Sessions (Kansas v3.6)

Last Modified on 01/23/2026 7:11 am CST

Object Triggering Logic | School Exclude, Calendar Exclude, Resource Toggle and Resync Logic | Natural Key Changes, Cascading Updates, and Deletes Logic | Scope Year Logic | Resource Preferences | Identity Mapping Object Key | Event Queue Detail | Error Log | Object Data Elements | Arrays | Type Descriptor

Tool Search: Ed-Fi

This entity represents the prescribed span of time when an education institution is open, instruction is provided and students are under the direction and guidance of teachers and/or education institution administration. A session may be interrupted by one or more vacations.

Object Triggering Logic

This table describes logic for triggering syncing of this object.

Action	Trigger
Post	When a new Term is created and saved that is mapped to a Term Type and a resync of Sessions is completed. • When the same Term Type is selected on multiple Terms, group the Terms together so only one record reports per Term Type. • When there are multiple Calendars or Schedule structures in a School with the same Term Types, only one record can report to Ed-Fi. Report the earliest Term Start Date and latest Term End Date. • Does not send records when the Calendar Exclude check box is marked. • Does not send when the School is marked as Exclude.
Post	When a Term Descriptor Override is selected on a Course or Section and saved and the course is mapped to a Term Descriptor Override and a resync of Sessions is completed. • The Session reports the start and end dates based on the mapping of the course section. • When the same Term Type is selected in the Terms Setup and the Term Type Override, a record does not send from the override field. • Does not send records when he Calendar Exclude check box is checked or Course is marked as Inactive or Exclude.
Put	When the Grading Period data is changed or the Grading Period record is deleted.
Delete	When the Term is deleted or the mapping is removed the Session record and all dependent data is removed.

**Start and End dates are not part of the natural Key so only 1 record per Term Type can be sent to Ed-Fi. Logic has been implemented to determine the priority of what start and end dates to use for a Term Type.

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	When a resource is toggled to OFF after data has sent, all sent data remains in the ODS but no new data sends.
Delete	When a resource is toggled to OFF after data has sent and an action is performed that would trigger a delete, that data remains in the ODS until a resync is done.
Resync	When a record is in the Ed-Fi Identity Mapping table and not in the ODS, it is deleted from the Ed-Fi Identity Mapping table.
Resync	When a record is in the ODS and it does not have a matching record in Campus or the Ed-Fi Identity Mapping table, it is deleted from the ODS.
Resync	When a mapping is changed in Resource Preferences, a resync needs 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
Delete/Post	Natural Key change: • When the School ID changes, all data remaina under the old number and a resync needa to be completed to populate data under the new number. The delete tool would need to be used to remove all data from the old School ID.
Delete/Post	When the Session Name changes.
Delete/Post	When the natural key changes all dependent resources delete/post. • Course Offerings, Sections, Staff Section Associations, Student Section Associations, Student Section Attendance Events, Grades.

Scope Year Logic

This table describes scope year logic of this object.

Logic
Reports Sessions for the scope year the to which the calendar is aligned.
Data will only send for the years that have valid configuration.

Resource Preferences

This table describes the Resource Preferences of this object.

Data Element Label	Mapping Needed
Term Detail	Term Descriptors
Course/Section	Term Descriptor Overrides

Identity Mapping Object Key

This table describes the Identity Mapping Object Key of this object.

*If there are multiple terms, overridden courses, or overridden sections in a school with the same term descriptor, there will be an identity mapping record for each Campus record and they will have the same edFiIdentityID.

Where Posting From	campusObjectType	Object Key Data Source
Course override	Course	courseID
Section override	Course	courseID-sectionID
Term	Term	termID

Event Queue Detail

This table describes the Event Queue Detail of this object.

Campus Table	Ed-Fi Action	Fields
Term	Post/Put/Delete	The primary table used for sending data for this resource.
Course	Post/Put/Delete	The primary table used for sending data for this resource.
Section	Post/Put/Delete	The primary table used for sending data for this resource.
sectionPlacement	Put	Start/End Date

Error Log

This table describes the Error logic of this object.

Error	Possible Causes/How to Fix
Error code return from Ed-Fi. 400: [message:Validation of 'Session' failed. BeginDate is required. BeginDate : '1/1/0001 12:00:00 AM' must be within SQL datetime range ('1/1/1753 12:00:00 AM' to '12/31/9999 11:59:59 PM') EndDate is required. EndDate : '1/1/0001 12:00:00 AM' must be within SQL datetime range ('1/1/1753 12:00:00 AM' to '12/31/9999 11:59:59 PM')].	Term start or end dates are missing

Object Data Elements

This table describes data elements sent within the Sessions resource.

