Ed-Fi Data Comparison

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Tool Search: Data Comparison

The Ed-Fi Data Comparison (Reconciliation) tool compares state Ed-Fi data against data existing within the Campus database. Users can identify errors and gaps in data existing at the state and Campus level and correct this data to improve data quality and ensure proper state reporting and funding.



Ed-Fi Data Comparison Tool

See the Ed-Fi Data Comparison Tool Rights article for information on available tool rights.

Prerequisites

- Ed-Fi functionality must be enabled via Enable Ed-Fi System Preference.
- 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.
- Ed-Fi IDs need to be assigned to users via the Demographics tool.

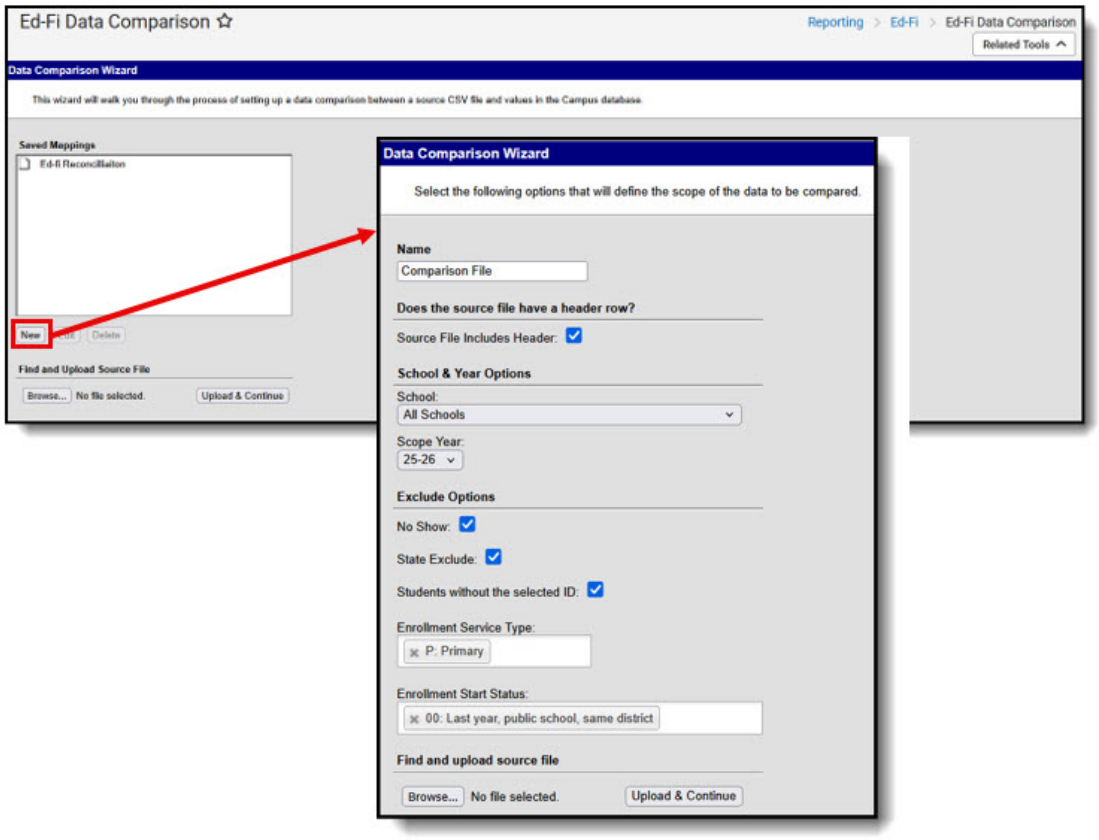
Reconcile Data Between the State and Campus

The first step in reconciling data between data provided by the state and information within Campus is to create a mapping. This mapping indicates how to align each column of data in the state file with its respective Campus field and data. Once mappings are created, users can continue to reuse them as newer state files come in (with the assumption data locations in the state file continue to match the selected mapping), making for quick and easy comparison of data

without the need for tool or data setup.

Create a New Mapping

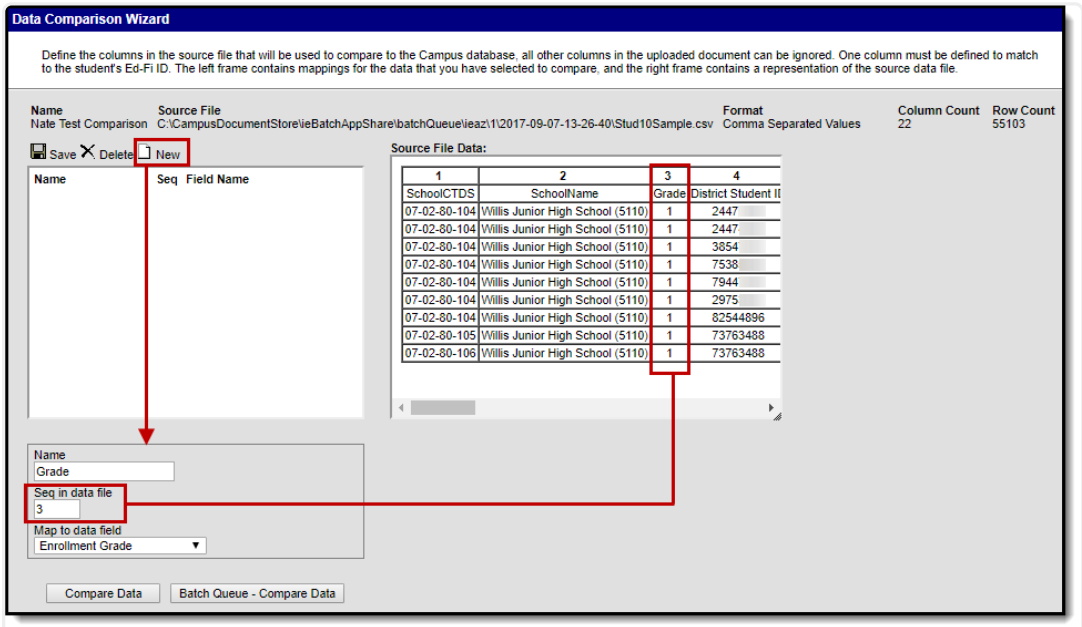
1. Click the **New** icon.
2. Give the mapping a **Name**.
3. When the source file from the state contains a header row, mark the **Source File Includes Header** checkbox.
4. Select the **School** to compare the data to against the source file. All Schools in the districts can also be done at one time.
5. Select the **Scope Year** of the data being compared.
6. Review the following Exclude Options to determine which items are NOT included in the comparison:
    - **No Show** excludes enrollment records that are marked as No Show.
    - **State Exclude** excludes enrollment records that are marked as State Exclude.
    - **Students without the Selected ID** excludes students who do not have the appropriate ID assigned.
    - **Enrollment Service Types** excludes the selected service type from data comparison.
    - **Enrollment Start Status** excludes enrollment records with that selected value from data comparison.
7. Click **Browse**. Follow the instructions on your computer screen to locate the correct file.
8. Click the **Upload & Continue** button.



