

Error Log (Ed-Fi)

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Tool Search: Error Log

The Ed-Fi Error Log displays errors for Ed-Fi records that failed due to a Campus Error or an Ed-Fi error. Users can use this log to help identify potential errors in data setup or bugs in the Ed-Fi code.

Error Log ☆
Reporting > Ed-Fi > Error Log
Related Tools ^

Filter ▾

Resource/Table
Error Type
Person
School
Configuration
Details

	Resource Name / Campus Table Name	Count ↓
▼	Resource Name	
<input type="checkbox"/>	Course Transcripts	33
<input type="checkbox"/>	Student Academic Records	5

Archive Selected Entries ▾

Retry Selected Entries ▾

Export to CSV

Ed-Fi Error Log

Read - View the Error Log.

Write - Archive or retry error log entries.

Add - Provides no function for this tool.

Delete - Provides no function for this tool.

For more information about Tool Rights and how they function, see [this Tool Rights article](#).

Prerequisites

- Ed-Fi functionality must be enabled via the [Enable Ed-Fi System Preferences tool](#).
- In order to properly use Ed-Fi tools, proper values must be established within the [Ed-Fi Config tool](#). This ensures Campus is communicating with Ed-Fi and successfully sending data to their

servers.

- All data set up must be completed for data to send.

Filter Error Log Entries

The Filter option in the Ed-Fi Error Log allows users to filter errors by Resource/Table Name, Error Type, Configuration, School, Calendar, Course, and/or Name. Only errors matching the filter criteria will display.

The screenshot shows the 'Error Log' interface with a 'Filter' dropdown menu highlighted in a red box. Below the filter are input fields for Resource/Table, Error Type, Configuration, School, Calendar, Course, and Name. A table below shows the filtered results under the 'Resource Name' tab.

Resource Name / Campus Table Name	Count
<input type="checkbox"/> Student Program Associations	333
<input type="checkbox"/> Student Section Associations	66
<input type="checkbox"/> Student Special Education Program Associations	3
<input type="checkbox"/> Student Academic Records	2
<input type="checkbox"/> Student Education Organization Associations	2
<input type="checkbox"/> Discipline Actions	1
<input type="checkbox"/> Student Parent Associations	1
<input type="checkbox"/> Student School Associations	1
<input type="checkbox"/> Student School Food Service Program Associations	1

Error Log Filters

Reviewing Error Log Entries

Summaries of Error Log entries can be viewed by Resource/Table, Error Type, Person, School, Configuration, and Details. Details of a specific error can be viewed by clicking on the Error Log entry.

Reporting > Ed-Fi > Error Log
Related Tools ^

Filter v

Resource/Table
Error Type
Person
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Resource Name / Campus Table Name	Count ↓
▼ Resource Name	
<input type="checkbox"/> Student Program Associations	333
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<input type="checkbox"/> Student Academic Records	2
<input type="checkbox"/> Student Education Organization Associations	2
<input type="checkbox"/> Discipline Actions	1
<input type="checkbox"/> Student Parent Associations	1
<input type="checkbox"/> Student School Associations	1
<input type="checkbox"/> Student School Food Service Program Associations	1

Archive Selected Entries v
Retry Selected Entries v
Export to CSV

Error Log Summaries

Summary	Description
Resource/Table	Lists the resource/Campus table in which the error occurred and number of errors per resource/table.
Error Type	Lists the error type, resource in which the error occurred, and number of errors per error type.
Person	Lists the persons name, person ID, and number of errors for each person.
School	Lists the school name in which the error occurred and the number of errors per school.
Configuration	Lists the Ed-Fi configuration in which the error occurred and the number of errors for each configuration.
Details	Lists specific details about each error, including: Error ID, Timestamp, Data Source, Name, Resource Name, Error Message, Configuration, Campus Table Name, Old Data, New Data, and Action.

Review Error Log Entries by Resource/ Campus Table

The Resource/Table view allows users to review errors by resource and Campus table. This view lists the number of errors per resource and Campus table. Details of an error can be viewed by clicking on the Error Log entry.