Data Element Label	Business Requirements and Rules	Mandatory, Conditional or Optional	Location
id	The unique identifier of the resource.	M	
SessionName	The identifier for the calendar for the academic session. For the Term Descriptor of the Term(s) being reported, reports the Session Name associated with the mapped Ed-Fi Code value. See Kansas sessionName translation table below.	M	Reporting > Ed-Fi > Configuration > Resources Preferences > Sessions > Ed-Fi Code EdfiMapping.edFiValue
schoolReference	A reference to the related School resource. Reports the fields that are part of the Natural Key for the School resource.	M	

Data Element Label	Business Requirements and Rules	Mandatory, Conditional or Optional	Location
schoolYearTypeReference	A reference to the related SchoolYearType resource. Reports the end year from the calendar the term is reported. Reports XXXX.	M	
academicWeeks	An unordered collection of sessionAcademicWeeks This is optional, do not report.	O	
beginDate	The Term start date. When reporting from a Term Schedule, reports the start date of the term being reported. • When more than one term has the same Term Type selected, report the earliest start date. • When reporting from a Term Type Override on a Course or Section. ○ Reporst the earliest term start date based on all sections with the same Term Override.	M	Terms Setup > Start Date Term.startDate
endDate	The Term end date. When reporting from a Term Schedule, reports the end date of the term being reported. • When more than one term has the same Term Type selected, use the latest end date. • When reporting from a Term Type Override on a Course or Section, reports the latest end date based on all sections with the same Term Override.	M	Term Setup > End Date Term.endDate
Data Element Label	Business Requirements and Rules	Mandatory, Conditional or Optional	Location

Data Element Label	Business Requirements and Rules	Mandatory, Conditional or Optional	Location
gradingPeriods	An unordered collection of sessionGradingPeriods.	O	
termDescriptor	This descriptor defines the term of a session during the school year (e.g., Fall Semester). When reporting from Term Descriptors mapping, report the Ed-Fi Code for the value selected When Ed-Fi Term Type is Null, or when no Ed-Fi code exists, does not report. When reporting from the Term Descriptor Overrides, report the Ed-Fi code value selected.	M	edfimapping.edFiValue

Data Element Label	Business Requirements and Rules	Mandatory, Conditional or Optional	Location

Data Element Label	Business Requirements and Rules	Mandatory, Conditional or Optional	Location
totalInstructionalDays	Total Days in Session. When reporting from Term Schedule, count the total number of instructional days from the Days tab from the calendar and schedule structure the term is associated with. • A day reset must be completed before the days calculate. Use the resync after day reset is completed to have instructional days calculated and sent. • When more than one term schedule has the same Term Type, counts the distinct number of instructional days from all terms for that Term Type. When reporting from Term Type Override, count the number of instructional days that fall on/between the start and end dates.	M	

Session Name Translation Table

▶ Click here to expand...

Code Value	Session Name
Q1	SchoolYear.endYear + ' Quarter 1'
Q2	SchoolYear.endYear + ' Quarter 2'
Q3	SchoolYear.endYear + ' Quarter 3'
Q4	SchoolYear.endYear + ' Quarter 4'
S1	SchoolYear.endYear + ' First Semester'
S2	SchoolYear.endYear +' Second Semester'

Code Value	Session Name
SM	'Summer'
T1	SchoolYear.endYear + ' Trimester 1'
T2	SchoolYear.endYear + ' Trimester 2'
T3	SchoolYear.endYear + ' Trimester 3'
YR	SchoolYear.endYear +' School Year'

Arrays

▶ Click here to expand...

Grading Periods

Data Element Label	Business Requirements and Rules	Mandatory, Conditional or Optional	Location
gradingPeriodReference	Reference to the related Grading Period resource. Reports any Grading Period that has a Grading Period End Date in the Session being reported. • Grading Period End Date must be on or after Session Start Date and on or before Session End Date. When reporting from Term Type Override, reports any Grading Period where the Grading Period End Date occurs in the Session being reported. • Grading Period End Date must be on or after Session Start Date and on or before Session End Date.	M	

Type Descriptor

▶ Click here to expand...

Term Descriptor

Code Value	Description	Namespace	Short Description
Fall Semester	Fall Semester	uri://ed-fi.org/TermDescriptor	Fall Semester
First Quarter	First Quarter	uri://ed-fi.org/TermDescriptor	First Quarter
First Trimester	First Trimester	uri://ed-fi.org/TermDescriptor	First Trimester
Fourth Quarter	Fourth Quarter	uri://ed-fi.org/TermDescriptor	Fourth Quarter
MiniTerm	MiniTerm	uri://ed-fi.org/TermDescriptor	MiniTerm
Other	Other	uri://ed-fi.org/TermDescriptor	Other
Quarter	Quarter	uri://ed-fi.org/TermDescriptor	Quarter
Second Quarter	Second Quarter	uri://ed-fi.org/TermDescriptor	Second Quarter
Second Trimester	Second Trimester	uri://ed-fi.org/TermDescriptor	Second Trimester
Semester	Semester	uri://ed-fi.org/TermDescriptor	Semester
Spring Semester	Spring Semester	uri://ed-fi.org/TermDescriptor	Spring Semester
Summer Semester	Summer Semester	uri://ed-fi.org/TermDescriptor	Summer Semester
Third Quarter	Third Quarter	uri://ed-fi.org/TermDescriptor	Third Quarter
Third Trimester	Third Trimester	uri://ed-fi.org/TermDescriptor	Third Trimester
Trimester	Trimester	uri://ed-fi.org/TermDescriptor	Trimester
Year Round	Year Round	uri://ed-fi.org/TermDescriptor	Year Round