Data Comparison Data Entry and Upload

Once the file has been uploaded, each column in the source file needs to be mapped to the corresponding fields in Campus for accurate comparisons.

1. Click the **New** icon. The **Name**, **Sequence in data file**, and **Map to data field** fields are displayed below.
2. Enter the **Name** of the data being compared. This value can be any name to assist in the identification of the compared data. It is not tied to any other record. In the image below, the Grade column (3) is being mapped to the Enrollment Grade Field, so the entered name is Grade.
3. Enter the **Sequence in data file** number. This is the column number listed above the column in the Source File Data area, which corresponds to the data that is mapped to a Campus field. In the image below, a Sequence of 3 is entered to compare the Grade column data with the Enrollment Grade field selected. This step ensures the right data is compared between the state data file and Campus. Failure to enter proper sequence numbers results in data comparison errors.
4. Select what Campus field to map to the data file column by selecting a value in the **Map to data field**. When mapping to a date field, a date format must be selected to ensure accurate report results.
5. Click the **Save** icon. The mapping displays in the window below.
6. Repeat steps 1-4 until all desired data has been mapped.



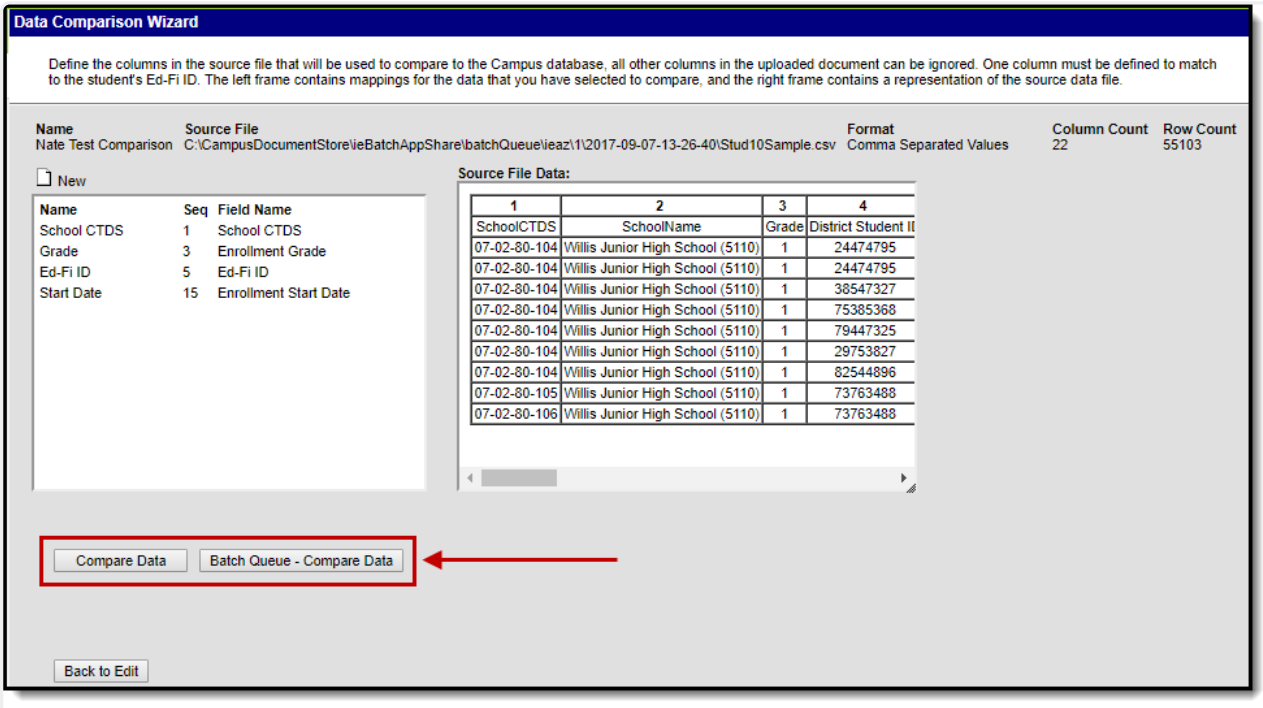
Mapping Source File Data to Campus Fields

A mapping of at least one, and only one ID field must be included in order to generate the Data Comparison report.

Arizona Users: There are five additional fields added to the bottom of this list. Separate mappings must be done for each of these fields, and they cannot be combined with any other fields except student identifiers. Adding additional mappings that are not student identifiers results in false results. When doing an enrollment FTE comparison for students with split enrollments, use these additional fields to parse out or differentiate split enrollments.

When all mappings created and saved, click the **Compare Data** button to initiate generation of the comparison file or click the **Batch Queue - Compare Data** button to send the file to the batch queue where it processes in the background.

When an error occurs in the mappings or additional or modified mappings are made, click the **Back to Edit** button at the bottom of the screen.



