

Resync State Data (State)

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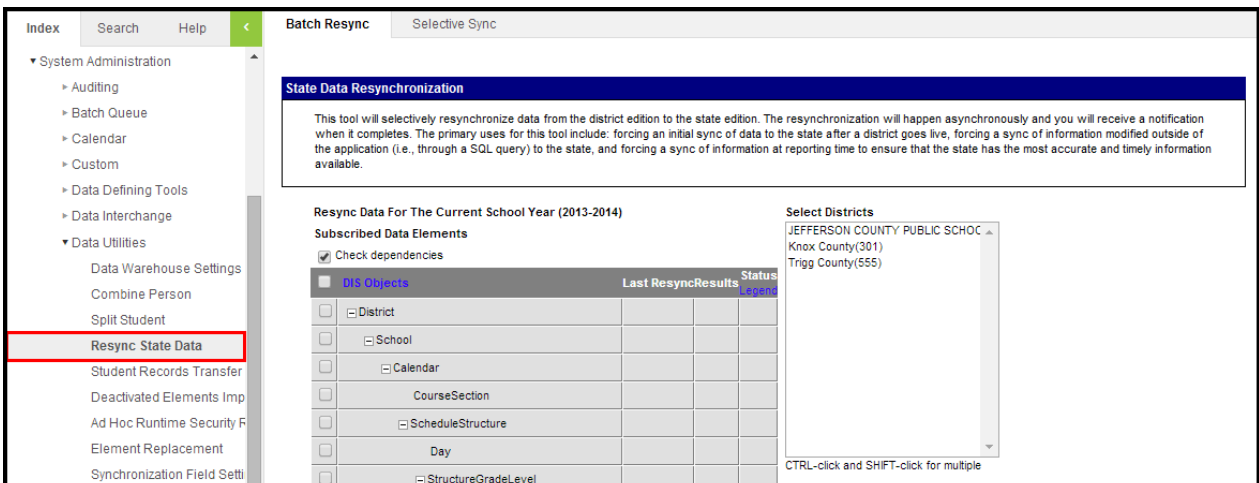
[Manually Resync Data](#) | [Use the Resync State Data Tool](#) | [Resync Data from the Previous or Next School Year](#) | [Analyze Resync Attempts and Results](#) | [Understand Campus Object Dependencies and Hierarchy](#) | [Technical Information](#)

Tool Search: Resync State Data

The Resync State Data tool may be used by district and/or state administrators to manually (re)synchronize batches of district-level data to the state.

District-level users, please see the [Resync State Data \(District\)](#) article. This tool is only applicable in a district/state operating as part of an Infinite Campus State or Regional Edition.

To view State and District ownership over fields within each product area, see the [Synchronization Field Settings](#) tool. This tool indicates which fields are locked at the district level and trigger a sync event when modified at the state level.



Manually Resync Data

To ensure a state/regional database has the most current and accurate information available, it may be necessary for districts to resync - or push - batches of data to the state/regional level. The state can require a resync of district data, as needed.

Performing a manual resync may slow system performance.

Resync Scenarios

A district can resync its data to the state, as needed. However, the following resync scenarios are **mandatory**:

- **End of a school year** - A resync must be performed at the end of a school year, after districts have finished entering all data for that year. This resync must be completed before the scoped year of the district/state zones is switched to the new school year. This should be a full resync.
- **Start of a school year** - A resync must be performed at the beginning of a school year, after all enrollments have been rolled forward and the scoped year of the district/state **Zones** has been updated to match the new school year. This should be a full resync.
- **Database modifications** - A resync must be performed if data is modified directly within the database, instead of within the Campus interface. Modifying data within the database is not recommended. This may be a partial or full resync.
- **State resync request** - The state may request a resync for the purpose of state reporting, gathering attendance snapshots, pulling end-of-year attendance summaries, etc. Districts cannot deny or prevent a resync initiated by the state. This may be a partial or full resync.

Infinite Campus strongly recommends using the state **Verification Summary** tool to generate district/state verification reports before resynching a scenario not listed above. Comparing verification report results will indicate whether or not a resync is necessary.

