

Ed-Fi 2.x Course Offering Entity Mapping

Overview

Use this page to help understand and define the mapping of Aeries data to Ed-Fi data



Status

Ready for certification

Document Version 1.5

Last Updated 25 Feb 2020

Links

Entity

<https://mappingedu.ed-fi.org/#/entity/a110049f-4ed2-e811-80d9-005056b36109/info?dataStandardId=db3697f4-4dd2-e811-80d9-005056b36109>

Scenarios

<https://techdocs.ed-fi.org/display/EDFICERT/MasterSchedule+%3E+CourseOffering+Scenarios>

Schema

<https://schema.ed-fi.org/datahandbook-v22/Ed-Fi-UDM-Handbook-Index.html#/CourseOffering551>

Root Table

CRS

SQL

Scheduled

CRS_Functions.GetEdFiDataTable_CourseOfferings

```
SELECT DISTINCT CRS.CN, CRS.CO, MST.SC, TRM.TM, TRM.D1
FROM CRS
INNER JOIN (MST INNER JOIN TRM ON MST.SC = TRM.SC AND MST.SM = TRM.TM) ON CRS.CN = MST.CN
WHERE CRS.DEL = 0 AND MST.SC = @SC AND MST.DEL = 0 AND TRM.DEL = 0
```

Real-Time

CRS_Functions.GetEdFiDataTable_CourseOfferings

```
SELECT DISTINCT CRS.CN, CRS.CO, MST.SC, TRM.TM, TRM.D1
FROM CRS
INNER JOIN (MST INNER JOIN TRM ON MST.SC = TRM.SC AND MST.SM = TRM.TM) ON CRS.CN = MST.CN
WHERE CRS.DEL = 0 AND MST.SC = @SC AND MST.DEL = 0 AND TRM.DEL = 0 AND [CRS].[DTS] >= @TimeSince
```

Entity Mapping

Parent	Property	Type	Required	Table	Field	Other	Code / Notes
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\	courseReference	CourseReference	Required				
course Reference	code	String	Required	CRS	CN		GetString(s("CN"))
course Reference	educationOrganizationId	Integer	Required			DistrictId	OdsConfiguration. DistrictId
course Reference	link	Link	Optional				
\	curriculumUses	List(Of CourseOffering CurriculumUsed)	Optional				
curriculumUses[n]	curriculumUses(1)	CourseOffering CurriculumUsed	Optional				
curriculumUses[n]	curriculumUsedType	CurriculumUsedType	Optional				
\	instructionalTime Planned	Integer	Optional				
\	localCourseCode	String	Identity	CRS	CN		GetString(s("CN"))
\	localCourseTitle	String	Required	CRS	CO		GetString(s("CO"))
\	schoolReference	SchoolReference	Identity				
schoolReference	link	Link	Optional				
schoolReference	schoolId	Integer	Identity	MST	SC		GetNullableInteger(s("SC"))
\	sessionReference	SessionReference	Identity				
sessionReference	link		Optional				
sessionReference	schoolId	Integer	Identity	TRM	SC		GetNullableInteger(s("SC"))
sessionReference	schoolYear	Integer	Identity	TRM	D1		GetSchoolYear(s("D1")) see function below
sessionReference	termDescriptor	TermMapType	Identity	TRM	SC		GetTermDescriptor(rowCRS!SC,rowCRS!TM) see function below

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  
        endYear = Year(startDate) + 1  
    Else ' startMonth < 7  
        endYear = Year(startDate)  
    End If
```

```
    Return endYear
```

```
End Function
```