Error Log ☆ Reporting > Ed-Fi > Error Log
Related Tools ^

Filter ▾

Resource/Table | **Error Type** | Person | School | Configuration | Details

Resource Name / Campus Table Name		Count ↓
▼ Resource Name		
<input type="checkbox"/>	Student Program Associations	333
<input type="checkbox"/>	Student Section Associations	66
<input type="checkbox"/>	Student Special Education Program Associations	3
<input type="checkbox"/>	Student Academic Records	2
<input type="checkbox"/>	Student Education Organization Associations	2
<input type="checkbox"/>	Discipline Actions	1
<input type="checkbox"/>	Student Parent Associations	1
<input type="checkbox"/>	Student School Associations	1
<input type="checkbox"/>	Student School Food Service Program Associations	1

▾ |
 ▾ |

Error Log - Resource Name View

Campus Table Name		Count
<input type="checkbox"/>	EmploymentAssignment	37
<input type="checkbox"/>	Employment	27
<input type="checkbox"/>	DeleteTool	2
<input type="checkbox"/>	Enrollment	2
<input type="checkbox"/>	Graduation	2
<input type="checkbox"/>	SectionPlacement	1

▾ |
 ▾ |

Error Log - Campus Table Name View

Review Error Log Entries by Error Type

The Error Type view allows users to review errors by the type of error that occurred. This view also lists the resource in which the error occurred and the number of errors for each type. Details of an error can be viewed by clicking on the Error Log entry.

Error Log ☆ Reporting > Ed-Fi > Error Log
Related Tools ^

Filter ▾

Resource/Table | **Error Type** | Person | School | Configuration | Details

	Error Type	Resource	Count ↓
<input type="checkbox"/>	Error code returned from Ed-Fi. 404: Failed to delete studentProgramAssociations...	Student Program Associations	333
<input type="checkbox"/>	Referenced sections resource could not be found. Resync sections and try again.	Student Section Associations	66
<input type="checkbox"/>	Could not identify valid term descriptor for graduation or enrollment record	Student Academic Records	2
<input type="checkbox"/>	Error code returned from Ed-Fi. 409: Failed to delete studentSpecialEducationProgramAssociations...	Student Special Education Program Associations	2
<input type="checkbox"/>	Birth Gender is required to send a Student Education Organization Association record.	Student Education Organization Associations	1
<input type="checkbox"/>	Error code return from Ed-Fi. 400: [message:Validation of 'StudentParentAssociation' failed....	Student Parent Associations	1
<input type="checkbox"/>	Error code return from Ed-Fi. 400: [message:Validation of 'StudentSpecialEducationProgramAssociation' failed....	Student Special Education Program Associations	1
<input type="checkbox"/>	Error code returned from Ed-Fi. 404: Failed to delete studentEducationOrganizationAssociations...	Student Education Organization Associations	1
<input type="checkbox"/>	Error code returned from Ed-Fi. 404: Failed to delete studentSchoolAssociations...	Student School Associations	1

▾
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Error Log - Error Type View

Review Error Log Entries by Person

The Person view allows users to review errors by person name. This view also lists the personID and the number of errors for each person. Details of an error can be viewed by clicking on the Error Log entry.

Error Log ☆ Reporting > Ed-Fi > Error Log
Related Tools ^

Filter ▾

Resource/Table Error Type **Person** School Configuration Details

	Name (personID)	Count ↓
<input type="checkbox"/>	[REDACTED]	33
<input type="checkbox"/>	[REDACTED]	24
<input type="checkbox"/>	[REDACTED]	9
<input type="checkbox"/>	[REDACTED]	2
<input type="checkbox"/>	[REDACTED]	1
<input type="checkbox"/>	[REDACTED]	1
<input type="checkbox"/>	[REDACTED]	1
<input type="checkbox"/>	[REDACTED]	1

1 - 8 of 8 items

Archive Selected Entries ▾ Retry Selected Entries ▾ Export to CSV

Error Log - Person View

Review Error Log Entries by School

The School view allows users to review errors by school. This view also lists the number of errors for each school. Details of an error can be viewed by clicking on the Error Log entry.

Error Log ☆ Reporting > Ed-Fi > Error Log
Related Tools ^

Filter ▾

Resource/Table Error Type Person **School** Configuration Details

	School Name	Count ↓
<input type="checkbox"/>	Deming High School	36
<input type="checkbox"/>	Ruben S Torres Elementary	33
<input type="checkbox"/>	Bataan Elementary	1
<input type="checkbox"/>	Misc Preschool Program	1
<input type="checkbox"/>	Red Mountain Middle School	1

Archive Selected Entries ▾ Retry Selected Entries ▾ Export to CSV

Error Log - School View

Review Error Log Entries by Configuration

The Configuration view allows users to review errors by the Ed-Fi configuration in which the error occurred. This number of errors for each configuration is also listed in this view. Details of an error can be viewed by clicking on the Error Log entry.