District-Specific View (Shows History Columns)

The resync history/results columns will only appear when a district is selected from the **District** field of the Campus toolbar:

The screenshot shows the 'Batch Resync' tool interface. At the top, the 'District' dropdown is set to 'JEFFERSON COUNTY PUBLIC SCHOOLS (275)'. Below this, a table titled 'Resync history of JEFFERSON COUNTY PUBLIC SCHOOLS' displays the following data:

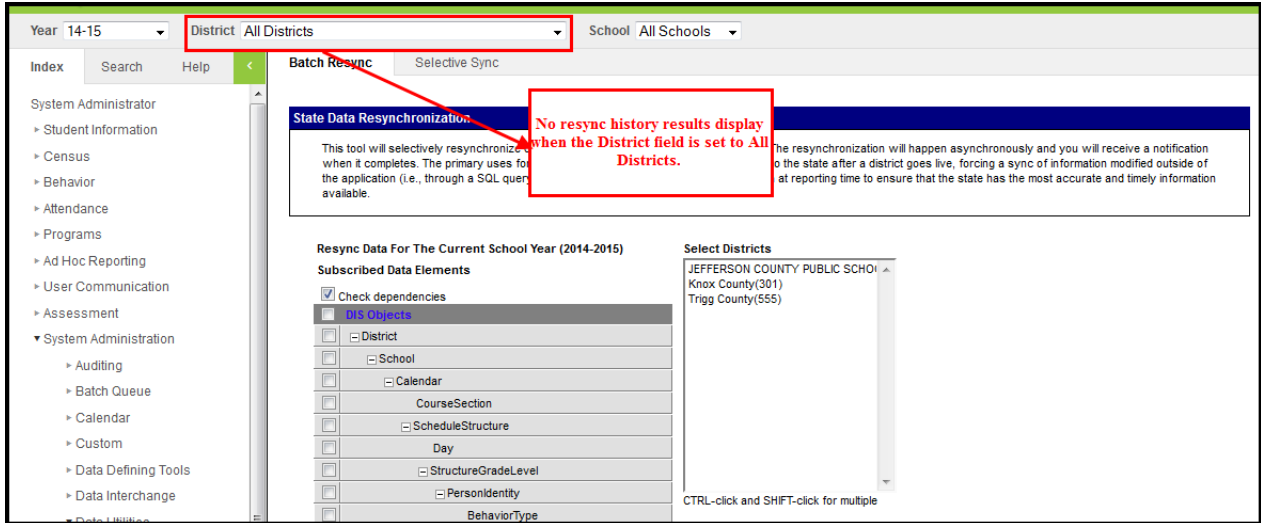
DIS Objects	Last Resync	Results	Status Legend
[-] District	05/08/2015 10:59:28	Processed: 1 Errors: 0	Green circle
[-] School	05/08/2015 10:59:28	Processed: 181 Errors: 11	Red circle
[-] Calendar	05/08/2015 10:59:28	Processed: 241 Errors: 11	Red circle
[-] CourseSection	05/08/2015 10:59:28	Processed: 14237 Errors: 1	Yellow circle
[-] ScheduleStructure	05/08/2015 10:59:28	Processed: 413 Errors: 13	Red circle
[-] Day			
[-] StructureGradeLevel	05/08/2015 10:59:28	Processed: 413 Errors: 13	Red circle
[-] PersonIdentity	05/08/2015 10:59:28	Processed: 127305 Errors: 93	Yellow circle
[-] BehaviorType			
[-] BehaviorResolutionType			
[-] BehaviorResponseType			
[-] Behavior			
[-] CensusContactSummary			
[-] ContactLog			
[-] Employment			
[-] EmploymentAssignment			

A red box highlights the 'District' dropdown in the toolbar and the 'Resync history of JEFFERSON COUNTY PUBLIC SCHOOLS' table. A text box points to the dropdown with the text: 'Resync history results display when a specific district is selected in the District field in the Campus toolbar.'

If no resync has been performed, the resync history/results columns will be blank.

"All District" View (No History Shown)

No history/results columns will appear if "All Districts" is selected in the **District** field of the Campus toolbar:



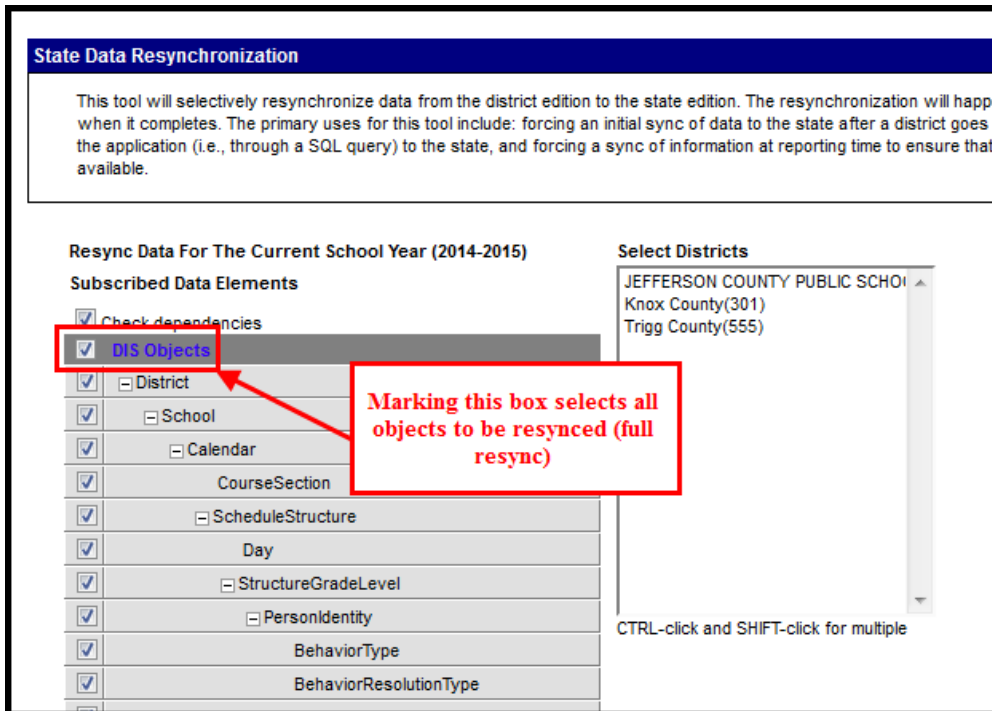
Use the Resync State Data Tool

The Resync State Data tool is accessible at both the district and state levels. The state can require its districts to resync some or all data. When a resync is initiated by the state, the data is automatically pulled and no action is required of the district.

Resyncs should only be performed by system administrators and/or Campus Support personnel who are familiar with the [Understanding Campus Object Dependencies and Hierarchy](#) section of this page.

Full Resync

A full resync indicates all data objects that report to the state will be resynced. This process will automatically follow the chain of object dependencies that support the Campus hierarchy.



1. Select a district(s) to resync from the **Select Districts** box. If a district is set in the the District field of the Campus toolbar, it will already be selected in this box.
2. Select the **DIS Objects** checkbox in the top left column of the table. All data objects listed on the tool will be selected.
3. Click the **Request Resync** button, located below the table.
4. Click the **OK** button on the verification pop-up window. All data objects will be resynced from the district-level database to the state-level database.

Partial Resync

When a full resync is unnecessary, a partial resync may be performed. A partial resync involves specific data objects selected for resync by a user (instead of resyncing all objects).

The **Check Dependencies** box should be marked when performing a partial resync. This ensures syncing of all necessary parent objects (on which the desired resync object is dependent). Please refer to the [Understanding Campus Object Dependencies and Hierarchy](#) section of this page for more information related to syncing and dependent relationships between parent/child objects.

State Data Resynchronization

This tool will selectively resynchronize data from the district-level database to the state-level database when it completes. The primary uses for this tool include: (1) resynchronizing data from the district-level application (i.e., through a SQL query) to the state-level database, and (2) resynchronizing data from the state-level database to the district-level database. The tool will happen automatically when the system goes into maintenance mode. Please ensure that the system is in maintenance mode before using this tool.

Resync Data For The Current School Year (2014-2015)

Subscribed Data Element

Check dependencies

DIS Objects

- District
- School
- Calendar
- CourseSection
- ScheduleStructure
- Day
- StructureGradeLevel
- PersonIdentity
- BehaviorType
- BehaviorResolutionType
- BehaviorResponseType
- Behavior
- CensusContactSummary
- ContactLog
- Employment
- EmploymentAssignment
- EmploymentBackground
- EmploymentCredential
- Enrollment
- Graduation
- Roster

JEFFERSON COUNTY PUBLIC SCHOOLS
Knox County(301)
Trigg County(555)

CTRL-click and SHIFT-click for multiple

1. Select a district(s) to resync from the **Select Districts** box.
2. Mark the **Check Dependencies** checkbox.
3. Mark the checkboxes of the data objects to be resynced.
4. Click the **Request Resync** button, located below the table.
5. Click the **OK** button on the verification pop-up window. All data objects will be resynced from the district-level database to the state-level database.

State-Initiated Resync Requests

When the state requests a resync of a district, a notification appears in the Process Alerts (formerly Process Inbox) of district and state-level users with the proper tool rights. The message will be categorized as a Vertical Interoperability message and named as "State Resync Requested."