Initiate Data Comparison

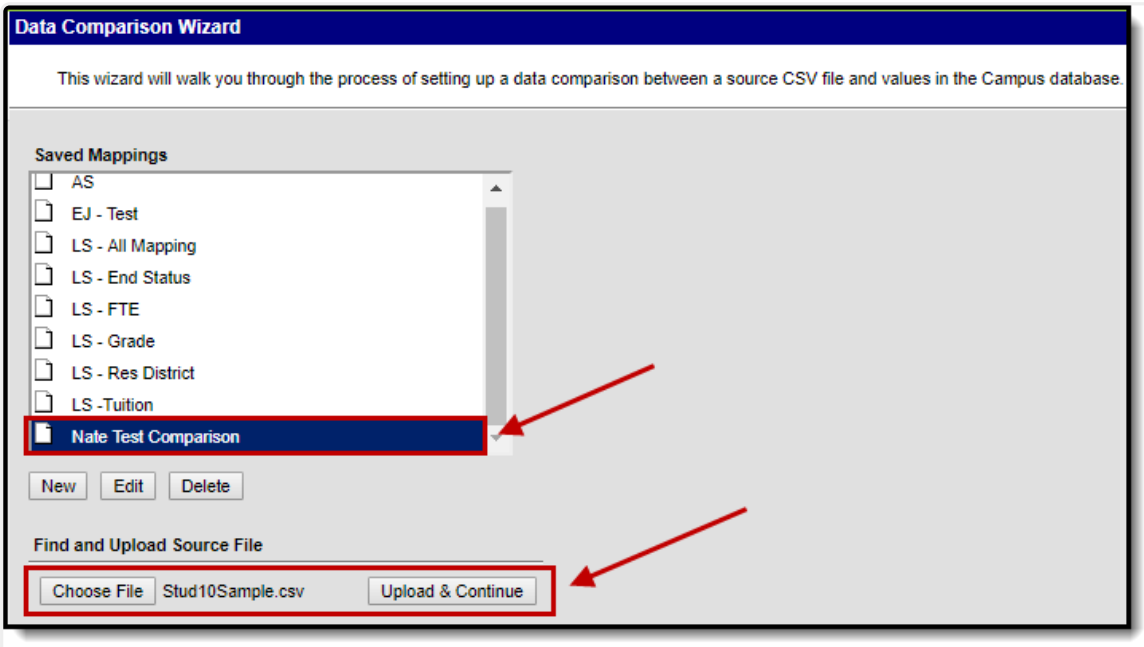
Once the file finishes processing, it downloads to the local hard drive or network as a CSV file. Review the document to understand the differences in data between what is entered in Campus and what exists at the State.

24369015	278576	James	Tester	Ed-Fi ID	24369015		This Student was not found in Ed-Fi
24512930	13122	Kristalin	Tester	Ed-Fi ID	24512930		This Student was not found in Ed-Fi
24512992	258460	Isaac	Tester	Ed-Fi ID	24512992		This Student was not found in Ed-Fi
24521956	18113	Arshia	Tester	Ed-Fi ID	24521956		This Student was not found in Ed-Fi
24523318	39954	Tyler	Tester	Ed-Fi ID	24523318		This Student was not found in Ed-Fi
24527231	281161	Brooklyn	Tester	Ed-Fi ID	24527231		This Student was not found in Ed-Fi
24528481	318334	Bryson	Tester	Ed-Fi ID	24528481		This Student was not found in Ed-Fi
24529105	52226	Azyah	Tester	Ed-Fi ID	24529105		This Student was not found in Ed-Fi
24531894	46161	Skylar	Tester	Ed-Fi ID	24531894		This Student was not found in Ed-Fi
24532051	323072	Lami	Tester	Ed-Fi ID	24532051		This Student was not found in Ed-Fi
24536158	235016	Amanda	Tester	Ed-Fi ID	24536158		This Student was not found in Ed-Fi

Example of a Comparison Report

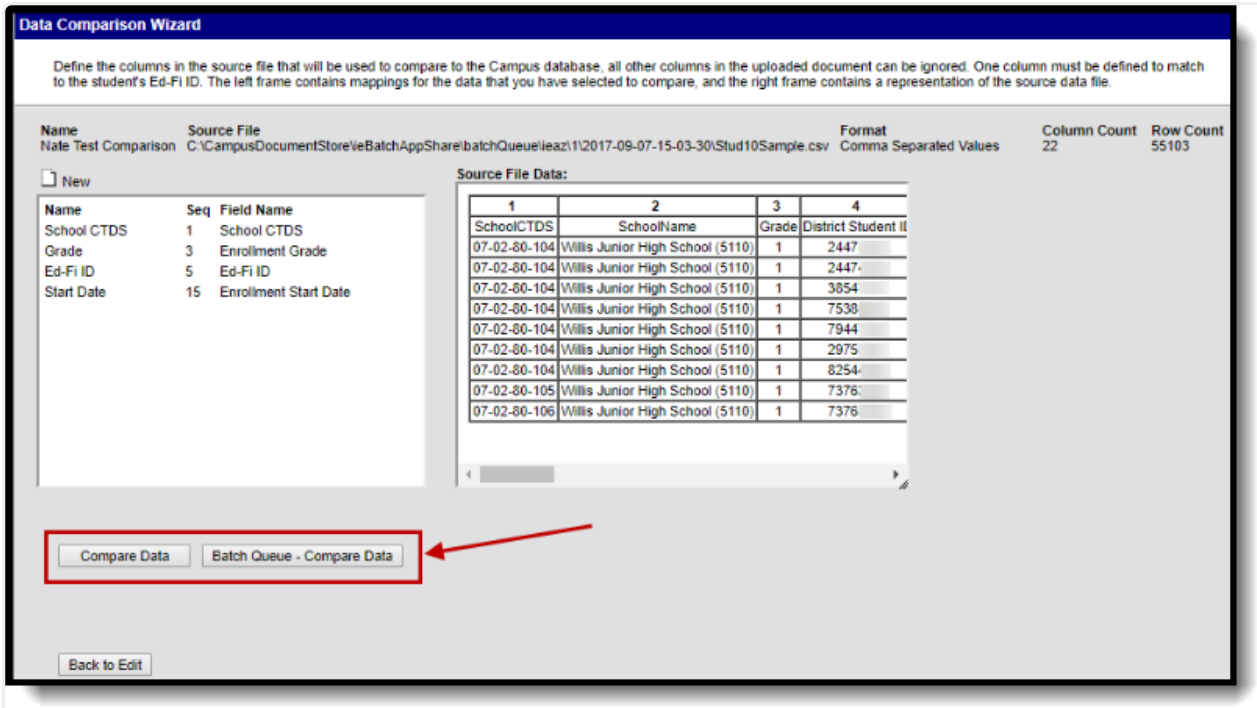
Review Data Using an Existing Mapping

1. Select the mapping from the **Saved Mappings** window.
2. Upload the new state file by clicking the **Choose File** button. Follow the instructions for locating the file, then choose Open.
3. Click the **Upload & Complete** button. The Mapping screen displays.