The screenshot shows the 'Error Log' interface in the 'Configuration' view. It features a breadcrumb trail 'Reporting > Ed-Fi > Error Log' and a 'Related Tools' button. A 'Filter' dropdown is present. Below the breadcrumb, there are tabs for 'Resource/Table', 'Error Type', 'Person', 'School', 'Configuration', and 'Details'. The main table has two columns: 'Configuration' and 'Count'. The data rows are:

Configuration	Count
23-24 School Year	408
23-24 School Year - Deleted	2

At the bottom, there are three buttons: 'Archive Selected Entries', 'Retry Selected Entries', and 'Export to CSV'.

Error Log - Configuration View

Review Details of Error Log Entries

The Details view lists specific details about each error, including: Error ID, Timestamp, Data Source, Name, Resource Name, Error Message, Configuration, Campus Table Name, Old Data, New Data, and Action.

The screenshot shows the 'Error Log' interface in the 'Details' view. It features a breadcrumb trail 'Reporting > Ed-Fi > Error Log' and a 'Related Tools' button. A 'Filter' dropdown is present. Below the breadcrumb, there are tabs for 'Resource/Table', 'Error Type', 'Person', 'School', 'Configuration', and 'Details'. The main table has the following columns: Error ID, Timestamp, Data Source, Name, Resource Name, Error Message, Configuration, Campus Table Name, Old Data, New Data, and Action. The data rows are:

Error ID	Timestamp	Data Source	Name	Resource Name	Error Message	Configuration	Campus Table Name	Old Data	New Data	Action
1886	4/16/24, 1:03 PM			Student Program Associations	Error code returned from Ed-Fi. 404: Failed to delete studentProgramAssociations resource. [message:Resource to delete was not found.]	23-24 School Year	DeleteTool	Show audited data	Show audited data	D
1885	4/16/24, 1:03 PM			Student Program Associations	Error code returned from Ed-Fi. 404: Failed to delete studentProgramAssociations resource. [message:Resource to delete was not found.]	23-24 School Year	DeleteTool	Show audited data	Show audited data	D

At the bottom, there are three buttons: 'Archive Selected Entries', 'Retry Selected Entries', and 'Export to CSV'. A pagination indicator shows '1 - 200 of 410 Items'.

Review Error Details

Field	Description
Error ID	Displays the Error ID for the record.
Error Timestamp	Displays the Date and Time the error occurred.
Data Source	Displays additional data about the record to know the data source of the error.

Field	Description
Name	Displays the name of the record that can be used in the Search tool.
Resource Name	Displays the name of the resource name that triggered the record to send to Ed-Fi.
Error Message	<p>Displays the error message that was generated when the record failed.</p> <ol style="list-style-type: none"> 1. If Ed-Fi rejected the record, it will return an error message that states "Error code return from Ed-Fi.....". It also returns the Json that was rejected. 2. If the error message does not say "Error code return from Ed-Fi.....", this means it is a Campus error and does not display the Json. The Json does not get created until after it passes through Campus.
Configuration/Connection Name	Displays the name of the configuration from which the error was generated.
Campus Table Name	Displays the name of the Campus table that triggered the record to send to Ed-Fi.
Old Data	<p>Displays the data in the Campus table prior to the changes that triggered the record to be sent to Ed-Fi.</p> <ol style="list-style-type: none"> 1. Users can toggle the "Show/Hide audited data". 2. When Show audited data is selected, the old data in the Campus table prior to the change being made that triggered the record is shown. 3. When Hide audited data is selected, the old data in the Campus table prior to the change being made that triggered the record is shown.
New Data	<p>Displays the data in the Campus table that changed to trigger the record to be sent to Ed-Fi.</p> <ol style="list-style-type: none"> 1. The user have a toggle command to "Show/Hide audited data" 2. When Show audited data is selected, the new data in the Campus table that triggered the record is shown. 3. When Hide audited data is selected, the new data in the Campus table that triggered the record is shown.
Action	Displays the action of the record: Insert (I), Update (U), Resync (R), or Delete (D).

Archive Entries

Users can also archive Error Log entries by selecting an Archive option. Once an error is archived, it

will no longer appear in the Error Log, however, it will remain in the database.

The screenshot shows the 'Error Log' interface with a table of error entries. The table has columns for 'Resource Name / Campus Table Name' and 'Count'. A red box highlights the 'Archive Filtered Entries' option in the 'Archive Selected Entries' dropdown menu.