Process Alerts

Date Range to Display Find Messages

Delete Selected Messages

<input type="checkbox"/>	Process	Name	Posted Date	Due Date
<input type="checkbox"/>	Records Transfer	Transfer Error: Black, Anthony 109537517	05/04/2015	
<input type="checkbox"/>	Records Transfer	Transfer Error: Black, Anthony 109537517	05/04/2015	
<input type="checkbox"/>	Records Transfer	Transfer Error: Black, Anthony 109537517	05/04/2015	
<input type="checkbox"/>	Vertical Interoperability	State Resync Requested	03/09/2015	
<input type="checkbox"/>	Combine Person Merge	Merge successfully combined in SE: Kaitlyn Marie Ward into Mollie Ward	03/09/2015	
<input type="checkbox"/>	Combine Person Merge	Merge successfully combined in SE: Brooke M Ward into Brooke A Ward	03/09/2015	
<input type="checkbox"/>	Vertical Interoperability	State Resync Requested	02/19/2015	
<input type="checkbox"/>	Vertical Interoperability	State Resync Requested	02/19/2015	
<input type="checkbox"/>	Data Certification	The State of ME published a Data Certification Event: testNewEvent	02/03/2015	
<input type="checkbox"/>	Data Certification	The State of ME published a Data Certification Event: testNewEvent	02/03/2015	
<input type="checkbox"/>	Data Certification	Review Event: testGregDataCertEventDetail	02/03/2015	
<input type="checkbox"/>	Vertical Interoperability	State Resync Requested	02/03/2015	

A district user cannot stop or prevent a resync that has been initiated by the state, nor can he/she view the objects requested for resync.

Resync Data from the Previous or Next School Year

This option is only available to districts that have been configured to sync data for the previous and/or next school year (in addition to the current year).

If the district has been configured to sync data for the previous and/or next school year (in addition to the current year), the data objects available for resync will be limited. To resync data from the previous or next school year, the **Year** field of the Campus toolbar must be set to the desired year. A limited set of objects will be displayed.

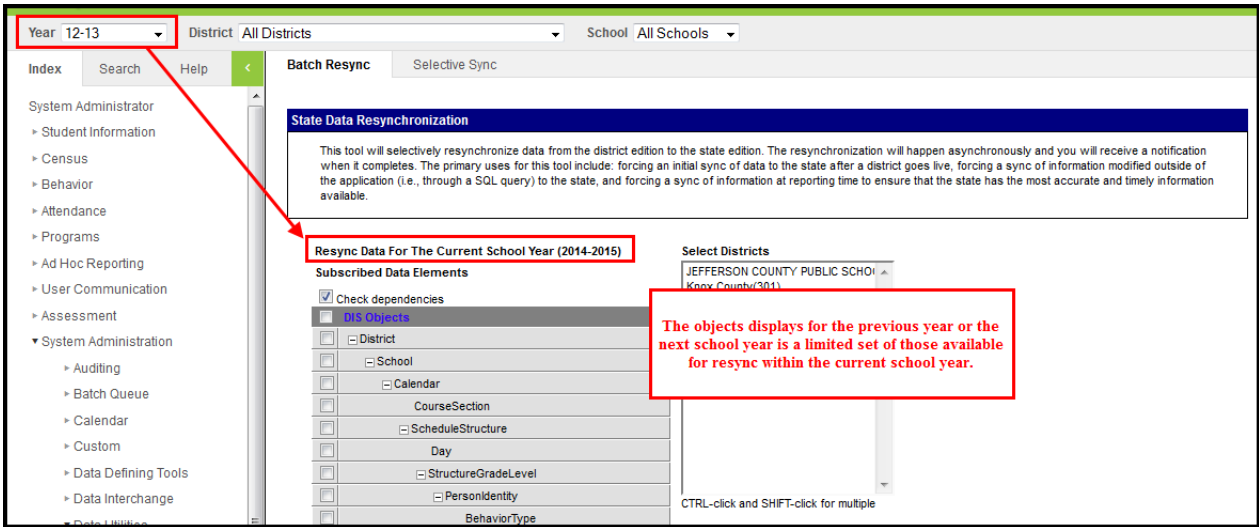
Objects that appear on the Resync State Data tool when the previous/next school year is selected will meet both of the following criteria:

- Objects are related specifically to the school year displayed in the **Year** field of the Campus toolbar.
- Objects have been configured to sync for the school year displayed in the **Year** field of the Campus toolbar.

Objects that do NOT appear on the Resync State Data tool when the previous/next school year is selected will meet one or both of the following criteria:

- Objects that are not tied to a school year will not display when the previous/next year is selected in the **Year** field of the Campus toolbar. To resync these objects, the current school year must be selected in the **Year** field of the Campus toolbar.