Compare Data Using an Existing Mapping

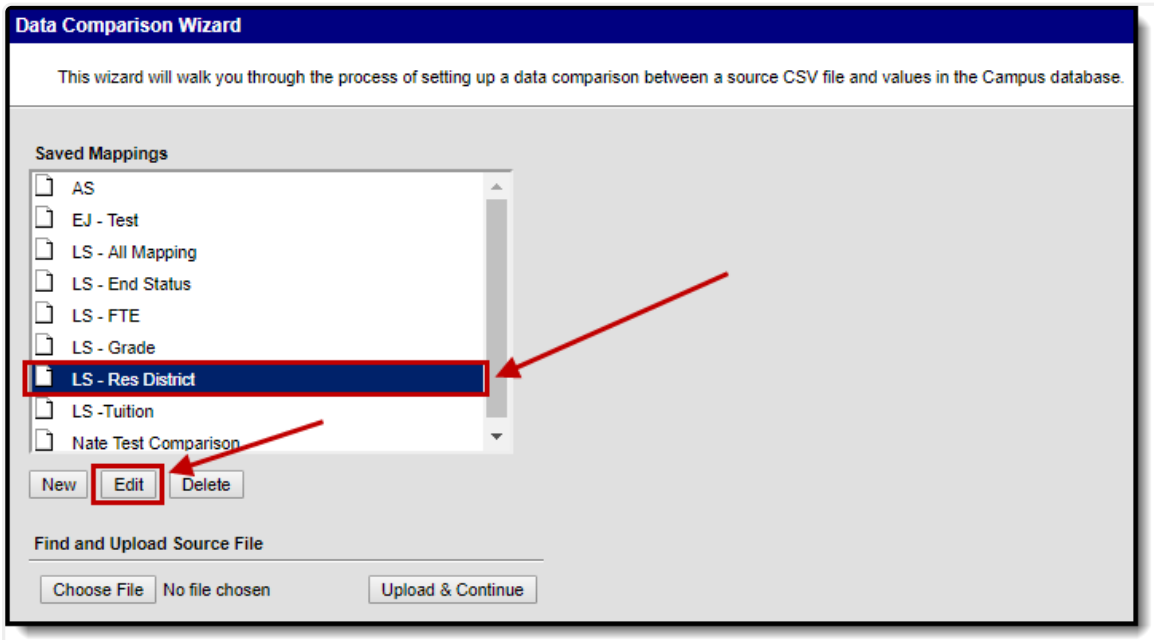
Review the existing mappings and, when data properly matches between the sequence and field name, click the **Compare Data** or **Batch Queue - Compare Data** fields.



Compare Data

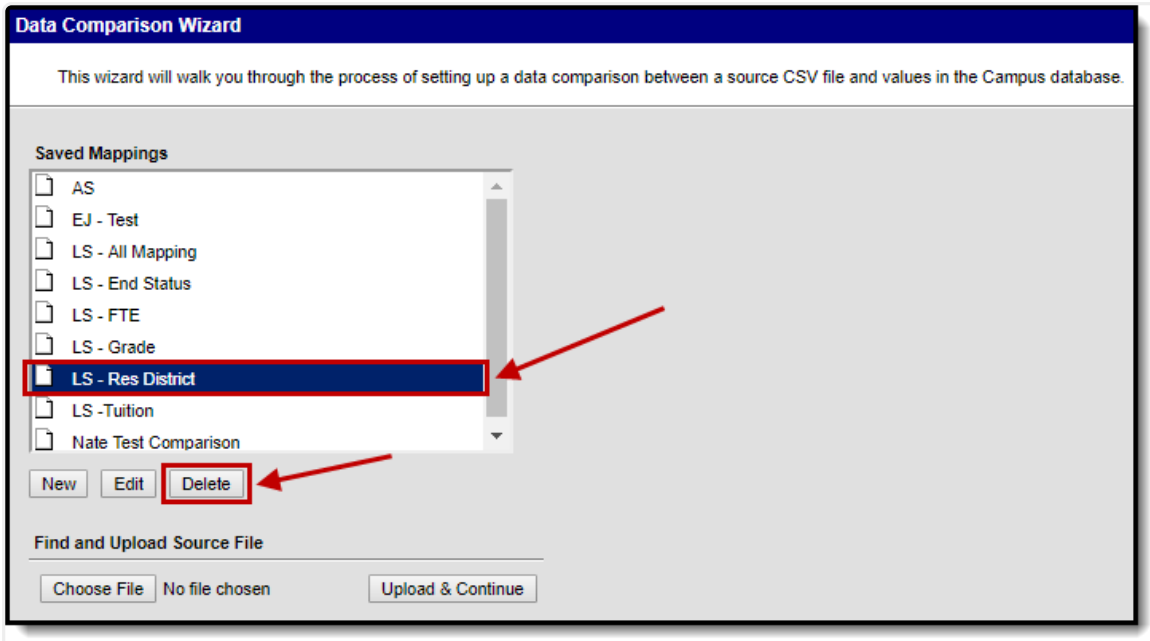
Edit and Delete Mappings

To edit an existing mapping, select the mapping in the **Saved Mappings** window and click the **Edit** button.



Edit a Mapping

To delete an existing mapping, select the mapping in the **Saved Mappings** window and click the **Delete** button.



Deleting a Mapping

For Arizona Districts: Comparing Data Against AzEDS Reports

Click here to expand...