Resource Name / Campus Table Name	Count ↓
Staff Education Organization Contact Associations	656
Course Transcripts	229
Discipline Incidents	197
Student Discipline Incident Associations	93
Student CTE Program Associations	83
Calendar Dates	82
Discipline Actions	66
Sessions	56
Staff Education Organization Assignment Associations	55
Course Offerings	30
Education Organization Associations	26
Education Organization Associations	23

Archive Entries

Archive Option	Description
Archive Selected Entries	Only the selected (checkbox marked) entries are archived.
Archive All Entries	All errors are archived.
Archive Filtered Entries	Only the errors that are displayed using the filter option are archived.

Retry Entries

Users can retry errors by selecting an individual, group or to retry all error messages. When errors are triggers to retry, the Error Log sends the selected messages back to the Event Queue to reprocess. When a record is resent to process, it will be issued a new Error Log id if it errors again.

The screenshot shows the 'Error Log' interface with a table listing various resources and their error counts. A dropdown menu is open for 'Retry Selected Entries', showing options: 'Retry Filtered Entries', 'Retry All Entries', and 'Retry Selected Entries'. The 'Retry Selected Entries' option is highlighted with a red box.

Resource Name / Campus Table Name	Count ↓
<input type="checkbox"/> Calendar Dates	82
<input type="checkbox"/> Discipline Actions	66
<input type="checkbox"/> Sessions	56
<input type="checkbox"/> Staff Education Organization Assignment Associations	55
<input type="checkbox"/> Course Offerings	30
<input type="checkbox"/> Schools	26
<input type="checkbox"/> Student Education Organization Associations	23
<input type="checkbox"/> Student Parent Associations	20
<input type="checkbox"/> Student Section Associations	20
<input type="checkbox"/> Student School Associations	19
<input type="checkbox"/> Calendars	18
<input type="checkbox"/> Sections	14
<input type="checkbox"/> Student Early Learning	11

Retry Errors

Retry Option	Description
Retry Selected Entries	Only the selected (checkbox marked) entries are retried.
Retry All Entries	All errors are retried.
Retry Filtered Entries	Only the errors that are displayed using the filter option are retried.

Export the Error Log

The Error Log Export allows you to generate a report in CSV format listing all errors which occurred in the specific school year, school(s), and Campus tables / Resources. The report exports based on the filter options selected. If an error cannot be associated to a specific school or scope year, it will appear on the report with 'Unknown' listed as the School Name. These records only report when 'All Schools' is selected in the Report Options. The Columns in the report only display for the tables that are selected in the report options and only if there is an associated error with that table. If an error entry can be associated with more than one school, a record will appear for each of the schools selected in the report editor.

Users can only access schools for which they have calendar rights assigned.

[Error Log](#) | [Event Queue](#) | [Resync](#) | [Delete Tool](#)

Filter

[Resource/Table](#) | [Error Type](#) | [Person](#) | [School](#) | [Configuration](#) | [Details](#)

Resource Name / Campus Table Name	Count ↓
▼ Resource Name	
<input type="checkbox"/> Staff Education Organization Contact Associations	653
<input type="checkbox"/> Course Transcripts	226
<input type="checkbox"/> Discipline Incidents	197
<input type="checkbox"/> Student Discipline Incident Associations	93
<input type="checkbox"/> Calendar Dates	79
<input type="checkbox"/> Student CTE Program Associations	68
<input type="checkbox"/> Discipline Actions	66
<input type="checkbox"/> Staff Education Organization Assignment Associations	55
<input type="checkbox"/> Sessions	52
<input type="checkbox"/> Course Offerings	26
<input type="checkbox"/> Student Education Organization Associations	22
<input type="checkbox"/> Student Parent Associations	19

[Archive Selected Entries](#) | [Retry Selected Entries](#) | [Export to CSV](#)

Error ID	Error Timestamp	School Name	Calendar Name	End Year	Schedule S	Ed-Fi ID	State ID	Person ID
10331	4/22/2020 10:18	Cather Elementary	19-20 Cather Elementary	2020	Main	5523821853	8558671627	335914
10330	4/22/2020 10:18	Cather Elementary	19-20 Cather Elementary	2020	Main	5523821853	8558671627	335914
10329	4/22/2020 10:16	Cather Elementary	19-20 Cather Elementary	2020	Main	5523821853	8558671627	335914
10328	4/22/2020 10:08			2020	Main		8558671627	

Example of the Error Report

CSV Report Data

[▶ Click here to expand...](#)

Error Summary

[▶ Click here to expand...](#)