

# Data Warehouse Tool Rights

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**Data Warehouse** consists of two tools (**Data Options** and **Refresh Settings**) that allow management of standard data warehouse functionality.

The data warehouse is a read-only database that allows optimized access to data for reporting and analysis purposes. The data warehouse periodically flattens views from the live, production database and stores them as part of a backup that can be accessed by reporting tools.

Use of the data warehouse allows a district/state to materialize views into tables, simplify joins, and improve overall reporting and database performance. Views can be added or excluded through use of the Data Options tool.

See the [Data Warehouse](#) articles to learn more about Data Warehouse tools and how they are used.

## Data Options

The Data Options tool allows a system administrator the ability to manually add/remove specific database views from being "flattened" by the data warehouse optimization process.

## Data Options ☆

System Settings > Data Warehouse > Data Options


 Save

Views moved to the right will be "flattened" during the data warehouse refresh process. Reports that run against a flattened view generate much faster, but the process of flattening a view is database intensive, increases the time it takes to generate the warehouse, and increases the size of the warehouse. It is recommended that users only include views that are used frequently. Views that appear gray are not available for flattening but are, along with the remaining unselected views, still accessible in the warehouse.

Database Views	Views to Flatten
<div>CCS_calendarUnits</div> <div>CCS_Counselor</div> <div>CCS_disability1</div> <div>CCS_disability2</div> <div>CCS_DV_CustomStudentSummary</div> <div>CCS_specialEdSetting</div> <div>CCS_specialEdStatus</div> <div>CCS_SpecialEdStudentData</div> <div>CCS_TranscriptWithCurrentCourses</div> <div>CCS_view_class</div> <div>LessonPlanActivity</div> <div>v_AccountManagement</div> <div>v_Address</div> <div>v_AdHoc_mnHispanicSubcategories</div> <div>v_AdHoc_mnRaceSubcategories</div> <div>v_AdHoc_waHispanicSubcategories</div> <div>v_AdHoc_waRaceSubcategories</div> <div>v_AdHocADA</div> <div>v_AdHocADAHist</div> <div>v_AdHocEarlyWarningScore</div> <div>v_APCheckPayment</div> <div>v_APVendor</div> <div>v_ARCcustomer</div> <div>v_ARCcustomerCreditAvailable</div>	<div>activeTrial</div> <div>attendanceCode</div> <div>calendarStructure</div> <div>cube_attendance</div> <div>cube_behavior</div> <div>cube_enrollment</div> <div>cube_grades</div> <div>cube_roster</div> <div>cube_spd</div> <div>cube_student</div> <div>cube_transcript</div> <div>individual</div> <div>ISEP_3_4_5</div> <div>ISEP_3_4_5_development</div> <div>ISEP_3_4_5_Instructional</div> <div>ISEP_ADM_Instructional</div> <div>ISEP_Allotment</div> <div>ISEP_Basic</div> <div>ISEP_Instructional_final</div> <div>ISEP_Res_Final</div> <div>ISEP_residential2</div> <div>ISEP_SchoolAdj</div> <div>ISEP_SchoolECR_IRG</div> <div>ISEP_Totals</div> <div>sectionStaff</div>
<div>Add</div>	<div>Remove</div>

## Refresh Settings

Refresh Settings ☆
System Settings > Data Warehouse > Refresh Settings

 Save

**Data Warehouse Refresh Controls**

☐ Stop Refreshing warehouse

Refresh Frequency  
1 time only ▼

Start Date  
01/01/2007

Start Time  
22:00

Age of data in Warehouse  
09/16/2019 22:00:00 -050

Status  
OK

**Refresh Log**

09/16/2019 22:00: \*\*\* Starting the rebuild of the campus data warehouse trumbullDW  
09/16/2019 22:00: \*\*\* Running the user defined stored procedure dw\_user\_preBackup on the trumbull database if it exists.  
09/16/2019 22:00: dw\_user\_preBackup has not been defined.  
09/16/2019 22:00: \*\*\* Starting backup of trumbull to \\172.16.240.22\DataWarehouse\trumbullDW.BAK  
09/16/2019 22:01: Processed 3101400 pages for database 'trumbull', file 'newCampus\_Data' on file 1.  
09/16/2019 22:01: Processed 8 pages for database 'trumbull', file 'newCampus\_Log' on file 1.  
09/16/2019 22:01: BACKUP DATABASE successfully processed 3101408 pages in 98.064 seconds (247.080 MB/sec).  
09/16/2019 22:01: \*\*\* Backup completed in 1 minutes  
09/16/2019 22:01: \*\*\* Data warehouse trumbullDW set to single user mode  
09/16/2019 22:01: \*\*\* Starting restore of trumbullDW...  
09/16/2019 22:02: Changed database context to 'master'.  
09/16/2019 22:02: Processed 3101400 pages for database 'trumbullDW', file 'newCampus\_Data' on file 1.  
09/16/2019 22:02: Processed 8 pages for database 'trumbullDW', file 'newCampus\_Log' on file 1.  
09/16/2019 22:02: RESTORE DATABASE successfully processed 3101408 pages in 60.241 seconds (402.213 MB/sec).  
09/16/2019 22:02: \*\*\* Restore completed in 1 minutes  
09/16/2019 22:02: \*\*\* Running the user defined stored procedure dw\_user\_postRestore on the trumbullDW database if it exists.  
09/16/2019 22:02: dw\_user\_postRestore has not been defined.  
09/16/2019 22:02: \*\*\* Cleaning up old and inactive data not needed in the warehouse.  
09/16/2019 22:15: Changed database context to 'trumbullDW'.  
09/16/2019 22:15: Deleted 434826 Rosters in inactive trials  
09/16/2019 22:15: Deleted 380872 SectionPlacements in inactive trials  
09/16/2019 22:15: The statement has been terminated.  
09/16/2019 22:15: Deleted 0 LessonPlanGroupActivities for sections in inactive trials  
09/16/2019 22:15: Deleted 0 LessonPlanActivitySubmissions for sections in inactive trials  
09/16/2019 22:15: Deleted 0 SubRosters for sections in inactive trials

Initial Data Warehouse configuration is performed by Infinite Campus Hosting, after which a district/state system administrator can modify the details of the views included in the backup process ([Data Options](#)) and for setting the refresh schedule for data warehouse backups ([Refresh Settings](#)).

## Available Tool Rights

Users need RWAD access in order to have full access to Data Warehouse functionality.

▼ Data Warehouse	✓ All	✓ Read	✓ Write	✓ Add	✓ Delete
Data Options	✓ All	✓ Read	✓ Write	✓ Add	✓ Delete
Refresh Settings	✓ All	✓ Read	✓ Write	✓ Add	✓ Delete

# Suggested User Groups

Typically, users of these tools have already been assigned one or more Product Security Roles that grant administrative-level access; therefore, a user group assignment is not necessary.

If your district's needs are different, you may choose to create a group that meets those needs.