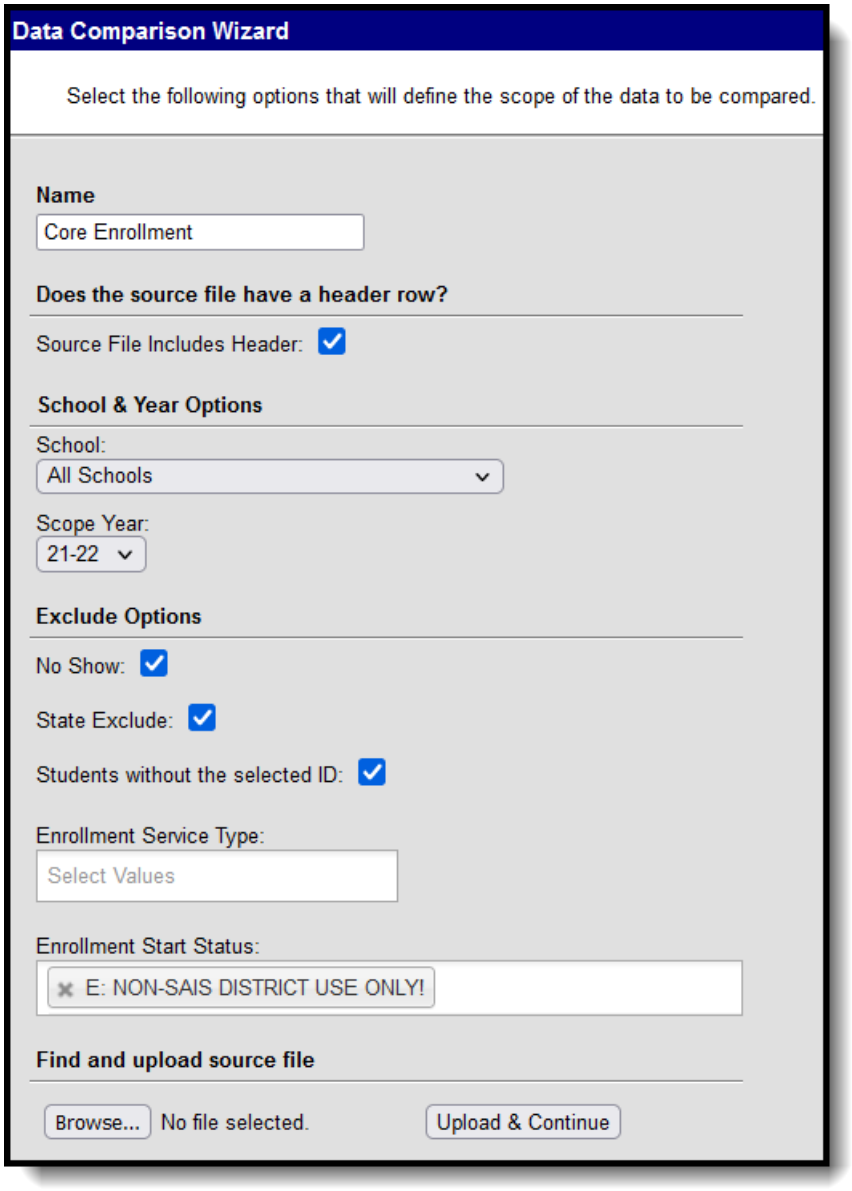
Users can use the Ed-Fi Reconciliation tool to compare Ed-Fi data against AzEDS reports. The following are some examples of comparing this data:

- Core Enrollment Data
- District of Residence Data
- Enrollment FTE Data
- Enrollment Tuition Payer Data

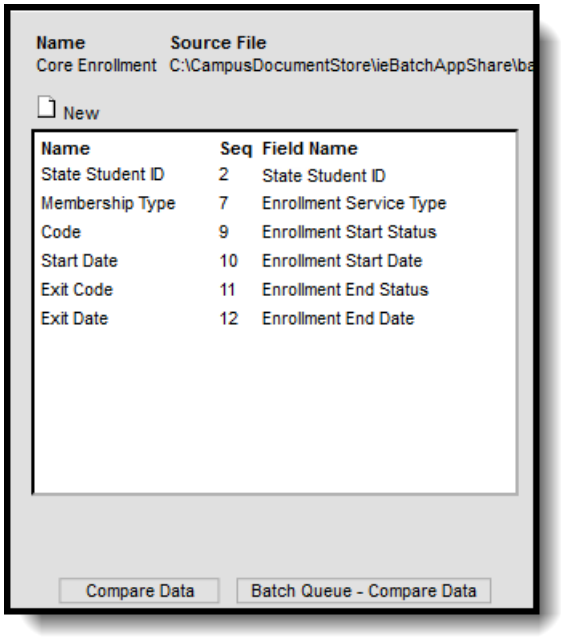
Core Enrollment Data

A Core Enrollment Field Mapping can be used in conjunction with the **AzEDS Stud 10 Student Waiver Report: School Enrollment QR**G to do a comparison on student Ed-Fi ID, Enrollment Start Date, Enrollment End Date, Enrollment Service Type, Enrollment Start Status, and Enrollment End Status data.

1. Enter the following data into Data Comparison Wizard fields.
2. Upload the **AzEDS Stud 10 Student Verification Report: School Enrollment QRG file** (click here for more information on how to generate this file).



