

Verification Summary (District)

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Tool Search: Verification Summary

The district-level Verification Summary tool analyzes data synchronization results between district and state-level records. The tool also contains the <u>Verification Summary Report</u>, which can be used to identify specific data issues.

State-level users should refer to the <u>Verification Summary (State)</u> **article.** This tool is only available to district and state-level users connected to an Infinite Campus State Edition product. This page contains the features of the tool available to district-level users.

This article includes the following topics:

<u>Verify Data</u> | <u>Analyze Verification Results</u> | <u>Generate the Verification Summary Report</u> | <u>Verification</u> <u>Results Table Fields</u> | <u>Related Tools</u>

Verification Summary 🏠				System	Settings	> Data	Interchange	e Admini	stration	Verification Sumr
📀 Re-Verify 🗧 Verification Summary Report										
2023-2024 DIS Verification Results District Name Overall Accuracy	Verification Results for 27 Object		ON COUNTY PUBLIC Timestamp		Total Record	e	Total Errors	M	ssing	Differences
275 JEFFERSON COUNTY 93.19%	Object	Legend	Timestamp		At District		Total Ellors		At District	
PUBLIC SCHOOLS	Behavior	99.73%	09/26/2023 08:08:42	22717	22694	22680	62	37	23	2
	Employment	94.16%	09/26/2023 08:10:12	30545	30207	29118	1784	1427	338	19
	EmploymentAssignment	94.04%	09/26/2023 08:09:42	60046	58708	57889	3580	2157	1338	85
	English Learners	98.01%	09/26/2023 08:12:13	24623	24621	24136	489	487	2	0
	Enrollment	83.86%	09/26/2023 08:10:43	145460	145459	121993	23470	23467	1	2
	Graduation	92.93%	09/26/2023 08:11:43	34210	34103	31939	2419	2271	107	41
	PersonIdentity	98.23%	09/26/2023 08:12:43	201573	200209	200266	3569	1307	1364	898
	TestScore		09/27/2023 07:52:06	0	0	0	0	0	0	0
					л		*			

Verification Tool (District Level)

The Verification Summary tool provides information on data inconsistencies in the following areas:

- Behavior Records
- Employment Records
- Employment Assignment Records
- Enrollment Records
- Graduation Records
- English Learner Records
- Person/Identity Records
- Test Scores

Infinite Campus recommends using this tool regularly to promote early identification of data inconsistencies between district and state levels, including missing and/or duplicate records. Summaries of existing and potentially erroneous records will be shown for both the district and state levels. Users may wish to analyze the data returned by this report in conjunction with



manually re-syncing data through the <u>Resync State Data (District)</u> tool.

Not all differences shown in the Verification Summary reports are failures. Some data may reflect expected differences.

The database tables that store information related to this tool are the *DISVerificationResult* and the *DISVerificationDifference* tables.

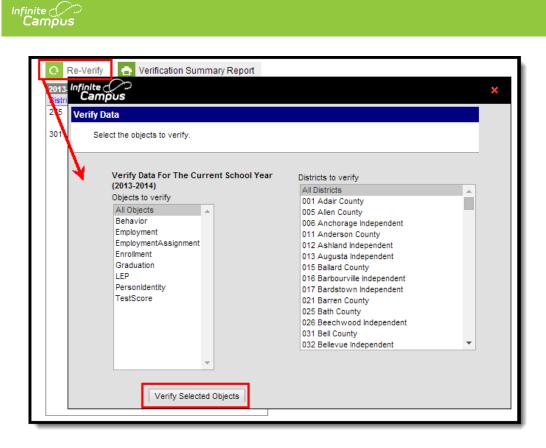
See the <u>Verification Summary Tool Rights</u> article for information about tool rights.

Verify Data

The state may have disabled district-level use of this feature (through the state-level <u>Verification Settings</u> tool).

The Verification Summary tool can be used by a district to identify differences in student and staff data that might exist between the district and state-level databases.

In general, verifications are run on the current school year, though districts/states that sync data for multiple school years will have the additional ability to <u>verify data from the previous/next school</u> <u>year</u>.



Verify Data (for Current School Year)

Verify Data from the Current School Year

- 1. Click the **Re-Verify** icon from the action bar. The Verify Data wizard will appear.
- 2. Select the **Objects to Verify** (described in the table below).
- 3. Click the Verify Selected Objects button. The verification process will begin.

