field
id	The unique identifier of the resource.		M		
Calendar Code	The identifier for the Calendar. Report the following values, concatenated with dashes between each value, in the following order: 1. District Entity ID Override 1. If NULL, District Entity ID 2. School Entity ID 3. Calendar Days Per Week 4. Structure ID		M	System Administration > Resources > School > District Entity ID System Administration > Resources > District Information Entity ID System Administration > Resources > School > Entity ID System Administration > Calendar > Calendar > Days Per Week System Administration > Calendar > Calendar > Schedule Structure > Structure ID	CustomSchool.value district.entityID School.entityID Calendar.daysPerWeek CustomCalendar.value ScheduleStructure.struct
SchoolReference	A reference to the related School resource. Reports the fields that are part of the Natural Key for the Schools resource.		M		
SchoolYear TypeReference	A reference to the related School Year resource. Reports the End Year the calendar is associated.		M		

Data Element Label	Business Requirement		M, C or O	Data Source GUI Path	Database Field
calendarType Descriptor	Indicates the type of Calendar. (Numeric Track Identifier. (Track 01, 02...)) Reports the Ed-Fi Code the Calendar Days Per Week i s mapped to in Calendar Resource Preferences.		M	System Administration > Calendar > Calendar > Calendar > Days Per Week	Calendar.daysPerWeek
calendarLocal Education AgencyReference	LEA Identity Column - the LEA reporting the calendar information. Reports the value, if it exists. 1. If it does not exist, then do not report.		M	System Administration > Resources > District Information > district record > Entity ID	District.entityID
	beginDate	Report the first day marked as Instructional tied to the calendar.	M	System Administration > Calendar > Calendar > Days > date record > Instructional	
	endDate	Report the last day marked as Instructional tied to the calendar.	M	System Administration > Calendar > Calendar > Days > date record > Instructional	
	totalInstructional Days	Calculate the total number of days with the "Instructional" checkbox checked, and report that value.	M	Student Information > calendar > Calendar > Day > Instructional	
	trackLocal Education AgencyReference localEducation AgencyId	Report the value • localEducationAgencyId • link Report the override value on the School editor if it's filled in; if not, report the number on the District editor.	M	Override, if it exists: System Administration > Resources > School > school record > District Entity ID System Administration > District Information > district record > Entity ID	Calendar.distrcitID School.districtEntityID

Data Element Label	Business Requirement		M, C or O	Data Source GUI Path	Database Field
gradeLevels	Indicates the GradeLevel associated with the Calendar. 1. Reports all unique Grade Levels for the Calendar/Schedule Structure that are mapped to an Ed-Fi Grade Level. a. Do not report if the Grade Level is in a Calendar marked as Exclude. 2. If a grade level is not mapped, do not report. Do not report if the Grade Level is in a Calendar marked as Exclude.		O	System Administration> Calendar> Calendar> Grade Grade Levels	gradelevel.name

Type/Descriptor

This table describes the Ed-Fi Value mapped and reported for Calendar Type Descriptor:

Code Value	Description	Namespace	Short Description
Student Specific	Student Specific	uri://ed-fi.org/CalendarTypeDescriptor	Student Specific
IEP	IEP	uri://ed-fi.org/CalendarTypeDescriptor	IEP