3. Map fields as shown in the image below.

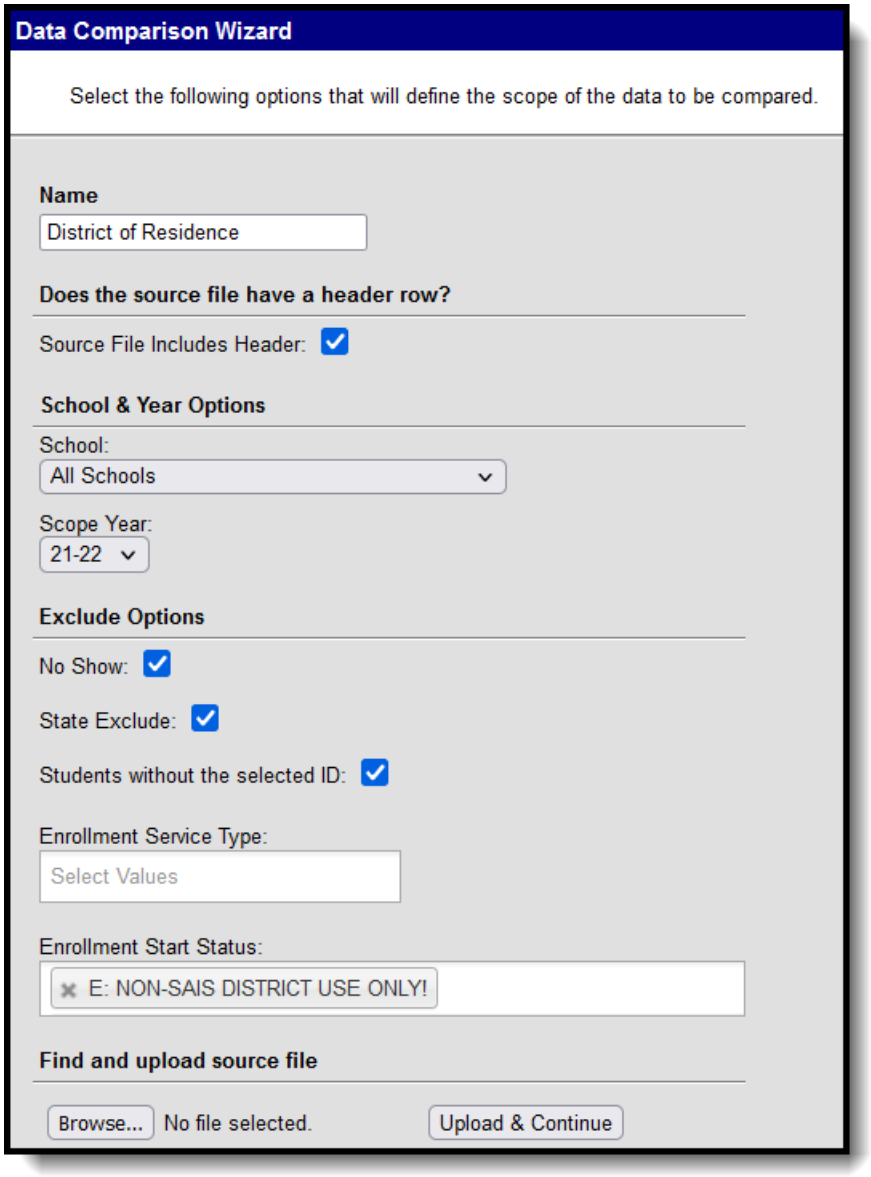


4. Select the **Compare Data** button to generate the report and review core enrollment data.

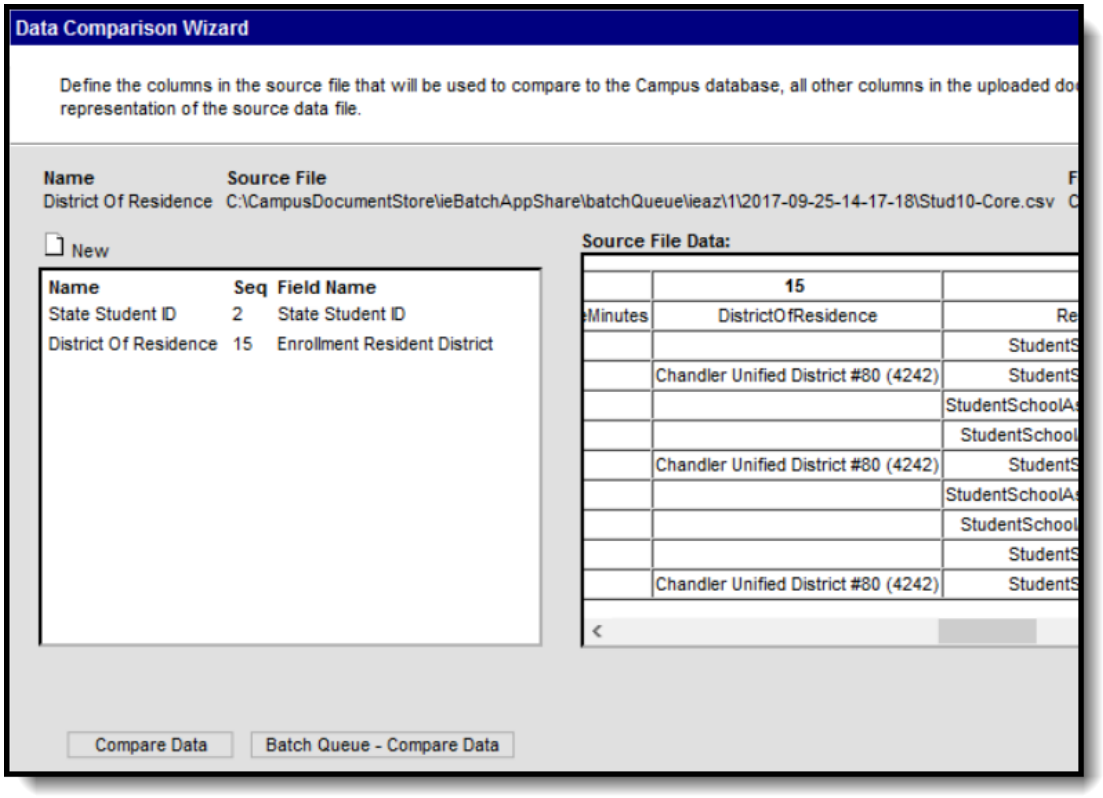
District of Residence Data

A District of Residence Mapping can be used in conjunction with the **AzEDS Stud 10 Student Verification Report: School Enrollment QRG** to do a comparison on student State Student ID and District of Residence data.

1. Enter the following data into Data Comparison Wizard fields.
2. Upload the **AzEDS Stud 10 Student Verification Report: School Enrollment QRG** file (click here for more information on how to generate this file).