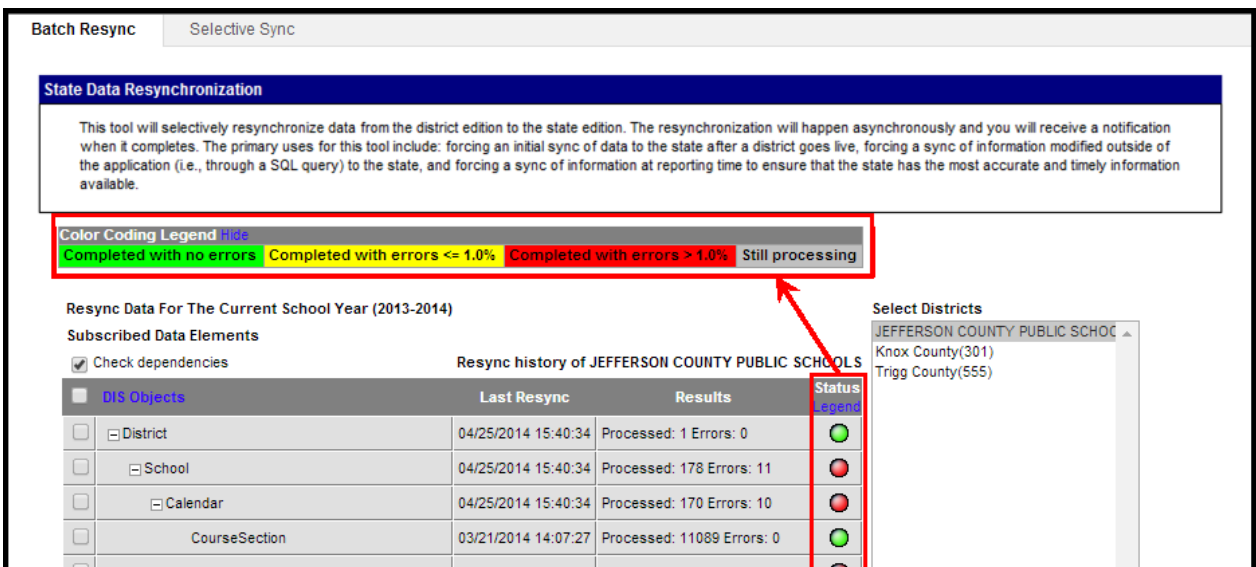
- Objects that are not configured to sync for the previous/next school year will not appear.



A resync of the previous/next school year may be performed in the same manner(s) as the current year, as listed in the [Using the Resync State Data Tool \(State Level\)](#) section.

Analyze Resync Attempts and Results

The manual resync process may warrant user analysis of resync attempts and results. The Resync State Data tool displays basic details related to state resync requests:



- **Last Resync column** - Displays the date and time the last resync was started for the object.
- **Results column** - Hovering over a result will indicate the total number of records sent for resync. This column displays two types of results for the object:
 - *Processed* - The total number of attempts to resync records.
 - *Errors* - The total number of records that did not resync to the state.

The *Errors* number includes sync failures as well as attempts to sync records that are not allowed to sync to the state (*i.e.*, state-excluded enrollments, state-excluded grade levels, state-excluded calendars, etc.). Checking the district agent's log on the [Agents](#) tool will allow system administrators to review errors.

