

# Syncing Data from Multiple School Years

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The information contained on this page is only applicable to district and state-level users operating within an Infinite Campus State or Regional Edition installation in which syncing to the previous or next school year has been enabled or is of interest.

State customers may choose to enable syncing of multiple school years' data. This process is often referred to as having "multiple scoped years," as the "scope" of data is expanded to allow more than one year's data to sync at the same time. The ability to sync data from multiple school years allows districts flexibility in resolving tasks from the previous school year (e.g., graduation, reporting) and helps them prepare for the next school year (e.g. future enrollments, scheduling).

## Basic Logic and Setup

Infinite Campus Support configures syncing for multiple school years. This process should not be attempted by a district or state-level user.

Only districts who are part of a Campus State or Regional Edition installation can expand syncing capabilities to include additional school years.

The current school year, which always syncs, is the basis for determining the previous/next school years allowed to sync. Only the year directly preceding and following the current school year can be added to the sync scope. For example, if the current school year is 2009-10, the district could also sync data from the 2008-09 (previous) and/or the 2010-11 (next) school year(s).

## Agent Setup and Naming

**PATH:** *System Administration > Data Interchange > Agents*

District/state agents used to communicate synchronous messages related to the previous or next school years follow specific naming conventions:

- **Agent representing last school year** - These agents will be appended with "**M1**" at the end of the agent name. "M1" indicates the previous school year, or "Minus 1" school year. For example, the agent representing the previous school year will be named similar to *KYStateCampusM1* at both the district and state levels.

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*Image 1: Previous Year Agent M1 (district-level view)*

- **Agent representing next school year** - These agents will be appended with "**P1**" at the end of the agent name. "P1" indicates the next school year, or "Plus 1" school year. For example, the agent representing the next school year will be named similar to *KYStateCampusP1* at both the district and state levels.

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*Image 2: Next Year Agent P1 (district-level view)*

## Zones and Scoped Years

**PATH:** *System Administration > Data Interchange > Zones*

Synching of the previous/next year's data is controlled through zones established specifically for such a purpose. Separate zones are established for each sync year (previous, current, next). Separate zones for separate years prevents synched items from overwriting each other.

- **Zone representing last school year** - This zone will be appended with "**M1**" at the end of the agent name. "M1" indicates the previous school year, or "Minus 1" school year. For example, the zone handling data for the previous school year will be named similar to *KYStateCampusM1* at the district level and *KY005ZoneM1* at the state level.
- **Zone representing next school year** - This zone will be appended with "**P1**" at the end of the agent name. "P1" indicates the next school year, or "Plus 1" school year. For example, the zone handling data for the next school year will be named similar to *KYStateCampusP1* at the district level and *KY005ZoneP1* at the state level.

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*Image 3: Previous Year Zone (district-level view)*

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*Image 4: Previous Year Zone (state-level view)*

## Data Synching and Verification

When data from the previous or next school year is configured to sync, it will sync in the same manner as the current school year. Data additions/changes/deletions will trigger automatic syncs to the state. Manual batch resyncs and verification results are also available for this data:

- **For district-level information on manually resynching objects** from the previous/next school year, please refer to the [Resynching Data from the Previous or Next School Year](#) section of the district [Resync State Data](#) tool.
- **For district-level information on verifying the sync results and accuracy** of the previous/next school year, please refer to the [Verifying Data from the Previous or Next School Year](#) section of the district [Verification Summary](#) tool.
- **For state-level information on manually resynching objects** from the previous/next school year, please refer to the [Resynching Data from the Previous or Next School Year](#) section of the state [Resync State Data](#) tool.
- **For state-level information on verifying the sync results and accuracy** of the previous/next school year, please refer to the [Verifying Data from the Previous or Next School Year](#) section of the state [Verification Summary](#) tool.

# Available Sync Objects

If a state needs the ability to receive data from more than one school year, it can specify which data objects should be synced for each school year (*e.g.*, the *Enrollment* object for the next year or the *Transportation* object for a previous year).

The core objects that sync based on a year include: *Calendar*, *CourseSection*, *Day*, *PersonIdentity (students only)*, *PersonIdentityNoStateIDOnly*, *Enrollment* and *StructureGradeLevel*. Some objects do not sync based on a year, including objects based on a person, district or school record.