3. Map fields as shown in the image below.

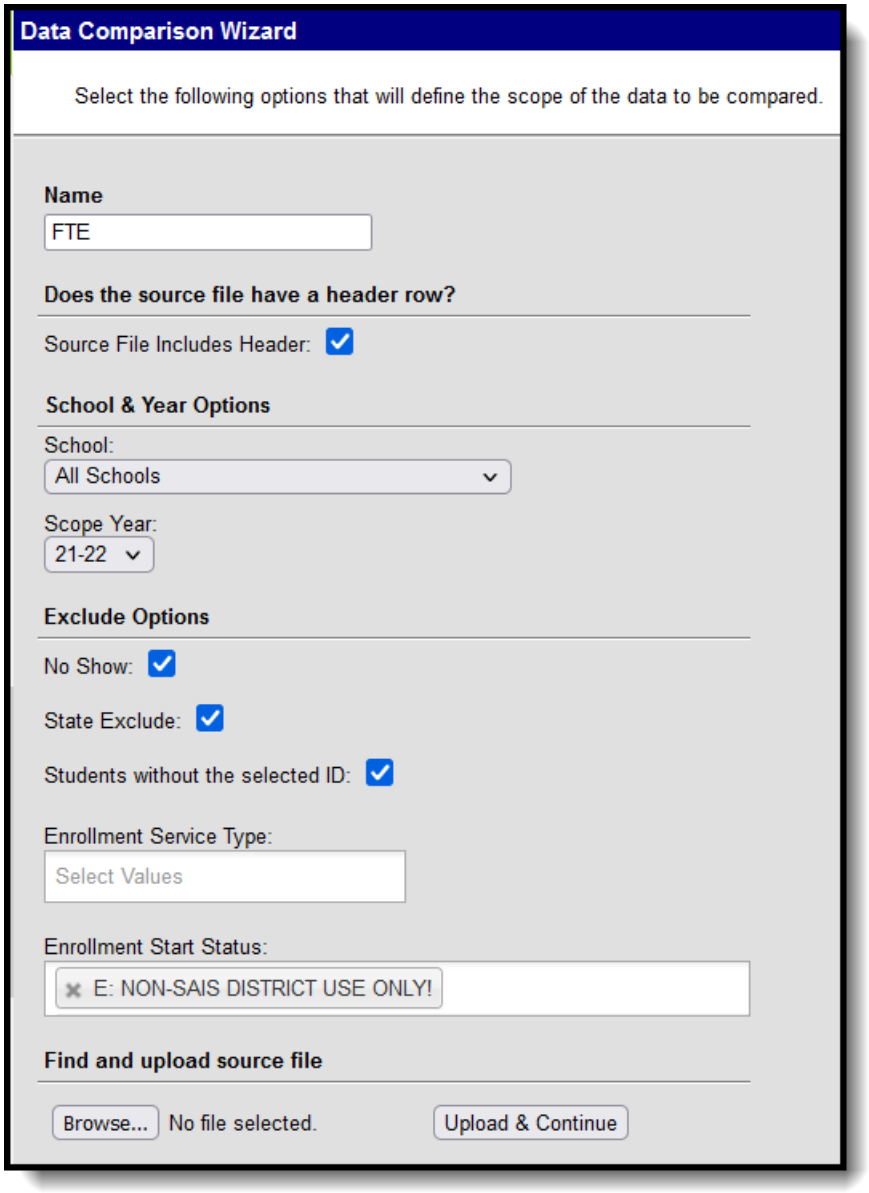


4. Select the **Compare Data** button to generate the report and review core enrollment data.

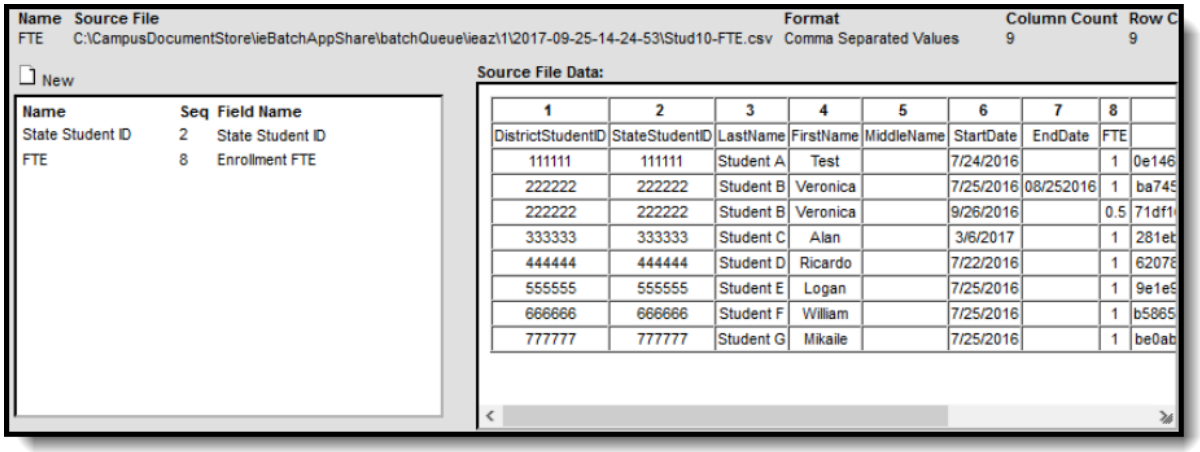
Enrollment FTE Data

An Enrollment FTE Mapping can be used in conjunction with the AzEDS Stud 10 – FTE Data Verification Report to do a comparison on student State Student ID and FTE data.

1. Enter the following data into Data Comparison Wizard fields.
2. Upload the **AzEDS Stud 10 – FTE Data Verification Report** file (click here for more information on how to generate this file).