Object	Description
All Objects	Verify all objects (see verification manner for each object below).
Behavior	Verify <u>behavior records</u> exist in both the district and state, checking for differences in the following fields: Behavior Event, Behavior Type, Behavior Resolution Type, Behavior Role, Behavior Resolution, Behavior Incident GUID and the date in which the behavior event occurred.
Employment	Verify <u>staff district employment records</u> exist in both the district and state, checking for differences in the record's Start Date and/or End Date.
EmploymentAssignment	Verify <u>staff district assignment records</u> exist in both the district and state, checking for differences in the record's Start Date and/or End Date.
Enrollment	Verify <u>student enrollment records</u> exist in both the district and state, checking for differences in the following fields: Grade Level, Service Type, Start Date, End Date, Start Status and/or End Status.

Object	Description
Graduation	Verify <u>student graduation records</u> exist in both the district and state, checking for differences in the following fields: Diploma Date, Diploma Type, Diploma Type (BIE), Date First Entered 9th Grade and/or NCLB Cohort Year. Verification will only check graduation records of students with a high school enrollment in the verified year.
	For proper reporting of graduation records, all local high school grades must be <u>mapped to a state grade</u> that is matched to a federal NCES grade level of 9, 10, 11 or 12 in the stateGradeLevelDefinitions table.
LEP	Verify student LEP records exist in both the district and state, checking for differences in the following fields: Program Status, Identified, Expected Exit Date, Exit Date, First Year Monitoring, Second Year Monitoring, Parent Notified Date, Parent Declined.
PersonIdentity	Verify <u>person/identity records</u> exist in both the district and state, checking for differences in the following fields: Last Name, First Name, Middle Name, Gender, Birth Date, SSN, Person GUID, Race/Ethnicity, State ID and/or Staff State ID.
TestScore	Verify test scores of <u>state published tests</u> exist in both the District and State Editions, checking for differences in the following fields: Date, Scale Score, Raw Score and Percentile. Only test scores associated with the verified year will be checked.

Processing time will depend on a variety of factors, including bandwidth limitations, state-level settings and pending requests. The **Timestamp** column of the Verification Results table will display a "(!)" after an existing date or an N/A value for the column of the requested verification while the process completes.

211 Grayson County 99.89% Legend Distinct At District At State At State At District 215 Green County 99.90% 99.91% 06/01/2011 10:06:44 1130 1129 1 1 0 221 Greenup County 97.91% District Assignment 66.33% 06/01/2011 10:06:44 1019 574 1019 445 0 445 231 Hardin County 99.87% 06/01/2011 10:06:17 455 404 455 51 0 51 235 Hardin County 99.87% 06/01/2011 10:06:12 2571 2571 2589 2 2 0	Differences tt 0 0
Behavior 99.90% Distinct At late <	0
221 Greenup County 97.91% 225 Hancock County 99.95% 231 Hardin County 99.87% 235 Hardin County 99.87%	-
225 Hancock County 99.95% Employment 88.79% 06/01/2011 10:06:40 1019 574 1019 445 0 445 231 Hardin County 99.87% Employment 88.79% 06/01/2011 10:06:17 455 404 455 51 0 51 235 Hardin County 99.87% 99.92% 06/01/2011 10:06:12 2571 2569 2 2 0	0
231 Hardin County 99.87% Employment 68.75% 06/01/2011 10:06:17 455 404 455 51 0 51 235 Hardin County 99.87% 06/01/2011 10:06:21 2571 2569 2 2 0	
235 Harlan County 99.92% Enrollment 99.92% 06/01/2011 10:06:21 25/1 25/1 25/9 2 2 0	0
235 Harlan County 99.92%	0
Graduation 99.91% 06/01/2011 10:06:44 1130 1129 1 1 0	0
236 Harlan Independent 99.90%	0
241 Harrison County 99.97%	5
245 Hart County 99.73%	-
246 Hazard Independent 100.00% TestScore 66.67% 05/31/2011 13:09:38 (t) 3 3 2 1 1 0	0

Pending - Verification In-Progress

Verification Progress



All verification requests go through four stages: **Pending, Requested, Processing** and **Complete**.

Requests begin in the pending stage, where the <u>Task Scheduler</u> tool is used to throttle the number of verifications run at a time. If the maximum number is reached, the remaining requests are held in the *Pending* status until space opens up. The status moves to *Processing* once the data is received. When all data is received and the request is done, the status is *Complete*.

A user may need to manually refresh the tool to see completed results. To refresh results, click the Verification tool in the Index or the Verification Summary tab. Then select the appropriate entry in the DIS Verification Results editor to open the table and review results.