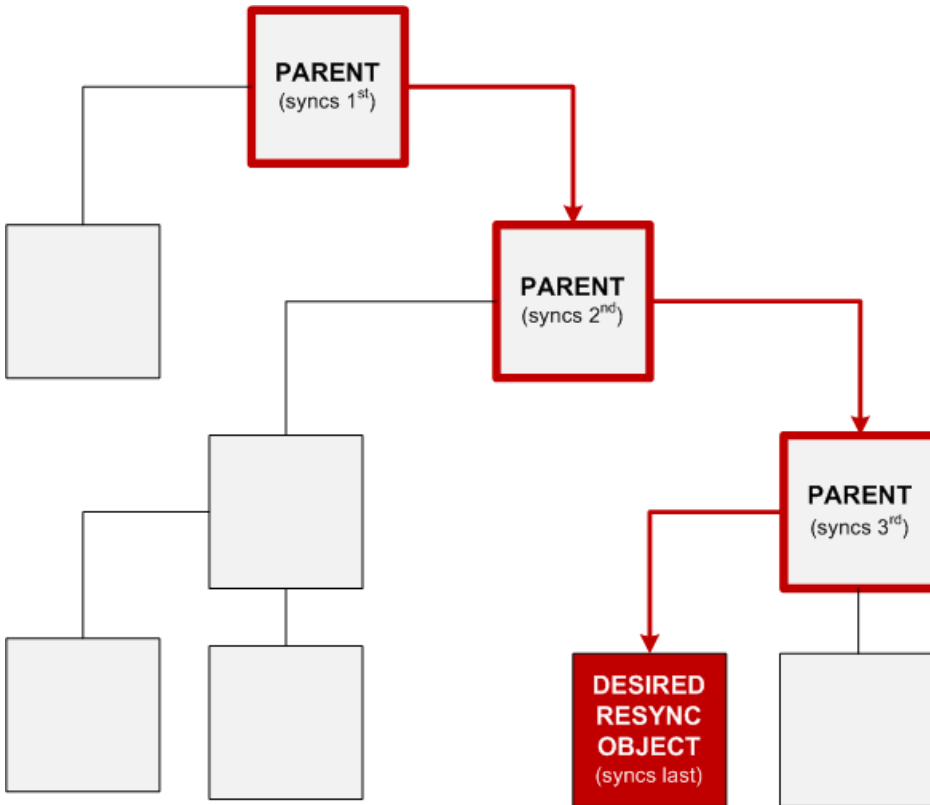
- **Status column** - Displays a colored dot indicating the level of sync success. Clicking on the **Legend** link in the header of this column will show a key that explains the logic used for the colored dots in this column.
 - *Green* - Indicates that the sync finished without any errors.
 - *Yellow* - Indicates that the sync finished with less than or equal to 1% of sync attempts resulting in error.
 - *Red* - Indicates that the sync finished with more than 1% of sync attempts resulting in error.
 - *Gray* - Indicates that the sync is currently in-progress.

The following tools may also be used for additional analysis of resync attempts:

- [Agents Tool - Agent Queue](#)
- [Agents Tool - Agent Log](#)
- [Error Log Tool](#)

Understand Campus Object Dependencies and Hierarchy

Campus data objects exist in a hierarchical structure enforced by database dependencies. Database tables use foreign keys to link related tables/data objects. This creates a dependency chain of parent/child relationships between objects which require the “parent” to be synchronized before the “child.” When all available data objects are resynchronized, the process follows the natural order of object dependencies.



However, when only select data objects should be resynced, the system must follow a specific order to sync all appropriate “parent” object(s) before the desired “child” object(s). Resyncing certain data objects (instead of all objects) will result in error if the necessary parent object(s) have not been properly resynced first. The Resync State Data tool allows the system to properly sync objects in the intended parent/child order.

Campus Object Hierarchies

Campus resync object hierarchies are explained in the following key and table.

- **Resync Object column** -- Lists the data objects available for manual resyncing on the Resync State Data tool. This is the object selected for resyncing by user.
- **Parent Objects column** -- Lists the "parent" objects on which the Resync Object is dependent. Parent objects are listed in dependency order (top-level parent listed first, immediate parent listed last). The immediate "parent" of the Resync Object is bolded and indicated by an asterisk [*].
- **Child Objects column** -- Lists the "child" objects that are dependent on the Resync Object. Child objects are listed in alphabetical order. The immediate "child" object(s) of the Resync Object are bolded and indicated by an asterisk [*].

All sync objects are listed in the table below; however, not all objects are applicable to all districts/states/regions.

Resync Object	Parent Objects	Child Objects
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Resync Object	Parent Objects	Child Objects
AttendanceBIEAbsentDays	District School Calendar ScheduleStructure PersonIdentity Enrollment*	No dependent objects
AttendanceExactCount	District School Calendar ScheduleStructure PersonIdentity Enrollment*	No dependent objects
AttendanceGroupKY	District School Calendar ScheduleStructure PersonIdentity Enrollment*	No dependent objects
AttendanceKYMinute	District School Calendar ScheduleStructure PersonIdentity Enrollment*	No dependent objects
AttendanceMTSnapshot	District School Calendar ScheduleStructure PersonIdentity Enrollment*	No dependent objects
AttendanceSDMinute	District School Calendar ScheduleStructure PersonIdentity Enrollment*	No dependent objects
AttendanceExcuse	District School Calendar*	AttDayAggregation

Resync Object	Parent Objects	Child Objects
AttDayAggregation	District School Calendar AttendanceExcuse ScheduleStructure PeriodSchedule Day StructureGradeLevel PersonIdentity*	No dependent objects
Behavior	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
Calendar	District School*	AttendanceBIEAbsentDays AttendanceExactCount AttendanceGroupKY AttendanceKYMinute AttendanceMTSnapshot AttendanceSDMinute Behavior CensusContactSummary ContactLog CourseSection* CustomStudent Day Employment EmploymentAssignment EmploymentBackground EmploymentCredential Enrollment ESSKY Form FRYSCGroupProgramKY FRYSCGroupStatusKY FRYSCStatusKY GiftedStatusKY Graduation HealthScreening ImmCertificate LEPKY MedicaidInsurance NASIS PersonIdentity PersonIdentityNoStateIDOnly Plan

