

Ed-Fi 2.x Calendar Date Entity Mapping

Overview

This document defines the mappings of Aeries data and codes to Ed-Fi 2.x Client SDK properties.



Status

Ready for certification

Document Version 1.5

Last Updated 25 Feb 2020

Links

Entity

<https://mappingedu.ed-fi.org/#/entity/7a0f049f-4ed2-e811-80d9-005056b36109/info?dataStandardId=db3697f4-4dd2-e811-80d9-005056b36109>

Scenarios

<https://techdocs.ed-fi.org/display/EDFICERT/Education+Organization+Calendar+%3E+CalendarDate+Scenarios>

Schema

<https://schema.ed-fi.org/datahandbook-v22/Ed-Fi-UDM-Handbook-Index.html#/CalendarDate545>

Root Table

DAY

SQL

Scheduled

DAY_Functions.GetEdFiDataTable_CalendarDate

```
SELECT [HO], [DT], [SC], [DY]
FROM [DAY]
WHERE [DEL] = 0
ORDER BY [SC], [DY]
```

Real-Time

DAY_Functions.GetEdFiDataTable_CalendarDate

```
SELECT [HO], [DT], [SC], [DY]
FROM [DAY]
WHERE [DEL] = 0 AND [DTS] >= @TimeSince
ORDER BY [SC], [DY]
```

Mapping

Parent	Property	Type	Required	Table	Field	Other	Code / Notes
\	calendarEvents	List(Of CalendarDate CalendarEvent)	Required				

calendarEvents[n]	calendarEvents(1)	CalendarDate CalendarEvent	Required				Only create one event per record/day
calendarEvents[n]	calendarEvent Descriptor	CalendarEventMap Type	Required	DAY	HO	Calculated	GetCalendar EventName(s("HO")) see function below
calendarEvents[n]	eventDuration	Double	Conditional				It seems to always be for a whole day so 1 In Aeries there is no place to track the percentage of a day for a calendar item. Do not send anything
\	date	Date	Identity	DAY	DT		GetNullableDate(s("DT"))
\	schoolReference	SchoolReference	Identity				
schoolReference	schoolId	Integer	Identity	DAY	SC		GetNullableInteger(s("SC"))
schoolReference	link	Link	Optional				

Code Logic

This is an Ed-Fi Type we are hard coding the mappings to.
It's assumed that these are hard coded in Aeries so no mapping is needed.

@ = School not in session

= School Holiday = "Holiday"

% = Minimum Day = "Student late arrival/early dismissal"

+ = Parent Conference = "Other"

\$ = Staff Development = "Teacher only day"

Else "Instructional day"

NOTE: There is no descriptor for 'School is not in session' or anything like that.

This implies that only school days are to be uploaded to the ODS.

Therefore, we filter out the data to exclude records where 'HO' = '@'

```

Public Shared Function GetCalendarEventName(ByVal calendarEvent As String) As String

    Dim calendarEventName As String = String.Empty

    Select Case calendarEvent

        Case "@" ' School not in session
            calendarEventName = CalendarEventTypes(EdFiCalendarEventTypeEnum.Other)

        Case "#" ' School Holiday
            calendarEventName = CalendarEventTypes(EdFiCalendarEventTypeEnum.Holiday)

        Case "$" ' Staff Development
            calendarEventName = CalendarEventTypes(EdFiCalendarEventTypeEnum.TeacherOnlyDday)

        Case "%" ' Minimum Day
            calendarEventName = CalendarEventTypes(EdFiCalendarEventTypeEnum.
StudentLateArrivalEarlyDismissal)

        Case "+" ' Parent Conference
            calendarEventName = CalendarEventTypes(EdFiCalendarEventTypeEnum.Other)

        Case Else ' must be a normal instructional day
            calendarEventName = CalendarEventTypes(EdFiCalendarEventTypeEnum.InstructionalDay)
    End Select

    Return calendarEventName

End Function

Public Enum EdFiCalendarEventTypeEnum
    EmergencyDay
    Holiday
    InstructionalDay
    MakeUpDay
    Other
    Strike
    StudentLateArrivalEarlyDismissal
    TeacherOnlyDday
    WeatherDay
End Enum

Public Shared ReadOnly CalendarEventTypes As String() = {
    "Emergency day",
    "Holiday",
    "Instructional day",
    "Make-up day",
    "Other",
    "Strike",
    "Student late arrival/early dismissal",
    "Teacher only day",
    "Weather day"
}

```