

Ed-Fi 2.x Staff School Association 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/7fcbf4aa-4ed2-e811-80d9-005056b36109/info?dataStandardId=db3697f4-4dd2-e811-80d9-005056b36109>

Scenarios

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

Schema

<https://schema.ed-fi.org/datahandbook-v22/Ed-Fi-UDM-Handbook-Index.html#/StaffSchoolAssociation603>

Root Table

TCH

SQL

Scheduled

Public Class TCH_Functions.GetEdFiDataTable_StaffSchoolAssociation

```
SELECT [SC], [ID], MIN(LO) AS [LO], MAX(HI) AS [HI], [DTS]
FROM (
    SELECT DISTINCT [SC], [ID], [LO], [HI], [DTS]
    FROM [TCH]
    WHERE [DEL] = 0 AND [SC] = @SC AND [ID] > 0 AND ([TG] = '' OR [TG] = ' ')
UNION
    SELECT DISTINCT [SC], [ID2] AS [ID], [LO], [HI], [DTS]
    FROM [TCH]
    WHERE [DEL] = 0 AND [SC] = @SC AND [ID2] > 0 AND ([TG] = '' OR [TG] = ' ')
UNION
    SELECT DISTINCT [SC], [ID3] AS [ID], [LO], [HI], [DTS]
    FROM [TCH]
    WHERE [DEL] = 0 AND [SC] = @SC AND [ID3] > 0 AND ([TG] = '' OR [TG] = ' ')
) [T]
GROUP BY [SC], [ID], [DTS]
ORDER BY [SC], [ID]
```

Real-Time

Public Class TCH_Functions.GetEdFiDataTable_StaffSchoolAssociation

```

SELECT [SC], [ID], MIN(LO) AS [LO], MAX(HI) AS [HI], [DTS]
FROM (
    SELECT DISTINCT [SC], [ID], [LO], [HI], [DTS]
    FROM [TCH]
    WHERE [DEL] = 0 AND [SC] = @SC AND [ID] > 0 AND ([TG] = '' OR [TG] = ' ')
UNION
    SELECT DISTINCT [SC], [ID2] AS [ID], [LO], [HI], [DTS]
    FROM [TCH]
    WHERE [DEL] = 0 AND [SC] = @SC AND [ID2] > 0 AND ([TG] = '' OR [TG] = ' ')
UNION
    SELECT DISTINCT [SC], [ID3] AS [ID], [LO], [HI], [DTS]
    FROM [TCH]
    WHERE [DEL] = 0 AND [SC] = @SC AND [ID3] > 0 AND ([TG] = '' OR [TG] = ' ')
) [T]
GROUP BY [SC], [ID], [DTS]
HAVING [DTS] >= @TimeSince
ORDER BY [SC], [ID]

```

Mapping

Parent	Property	Type	Required	Table	Field	Other	Code / Notes
\	academicSubjects	List(Of StaffSchoolAssociation AcademicSubject)	Required				
academicSubjects[n]	academicSubjects[n]	StaffSchoolAssociation AcademicSubject	Required				
academicSubjects[n]	academicSubject Descriptor	AcademicSubject MapType	Required			hard code to "Other"	"Other" Not stored in Aeries
\	gradeLevels	List(Of StaffSchool AssociationGradeLevel)	Required				
gradeLevels	gradeLevels[n]	StaffSchoolAssociation GradeLevel	Required				
gradeLevels[n]	gradeLevelDescriptor	GradeLevelMapType	Required	TCH	LO & HI		Loop between lowGrade and highGrade GetEdFiCodeValue(EdFiResourceDescriptors. GradeLevelDescriptor, "STU", "GR", grade.ToString()) see function below
\	programAssignment Descriptor	ProgramAssignment MapType	Identity			hard code to 'Regular Education'	GetString("Regular Education")
\	schoolReference	SchoolReference	Required				
schoolReference	link	Link	Optional				
schoolReference	schoolId	Integer	Identity	TCH	SC		GetNullableInteger(s("SC"))
\	schoolYearType Reference	SchoolYearType Reference	Optional				
schoolYearType Reference	link	Link	Optional				
schoolYearType Reference	schoolYear	Integer	Optional				
\	staffReference	StaffReference	Identity				
staffReference	link	Link	Optional				
staffReference	staffUniqueld	String	Identity	TCH	ID		GetString(s("ID"))

Code

```

Public Function GetStaffGradeLevels(ByVal rowTCH As DataRow) As List(Of StaffSchoolAssociationGradeLevel)

    Dim gradeLevels As List(Of StaffSchoolAssociationGradeLevel) = New List(Of
StaffSchoolAssociationGradeLevel)

    Try

        Dim lowGrade As Integer = rowTCH!LO
        Dim highGrade As Integer = rowTCH!HI
        Dim gradelevel As String = String.Empty

        For grade As Integer = lowGrade To highGrade
            AddGradeLevel(gradeLevels, grade)
        Next

    Catch ex As Exception
        ' TODO log exception then keep mapping
    End Try

    Return gradeLevels

End Function

Private Sub AddGradeLevel(ByRef gradeLevels As List(Of StaffSchoolAssociationGradeLevel), ByVal grade As
Integer)

    Dim gradelevelDescriptor As String = EdFiDescriptors.GetEdFiCodeValue(EdFiResourceDescriptors.
GradeLevelDescriptor, "STU", "GR", grade.ToString(), OdsConfiguration.ConfigId, DbConnectionString)

    If Not String.IsNullOrEmpty(gradelevelDescriptor) Then

        Dim gradeLevel As StaffSchoolAssociationGradeLevel = New StaffSchoolAssociationGradeLevel

With {
            .gradeLevelDescriptor = gradelevelDescriptor
        }

        If Not gradeLevels.Any(Function(g) g.gradeLevelDescriptor = gradeLevel.gradeLevelDescriptor)
Then
            gradeLevels.Add(gradeLevel)
        End If
    End If

End Sub

```