The Verification Summary tool only displays the most current results; it does not log historical results. Therefore, a user may wish to use the <u>Verification Summary Report</u> button to generate a copy of verification data that can be saved for historical purposes.

Verify Data from the Previous or Next School Year

Some districts may have the ability to verify data from the previous and/or next school years, if that district currently syncs data from multiple school years. These districts should review the information on the <u>Syncing Data from Multiple School Years</u> page before attempting to verify data from the previous and/or next school year.

If the district syncs data for the previous and/or next school year, this tool will allow verification of that data. The user should set the **Year** field of the Campus toolbar to the appropriate year and follow the <u>standard steps for verifying data</u>.

Analyze Verification Results

The Verification Results table displays results of the last verification, regardless of whether it was requested by the district or the state. Results are displayed in a statistical format and include all schools in the district. Select the district name in the DIS Verification Results editor to view the latest set of results.

Not all differences shown in the Verification Summary reports are failures. Some data may reflect expected differences.

			_										
2012-201 District	13 DIS Verification Resu Name	Its Overall Accuracy		Verification Results fo Object		nup County Timestamp		otal Record	le	Total Errors		ssing	Difference
211	Grayson County	99.89%		object	Legend	mestamp		At District		Total citors		At District	
215	Green County	99.90%		Behavior	98.82%	03/04/2013 11:08:44		680		8	6	1	1
221	Greenup County	97.91%		Employment	91.16%			575		51	49	2	0
225	Hancock County	99.95%			99.04%			728	725	31	40	2	0
231	Hardin County	99.87%		EmploymentAssignment						1	5	2	U
235	Harlan County	99.92%		Enrollment	99.73%	05/08/2013 14:56:27	3681	3681	3677	10	4	0	6
236	Harlan Independent	99.90%		Graduation	80.09%	03/04/2013 11:08:42	919	917	919	183	0	2	181
241	Harrison County	99.97%		LEP	100.00%	03/04/201011:09:06	1	1	1	0	0	0	0
245	Hart County	99.73%		PersonIdentity	99.67%	03/04/201 1-08-50		6921	6905	-23	17	1	5
245	Hazard Independent	100.00%		TestScore		03/04/2013 Status: C	omplete	(03/04/2013	11:09:40)	1	0	0	0

Completion Status of Verification

Hovering the mouse over the link in the **Timestamp** column will indicate the current status of the verification.

If the verification has been requested and/or is still processing, an exclamation point "!" will appear in the **Timestamp** column. Hovering the mouse over it will indicate a status of "Pending" and the date/time the request was initiated.

Review Specific Data Errors

The details of completed verifications are available by selecting a link from the **Timestamp** column of the Verification Results editor.

Object	Accuracy	Total Rec			
	Legend		Distinct	At Distri	
Behavior	82.38%	06/13/2011 13:27:03 (!)	914	754	
Employment	55.96%	06/13/2011 13:26:33 (!)	1912	1071	
EmploymentAssignment	99.82%	06/13/2011 13:27:05 (!)	4372	4366	
Enrollment	99.75%	07/22/2011 08:55:04 (!)	1621	1620	
Graduation	74.07%	07/22/2011 08:52:04 (!)	27	25	
LEP		06/13/2011 13:28:05	0	0	
PersonIdentity	98.55%	06/13/2011 13:28:05 (!)	6083	6019	
TestScore		06/13/2011 13:28:05	0	0	

Link to Verification Detail Report

Selecting a hyper-linked time from the Timestamp column will generate a report with summary information and the specific records identified as erroneous. This report is broken into the following three sections.

Header/Syncing Rules

The top of the report describes the logic used to compare existing records between state and district as well as syncing rules to consider when analyzing report data.



0902 Butte School District #1 District Generated on 10/05/2012 02:57:41 PM Page 1	Enrollment Verification Report Comparison of District Enrollment Data With State Data Butte School District #1 Verified: 02/08/2012 10:14
Enrollment Verification Results	
The Enrollment Verification will compare all enrollment recor column of the report may suggest a reason related to record	ds existing at the district and state in the school year selected for verification. The Details differences.
Enrollment Sync Rules	
Local and/or state-level settings may intentionally prevent sy	ncing of certain enrollments. The following criteria can prevent enrollments from syncing:
 Individual Enrollment marked as state exclude Grade Level marked as state exclude System Preference - Enrollment Overlap Behavi System Preference - Accept State Excluded Gra Unmapped State/Regional Grade Levels 	
The success of Enrollment object syncing depends on the su	uccessful syncing of these parent objects:
 District Reporting Entity* School Calendar ScheduleStructure StructureGradeLevel PersonIdentity 	
*Localized object, not applicable to all customers	