3. Map fields as shown in the image below.

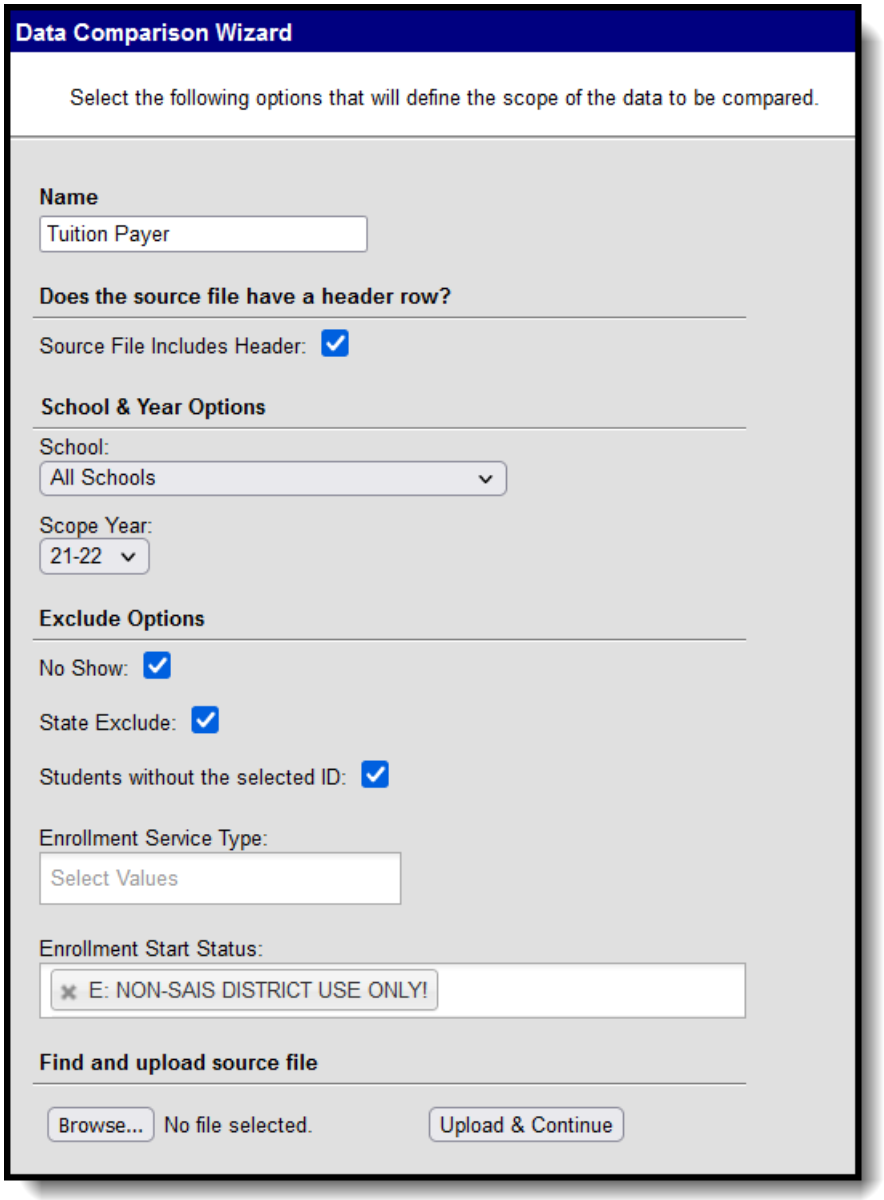


4. Select the **Compare Data** button to generate the report and review core enrollment data.

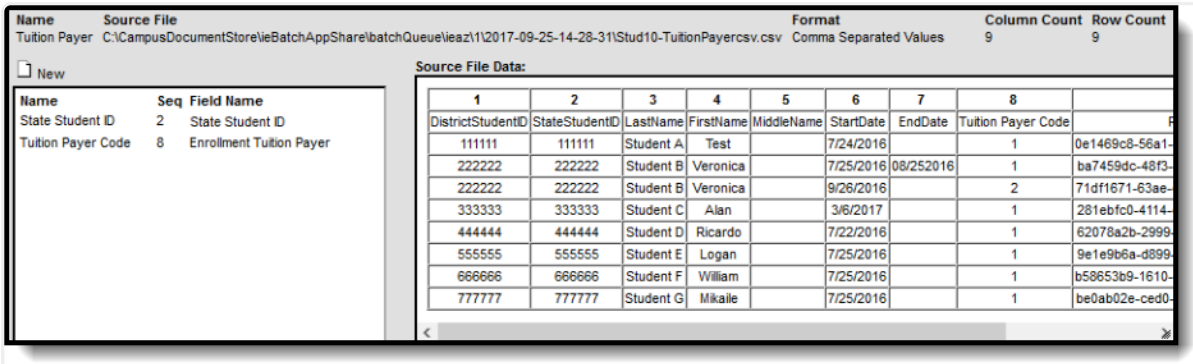
Enrollment Tuition Payer Data

An Enrollment Tuition Payer Mapping can be used in conjunction with the AzEDS Stud 10 –Tuition Payer Data Verification Report to do a comparison on student State Student ID and Tuition Payer Code data.

1. Enter the following data into Data Comparison Wizard fields.
2. Upload the **AzEDS Stud 10 –Tuition Payer Data Verification Report** file (click here for more information on how to generate this file).



3. Map fields as shown in the image below.



Name	Source File	Format	Column Count	Row Count
Tuition Payer	C:\CampusDocumentStore\ieBatchAppShare\batchQueue\ieaz\1\2017-09-25-14-28-31\Stud10-TuitionPayercsv.csv	Comma Separated Values	9	9

New

Name	Seq	Field Name
State Student ID	2	State Student ID
Tuition Payer Code	8	Enrollment Tuition Payer

Source File Data:

1	2	3	4	5	6	7	8	
DistrictStudentID	StateStudentID	LastName	FirstName	MiddleName	StartDate	EndDate	Tuition Payer Code	P
111111	111111	Student A	Test		7/24/2016		1	0e1469c8-56a1-
222222	222222	Student B	Veronica		7/25/2016	08/252016	1	ba7459dc-48f3-
222222	222222	Student B	Veronica		9/26/2016		2	71df1671-63ae-
333333	333333	Student C	Alan		3/6/2017		1	281ebfc0-4114-
444444	444444	Student D	Ricardo		7/22/2016		1	62078a2b-2999-
555555	555555	Student E	Logan		7/25/2016		1	9e1e9b6a-d899-
666666	666666	Student F	William		7/25/2016		1	b58653b9-1610-
777777	777777	Student G	Mikaile		7/25/2016		1	be0ab02e-ced0-

Enrollment Tuition Payer Mapping

4. Select the **Compare Data** button to generate the report and review core enrollment data.