The following table lists DIS objects and their ability to sync in the previous (M1) and/or next (P1) school years as related to general event syncing (record added, changed or deleted) and through use of the [Resync State Data](#) tool:

Object	State/ Group	Available in M1/P1 Years	Not Available in M1/P1 Years	Partially Available in M1/P1 Years	Notes
<b>Enrollment</b>	All	X			
<b>PersonIdentity</b>	All	X*			*Only students require a year. Staff members do not require a year.
<b>PersonIdentityNoStateIDOnly</b>	All	X			
<b>ProgramParticipation</b>	All			X	Year is used when syncing via Resync State Data tool.  Year is not used when syncing on event (record added, changed or deleted).
<b>Calendar</b>	All	X			
<b>Day</b>	All	X			
<b>District</b>	All		X		
<b>School</b>	All		X		
<b>ScheduleStructure</b>	All			X	Year is used when syncing via the Resync State Data tool.  Year is not used when syncing an event (record added, changed or deleted).

Object	State/ Group	Available in M1/P1 Years	Not Available in M1/P1 Years	Partially Available in M1/P1 Years	Notes
<b>StructureGradeLevel</b>	All	X			
<b>CensusContactSummary</b>	All			X	<p>Year is used when synching via the Resync State Data tool.</p> <p>Year is not used when synching an event (record added, changed or deleted).</p>
<b>TestScore</b>	All			X	<p>Year is used when synching via the Resync State Data tool and when synching an event (add, change, delete).</p> <p><b>Test scores must be resynched within the current school year.</b></p> <p>The <i>TestScore</i> object will not appear on the Resync State Data tool for the previous or next school year(s). However, when the <i>TestScore</i> object is resynched within the current school year, all tests within a school year configured to sync to the state will be resynched.</p> <ul style="list-style-type: none"> <li>• If the <i>endYear</i>, <i>startDate</i> and <i>endDate</i> of the test are ALL null, the test scores will sync.</li> <li>• If the <i>endYear</i>, <i>startDate</i> and <i>endDate</i> of the test are ALL outside of the</li> </ul>

Object	State/ Group	Available in M1/P1 Years	Not Available in M1/P1 Years	Partially Available in M1/P1 Years	Notes
					<p>school years configured to sync, the test scores will not sync.</p> <p>Regular event syncing (record added, changed or deleted) will occur for tests that have an <i>endYear, startDate</i> or <i>endDate</i> within the school year(s) configured to sync.</p>
Test	All			X	<p>Year is used when syncing via the Resync State Data tool.</p>
Employment	All		X		
EmploymentAssignment	All		X		
EmploymentBackground	All		X		
EmploymentCredential	All		X		
Behavior	All (not MT)			X	<p>Year is used when syncing via the Resync State Data tool.</p>
					<p>Year is not used when syncing an event (record added, changed or deleted).</p>
Plan	All			X	<p>Year is used when syncing via the Resync State Data tool. <i>ModifiedDate</i> is used as a comparison.</p>
					<p>Year is not used when syncing an event (record added, changed or deleted).</p>

<b>Object</b>	<b>State/ Group</b>	<b>Available in M1/P1 Years</b>	<b>Not Available in M1/P1 Years</b>	<b>Partially Available in M1/P1 Years</b>	<b>Notes</b>
<b>Evaluation</b>	All			<b>X</b>	<p>Year is used when synching via the Resync State Data tool. <i>ModifiedDate</i> is used as a comparison.</p> <p>Year is not used when synching an event (record added, changed or deleted).</p>
<b>ContactLog</b>	All			<b>X</b>	<p>Year is used when synching via the Resync State Data tool. <i>Date</i> is used as a comparison.</p> <p>Year is not used when synching an event (record added, changed or deleted).</p>
<b>TeamMember</b>	All			<b>X</b>	<p>Year is used when synching via the Resync State Data tool. <i>StartDate</i> and <i>End Date</i> are used as a comparison.</p> <p>Year is not used when synching an event (record added, changed or deleted).</p>
<b>Form</b>	All			<b>X</b>	<p>Year is used when synching via the Resync State Data tool. <i>ModifiedDate</i> is used as a comparison.</p> <p>Year is not used when synching an event (record added, changed or deleted).</p>

<b>Object</b>	<b>State/ Group</b>	<b>Available in M1/P1 Years</b>	<b>Not Available in M1/P1 Years</b>	<b>Partially Available in M1/P1 Years</b>	<b>Notes</b>
<b>PlanProgressReport</b>	All			<b>X</b>	<p>Year is used when syncing via the Resync State Data tool. <i>ModifiedDate</i> is used as a comparison.</p> <p>Year is not used when syncing an event (record added, changed or deleted).</p>
<b>HealthScreening</b>	All			<b>X</b>	<p>Year is used when syncing via the Resync State Data tool. Comparison made to student enrollment StartDate and EndDate.</p> <p>Year is not used when syncing an event (record added, changed or deleted).</p>
<b>VaccineShot</b>	All			<b>X</b>	<p>Year is used when syncing via the Resync State Data tool. Comparison made to student enrollments.</p> <p>Year is not used when syncing an event (record added, changed or deleted).</p>