Example of Enrollment Verification Detail Report - Header

District Verification Summary

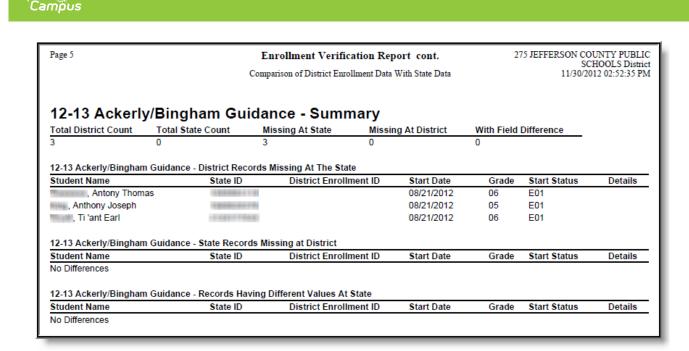
The District Verification Summary lists the amount of records at district and state, the amount of records missing at both district and state and how many records have field differences when comparing values between district and state for each school in the reporting district.

Total	District Count	State Count	Missing At State	Missing At District	With Field Difference
Butte School District #1 - ALL	4174	4172	2	0	0
11-12 Butte High School	1284	1284	0	0	0
11-12 East Middle School	638	638	0	0	0
11-12 Emerson Elementary	378	377	1	0	0
11-12 Hillcrest Elementary	390	390	0	0	0
11-12 Kennedy Elementary	291	291	0	0	0
11-12 Margaret Leary Elementar	313	313	0	0	0
11-12 West Elementary	463	463	0	0	0
11-12 Whittier Elementary	417	416	1	0	0

Example of Enrollment Verification Detail Report - District Verification Summary

School-Level Breakdown of Record Errors

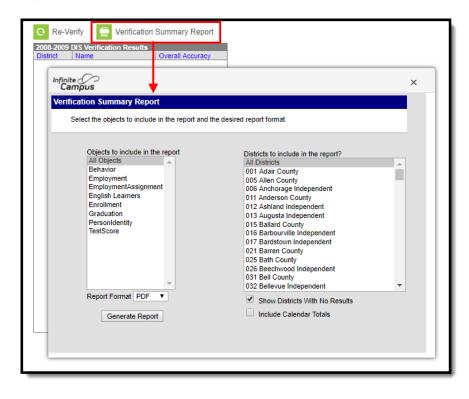
The final section of the report provides a school-by-school breakdown of which records are missing at the district, which records are missing at the state and which records have different values between the state and district..



Example of Enrollment Verification Detail Report - School-Level Breakdown of Record Errors

Generate the Verification Summary Report

The Verification Summary tool does not log historical verification results shown in the Verification Results table. To save verification data for historical purposes, generate the Verification Summary Report.



Generate Verification Summary Report

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To ensure that the Verification Summary Report reflects the most current data available, Infinite Campus recommends generating it directly after running a new verification.

To generate a report with the results of the last verification:

- 1. Click the **Verification Summary Report** icon located in the action bar. The Verification Summary Report editor will appear.
- 2. Select the applicable **Objects to Include in the Report** (described in the table below).
- 3. Select the appropriate style from the **Format** field of the report and click the **Generate Report** button.

Object	Description
All Objects	Verify all objects (see verification manner for each object below).
Behavior	Verify <u>behavior records</u> exist in both the district and state, checking for differences in the following fields: Behavior Event, Behavior Type, Behavior Resolution Type, Behavior Role, Behavior Resolution, Behavior Incident GUID and the date in which the behavior event occurred.
Employment	Verify <u>staff district employment records</u> exist in both the district and state, checking for differences in the record's Start Date and/or End Date.
EmploymentAssignment	Verify <u>staff district assignment records</u> exist in both the district and state, checking for differences in the record's Start Date and/or End Date.
Enrollment	Verify <u>student enrollment records</u> exist in both the district and state, checking for differences in the following fields: Grade Level, Service Type, Start Date, End Date, Start Status and/or End Status.
Graduation	Verify student graduation records exist in both the district and state, checking for differences in the following fields: Diploma Date, Diploma Type, Diploma Type (BIE), Date First Entered 9th Grade and/or NCLB Cohort Year. Verification will only check graduation records of students with a high school enrollment in the verified year. For proper reporting of graduation records, all high school grades must be <u>mapped to a state grade</u> that is matched to a federal NCES grade level of 9, 10, 11, or 12 in the stateGradeLevelDefinitions table