Resync Object	Parent Objects	Child Objects
		PlanProgressReport POSEligibility PreSchoolKY ProcessMessage ProgramParticipation Roster ScheduleStructure* StructureGradeLevel TEDSKY Test TestScore Title1KY TranscriptCourseSE Transportation Truancy VaccineShot
CensusContactSummary	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
ContactLog	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
CourseCode	No parent dependencies	No dependent objects
CourseSection	District School Calendar*	No dependent objects
CustomStudent	District School Calendar ScheduleStructure PersonIdentity Enrollment*	No dependent objects
CTEDataME	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects

Resync Object	Parent Objects	Child Objects
EarlyWarningScoreDaily	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
EarlyWarningScoreMonthly	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
EarlyWarningScoreYearly	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
Day	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
District	No parent dependencies	AttendanceBIEAbsentDays AttendanceExactCount AttendanceGroupKY AttendanceKYMinute AttendanceMTSnapshot AttendanceSDMinute Behavior CensusContactSummary ContactLog CourseSection CustomStudent Day Employment EmploymentAssignment EmploymentBackground EmploymentCredential Enrollment ESSKY Form FRYSCGroupProgramKY FRYSCGroupStatusKY FRYSCStatusKY GiftedStatusKY Graduation HealthScreening

Resync Object	Parent Objects	ImmCertificate Child Objects LEPKY
		MedicaidInsurance NASIS PersonIdentity PersonIdentityNoStateIDOnly Plan PlanProgressReport POSEligibility PreSchoolKY ProcessMessage ProgramParticipation Roster ScheduleStructure School StructureGradeLevel TEDSKY Test TestScore Title1KY TranscriptCourseSE Transportation Truancy VaccineShot
Employment	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
EmploymentAssignment	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
EmploymentBackground	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
EmploymentCredential	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects

Resync Object	Parent Objects	Child Objects
Enrollment	District School Calendar ScheduleStructure PersonIdentity*	AttendanceBIEAbsentDays* AttendanceExactCount* AttendanceGroupKY* AttendanceKYMinute* AttendanceMTSnapshot* AttendanceSDMinute* CustomStudent* ESSKY* FRYSCStatusKY* Graduation* PreSchoolKY* Roster* Evaluation* TeamMember* Title1KY*
ESSKY	District School Calendar ScheduleStructure PersonIdentity Enrollment*	No dependent objects
Evaluation	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
Form	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
FRYSCGroupProgramKY	District School Calendar ScheduleStructure PersonIdentity*	FRYSCGroupStatusKY*
FRYSCGroupStatusKY	District School Calendar ScheduleStructure PersonIdentity* FRYSCGroupProgramKY*	No dependent objects

Resync Object	Parent Objects	Child Objects
FRYSCStatusKY	District School Calendar ScheduleStructure PersonIdentity Enrollment*	No dependent objects
GiftedStatusKY	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
Graduation	District School Calendar ScheduleStructure PersonIdentity Enrollment*	No dependent objects
HealthScreening	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
ImmCertificate	District School Calendar ScheduleStructure PersonIdentity *	No dependent objects
ISEPResidentialCertification	No parent dependencies	No dependent objects
ISEPResidentialVerification	No parent dependencies	No dependent objects
LepKY	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
MedicaidInsurance	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects

Resync Object	Parent Objects	Child Objects
NASIS	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects

Resync Object	Parent Objects	Child Objects
PersonIdentity	District School Calendar ScheduleStructure*	AttendanceBIEAbsentDays AttendanceExactCount AttendanceGroupKY AttendanceKYMinute AttendanceMTSnapshot AttendanceSDMinute Behavior* CensusContactSummary* ContactLog* CustomStudent Employment* EmploymentAssignment* EmploymentBackground* EmploymentCredential* Enrollment* ESSKY Form* FRYSCGroupProgramKY* FRYSCGroupStatusKY FRYSCStatusKY GiftedStatusKY* Graduation Health Screening* ImmCertificate* LEPKY* MedicaidInsurance* NASIS* Plan* PlanProgressReport POSEligibility* PreSchoolKY ProcessMessage* ProgramParticipation* Roster TEDSKY* Test* TestScore Title1KY TranscriptCourseSE * Transportation* Truancy* VaccineShot*
PersonIdentityNoStateIDOnly	District School Calendar ScheduleStructure*	No dependent objects

