

Ed-Fi 3.x Session Entity Mapping

Overview

This document defines the mapping of Aeries data to the Ed-Fi data standard.



Document Version 1.0

Last Updated 07 Nov 2021

Status

Ready for v3 certification.

Description

A term in the school year, generally a unit of time into which courses are scheduled, instruction occurs and by which credits are awarded. Sessions may be interrupted by vacations or other events.

Note

We start by getting a list of terms from the TRM table. From each row we get the start data, end date, and term.

Then we check to see if the school is an elementary school or secondary school. If an elementary school pull the data from the TRM table, else get it from the GRP table.

Session Links

Mapping v3.2.0-c

<https://mappingedu.ed-fi.org/#!/entity/af036848-e7ba-ea11-80df-005056b36109/info?dataStandardId=7ec6133d-e7ba-ea11-80df-005056b36109>

Schema v3.2.0-c

<https://schema.ed-fi.org/datahandbook-v320c/#!/Session582>

API v3.4.0

<https://api.ed-fi.org/v3.4.0/docs/index.html#/sessions>

Scenarios v3

<https://techdocs.ed-fi.org/display/EDFICERT/v3+Education+Organization+Calendar+%3E+Sessions+Scenarios>

Natural Key

- SchoolId
- SchoolYear
- SessionName

Used By

- CourseOffering.Session (as required)
- StudentSchoolAttendanceEvent.Session (as required)
- Survey.Session (as optional)

Mappings

These are the actual mappings used in code

Parent	Properties	Type	Required	Table	Field	Other	Code / Notes
\	beginDate	Date	Required	TRM	D1	BeginDate	GetNullableDate(s("BeginDate"))
\	endDate	Date	Required	TRM	D2	EndDate	GetNullableDate(s("EndDate"))
\	sessionName	String	Identity	TRM	D1,D2,SC,TM		schoolYear & " " & termDescriptor

\	termDescriptor	Descriptor	Identity	TRM	TM		GetTermDescriptor(rowTRM!SC, rowTRM!TM) see function below
\	schoolYearType Reference	SchoolYearType Reference	Identity				
schoolYearType Reference	schoolYear	Integer	Identity	TRM	D1	BeginDate	GetSchoolYear(rowTRM!BeginDate) see function below
\	gradingPeriods	List(Of SessionGrading Period)	Required				
gradingPeriods	gradingPeriodReference	gradingPeriodReferen ce	Required				
gradingPeriodReference	gradingPeriod Reference	GradingPeriod Reference	Required				
gradingPeriodReference	schoolId	Integer	Required	TRM or GRP	SC		GetNullableInteger(rowGRPTRM!SC)
gradingPeriodReference	gradingPeriodDescriptor	Descriptor	Required	TRM or GRP	TM	StateCode	GetEdFiCodeValue(GradingPeriodDescriptor, "GRP", "C1", rowGRPTRM! StateCode)
gradingPeriodReference	periodSequence	integer	Required	TRM or GRP	SEQ 1-12		GetNullableInteger(s("SEQ"))
gradingPeriodReference	schoolYear	integer	Required				School year from code.
\	schoolReference	SchoolReference	Identity				
schoolReference	schoolId	Integer	Identity	TRM	SC		GetNullableInteger(s("SC"))
\	totalInstructional Days	Integer	Required	TRM	SC, D1, D2	Calculated	GetTotalInstructionalDays(drTRM!SC, rowTRM!BeginDate, rowTRM!EndDate) see function below
\	academicWeeks	List(Of SessionAcademic Weeks)	Optional				
academicWeeks[]	academicWeek Reference	AcademicWeek Reference	Optional				
academicWeekReferen ce	schoolId	Integer	Optional				
academicWeekReferen ce	weekIdentifier	String	Optional				

Code

```
Public Shared Function GetTermDescriptor(ByVal SC As Integer, ByVal TM
As String, ByVal ConnectionString As String) As String
```

```
    Select Case TM
        Case "Y"           Return "Year Round"
        Case "S"           Return "Spring Semester"
        Case "F"           Return "Fall Semester"
    End Select
```

```
    If Trimester(SC, ConnectionString) Then
        Select Case TM
            Case "1"       Return "First Trimester"
            Case "2"       Return "Second Trimester"
            Case "3"       Return "Third Trimester"
```

```

        End Select
    Else
        Select Case TM
            Case "1"           Return "First Quarter"
            Case "2"           Return "Second Quarter"
            Case "3"           Return "Third Quarter"
            Case "4"           Return "Fourth Quarter"
        End Select
    End If

    Return TM
End Function

Public Shared Function GetSchoolYear(ByVal SchoolDate As String) As Integer?

    Dim schoolYear As Integer? = Nothing
    Dim schoolDateValue As Date

    If Date.TryParse(SchoolDate, schoolDateValue) Then
        schoolYear = EdFiV2Functions.GetSchoolYearFromDate
(schoolDateValue)
    End If

    Return schoolYear

End Function

Public Shared Function GetSchoolYearFromDate(ByVal SchoolDate As Date)
As Integer

    ' Ed-Fi sometimes uses a single year as 'school year'. It's
    actually, just the end year of a full school year in the form YYYY-YYYY
    Return GetEndYear(SchoolDate)

End Function

Public Shared Function GetEndYear(ByVal startDate As Date) As Integer

    Dim endYear As Integer = Nothing
    Dim startMonth As Integer = Month(startDate)

    If startMonth >= 7 Then           ' July-Dec = "this
year" (i.e. 9/1/2012 = 2012-2013, so 2013)
        endYear = Year(startDate) + 1
    Else ' startMonth < 7           '
Jan-June = "last year" (i.e. 3/1/2012 = 2011-2012, so 2012)
        endYear = Year(startDate)
    End If

```

```
Return endYear
```

```
End Function
```