Object	Description
LEP	Verify student LEP records exist in both the district and state, checking for differences in the following fields: Program Status, Identified, Expected Exit Date, Exit Date, First Year Monitoring, Second Year Monitoring, Parent Notified Date, Parent Declined.
PersonIdentity	Verify <u>person/identity records</u> exist in both the district and state, checking for differences in the following fields: Last Name, First Name, Middle Name, Gender, Birth Date, SSN, Person GUID, Race/Ethnicity, State ID and/or Staff State ID.
TestScore	Verify test scores of <u>state published tests</u> exist in both the District and State Editions, checking for differences in the following fields: Date, Scale Score, Raw Score and Percentile. Only test scores associated with the verified year will be checked.

The report will generate a summary of verification results similar to those appearing in the Verification Results editor. For example, the first page of the report might look like this (PDF example).

32002 Pierre 32-2 D Generated on 08/05/2011 10:22:5				Verifica	ntion S	ummary F	Report		
Employment Sync Rules	ncing depends on the	successful sw	ncing of th	ese parent	objects:				
1. District 2. Reporting Entity* 3. School 4. Calendar 5. ScheduleStructure 6. StructureGradeLevel 7. PersonIdentity	iting depends on the	Successiul Sy		ese parent	0036015.				
Localized object, not applicable to all	customers								
2010-2011 Verificatio	on Results f	or Empl							
District	Last Verified	Accuracy	Distinct	otal Record At District		Error Count		sing At District	Differences
Fotal 2002 Pierre 32-2 - ALL	08/05/2011 09:42	82.35% 82.35%	918 918	757 757	917 917	162 162	1	161 161	0

Verification Summary Report (Employment)

Verification Results Table Fields

The following information is available on columns within the Verification Results table.



Column	Summary of Data
Object	The type of data object analyzed.
Accuracy	The percentage of accuracy of the verification results. Clicking on the Legend link will display the key related to color-coding used in this column. Not all differences shown in the Verification Summary reports are failures.
	Some data may reflect expected differences. Color Coding Legend Hide Accuracy >= 99.5% 99.5% Accuracy >= 99.5% 99.0% - 99.5% Verification Results for 0% 11 Aberdeen 06-1 Object Accuracy Timestamp Total Records Total E Distinct At District At State
	Behavior 82.38% 06/13/2011 13:27:03 (I) 914 754 913 161 Employment 55.96% 06/13/2011 13:26:33 (I) 1912 1071 1911 842
	EmploymentAssignment 99.82% 06/13/2011 13:27:05 (!) 4372 4366 4371 8
	Enrollment 99.75% 07/22/2011 08:55:04 (!) 1621 1620 4 Graduation 74.07% 07/22/2011 08:52:04 (!) 27 25 27 7
	LEP 06/13/2011 13:28:05 0 0 0 0 0
	PersonIdentity 98.55% 06/13/2011 13:28:05 (!) 6083 6019 6068 88 TestScore 06/13/2011 13:28:05 0 0 0 0
	 Gray- No records to verify for the object The accuracy value is derived from the following calculation and is expressed as a percentage:
Timestamp	The date and time at which the verification last ran at either the district or state- level. Results always reflect the most recent generation. Clicking on the timestamp link will generate a PDF report of the verification results for the selected object.
(Total Records) Distinct	This column is a sum of the total number of records currently existing at the district, plus the total number of missing records that should exist at the district. Total Records: At District + Missing: At District = Distinct
(Total Records) At District	This column is the total number of records currently existing at the district level.
(Total Records) At State	This column is the total number of records currently existing at the state level.
Total Errors	This column is the sum of all missing records and differences. Missing: At State + Missing: At District + Differences = Total Errors

Column	Summary of Data
(Missing) At State	The total number of district-level records that do not exist at the state.
(Missing) At District	The total number of state-level records (related to the district) that do not exist at the district.
Differences	This is a count of the records existing at the district and the state where values in a key field differ. It is expressed as a total number of missing records subtracted from the total number of errors. Total Errors - (Missing: At State + Missing: At District) = Differences

Related Tools

Users may wish to analyze the data returned by this report in conjunction with the manual resync process of the <u>Resync State Data</u> tool.

The following reports (located elsewhere in the Campus product) are included within the Verification Summary tool. These reports are available as stand-alone reports only at the district-level:

- State Enrollment Verification Report
- State Person Identity Verification Report

State-level users may wish to view the <u>Verification Summary (State)</u> information.