<b>Object</b>	<b>State/ Group</b>	<b>Available in M1/P1 Years</b>	<b>Not Available in M1/P1 Years</b>	<b>Partially Available in M1/P1 Years</b>	<b>Notes</b>
<b>ImmCertificate</b>	All			<b>X</b>	Year is used when synching via the Resync State Data tool. Comparison made to student enrollments.  Year is not used when synching an event (record added, changed or deleted).
<b>MedicaidInsurance</b>	All		<b>X</b>		
<b>Graduation</b>	All		<b>X</b>		
<b>Course</b>	All	<b>X</b>			
<b>Section</b>	All	<b>X</b>			
<b>CourseSection</b>	All	<b>X</b>			Year is used when synching via the Resync State Data tool.  Year is not used when synching an event (record added, changed or deleted), as this object is not applicable to event sync.
<b>ISEPResidentialVerification</b>	All			<b>X</b>	Year is used when synching via the Resync State Data tool.  Year may be used when synching an event (record added, changed or deleted).



<b>Object</b>	<b>State/ Group</b>	<b>in M1/P1 Years</b>	<b>Not Available in M1/P1 Years</b>	<b>Partially Available in M1/P1 Years</b>	<b>Notes</b>
<b>ISEPResidentialCertification</b>	All			<b>X</b>	<p>Year is used when syncing via the Resync State Data tool.</p> <p>Year may be used when syncing an event (record added, changed or deleted).</p>
<b>AttendanceMTSnapshot</b>	MT	<b>X</b>			<p>Year is used when syncing via the Resync State Data tool.</p> <p>Year is not used when syncing an event (record added, changed or deleted), as this object is not applicable to event sync.</p>
<b>AttendanceSDMinute</b>	SD	<b>X</b>			<p>Year is used when syncing via the Resync State Data tool.</p> <p>Year is not used when syncing an event (record added, changed or deleted), as this object is not applicable to event sync.</p>

<b>Object</b>	<b>State/ Group</b>	<b>Available in M1/P1 Years</b>	<b>Not Available in M1/P1 Years</b>	<b>Partially Available in M1/P1 Years</b>	<b>Notes</b>
<b>AttendanceKYMinute</b>	KY	X			<p>Year is used when syncing via the Resync State Data tool.</p> <p>Year is not used when syncing an event (record added, changed or deleted), as this object is not applicable to event sync.</p>
<b>AttendanceExactCount</b>	All (not MT, SD, KY)	X			<p>Year is used when syncing via the Resync State Data tool.</p> <p>Year is not used when syncing an event (record added, changed or deleted), as this object is not applicable to event sync.</p>
<b>NASIS</b>	BIE			X	<p>Year is used when syncing via the Resync State Data tool.</p> <p>Year is not used when syncing an event (record added, changed or deleted), as this object is not applicable to event sync.</p>

<b>Object</b>	<b>State/ Group</b>	<b>Available in M1/P1 Years</b>	<b>Not Available in M1/P1 Years</b>	<b>Partially Available in M1/P1 Years</b>	<b>Notes</b>
<b>AttendanceBIEAbsentDays</b>	BIE	X			Year is used when syncing via the Resync State Data tool.  Year is not used when syncing an event (record added, changed or deleted), as this object is not applicable to event sync.
<b>CustomStudent</b>	SD			X	Year is used when syncing via the Resync State Data tool.  Year is not used when syncing an event (record added, changed or deleted), as this object is not applicable to event sync.
<b>ReportingEntity</b>	MT		X		
<b>GiftedStatusKY</b>	KY		X		
<b>Title1KY</b>	KY	X			
<b>ESSKY</b>	KY	X			
<b>PreschoolKY</b>	KY	X			
<b>FRYSCStatusKY</b>	KY	X			
<b>FRYSCGroupStatusKY</b>	KY	X			
<b>FRYSCGroupProgramKY</b>	KY	X			
<b>LepKY</b>	KY		X		
<b>AttendanceGroupKY</b>	KY	X			
<b>TedsKY</b>	KY		X		
<b>Transportation</b>	KY	X			
<b>Truancy</b>	ME	X			
<b>CTEDDataME</b>	ME		X		