Resync Object	Parent Objects	Child Objects
Plan	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
PlanProgressReport	District School Calendar ScheduleStructure PersonIdentity Plan*	No dependent objects
POSEligibility	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
PreSchoolKY	District School Calendar ScheduleStructure PersonIdentity Enrollment*	No dependent objects
ProcessMessage	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
ProgramParticipation	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
PublishedTabCustomStudent	District School Calendar ScheduleStructure Day StructureGradeLevel PersonIdentity*	No dependent Objects
ReportingEntity	District*	(ONLY WHEN THE REPORTING ENTITY OBJECT IS USED) AttendanceBIEAbsentDays AttendanceExactCount AttendanceGroupKY
<div style="background-color: #fff9c4; padding: 5px;">No longer available for Montana users.</div>		

Resync Object	Parent Objects	Child Objects
		AttendanceKYMinute AttendanceMTSnapshot AttendanceSDMinute Behavior CensusContactSummary ContactLog CourseSection CustomStudent Day Employment EmploymentAssignment EmploymentBackground EmploymentCredential Enrollment ESSKY Form FRYSCGroupProgramKY FRYSCGroupStatusKY FRYSCStatusKY GiftedStatusKY Graduation HealthScreening ImmCertificate LEPKY MedicaidInsurance NASIS PersonIdentity PersonIdentityNoStateIDOnly Plan PlanProgressReport POSEligibility PreSchoolKY ProcessMessage ProgramParticipation Roster ScheduleStructure School* StructureGradeLevel TEDSKY Test TestScore Title1KY TranscriptCourseSE Transportation Truancy VaccineShot

Resync Object	Parent Objects	Child Objects
Roster	District School Calendar ScheduleStructure StructureGradeLevel PersonIdentity Enrollment*	No dependent objects

Resync Object	Parent Objects	Child Objects
ScheduleStructure	District School Calendar*	AttendanceBIEAbsentDays AttendanceExactCount AttendanceGroupKY AttendanceKYMinute AttendanceMTSnapshot AttendanceSDMinute Behavior CensusContactSummary ContactLog CustomStudent Day* Employment EmploymentAssignment EmploymentBackground EmploymentCredential Enrollment ESSKY Form FRYSCGroupProgramKY FRYSCGroupStatusKY FRYSCStatusKY GiftedStatusKY Graduation HealthScreening ImmCertificate LEPKY MedicaidInsurance NASIS PersonIdentity* PersonIdentityNoStateIDOnly* Plan PlanProgressReport POSEligibility PreSchoolKY ProcessMessage ProgramParticipation Roster StructureGradeLevel* TEDSKY Test TestScore Title1KY TranscriptCourseSE Transportation Truancy VaccineShot

School Resync Object	District Parent Objects	Child Objects
		AttendanceBIEAbsentDays AttendanceExactCount AttendanceGroupKY AttendanceKYMinute AttendanceMTSnapshot AttendanceSDMinute Behavior Calendar* CensusContactSummary ContactLog CourseSection CustomStudent Day Employment EmploymentAssignment EmploymentBackground EmploymentCredential Enrollment ESSKY Form FRYSCGroupProgramKY FRYSCGroupStatusKY FRYSCStatusKY GiftedStatusKY Graduation HealthScreening ImmCertificate LEPKY MedicaidInsurance NASIS PersonIdentity PersonIdentityNoStateIDOnly Plan PlanProgressReport POSEligibility PreSchoolKY ProcessMessage ProgramParticipation Roster ScheduleStructure StructureGradeLevel TEDSKY Test TestScore Title1KY TranscriptCourseSE Transportation Truancy

Resync Object	Parent Objects	Child Objects
StructureGradeLevel	District School Calendar ScheduleStructure*	VaccineShot No dependent objects
TeamMember	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
TEDSKY	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
Test	District School Calendar ScheduleStructure PersonIdentity*	TestScore*
TestScore	District School Calendar ScheduleStructure PersonIdentity* Test*	No dependent objects
Title1KY	District School Calendar ScheduleStructure PersonIdentity Enrollment*	No dependent objects
TranscriptCourseSE	District School Calendar ScheduleStructure StructureGradeLevel PersonIdentity*	No dependent objects
Transportation	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects

Resync Object	Parent Objects	Child Objects
Truancy	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects
VaccineShot	District School Calendar ScheduleStructure PersonIdentity*	No dependent objects

Technical Information

The *DISBatchHistory* database table stores historical information related to resync requests. Though only the most recent request summary information appears in the user interface, historical resync summary data is stored in the table.
