



Last Modified on 10/22/2022 10:07 am CDT

Scheduling Data Warehouse Backups | Fields and Definitions

This tool is only available to districts/states that have data warehousing functionality enabled.

PATH: System Administration > Data Utilities > Data Warehouse Settings > Refresh Settings

SEARCH TERM: Refresh Settings

The Refresh Settings tab is tool within the Data Warehouse Settings folder of the Index. It allows a system administrator to set a schedule for refreshing the data warehouse to generate data backups. It also allows the system administrator to review the Refresh Log, which displays the progress and details of the most recently generated backup.

Refresh Settings 🏠 System Settings > Data Warehouse > Refresh Settings			
Save			
Data Warehouse Refresh Controls	1		
Stop Refreshing warehouse	1		
Refresh Frequency			
1 time only V			
Start Date			
01/01/2007			
Start Time			
22:00			
Age of data in Warehouse			
09/16/2019 22:00:00 -050			
Status	L		
OK			
Refresh Log			
09/16/2019 22:00: *** Starting the rebuild of the campus data warehouse trumbullDW	1		
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	L		
09/16/2019 22:01: Processed 3101400 pages for database 'trumbull', file 'newCampus_Data' on file 1.	L		
09/16/2019 22:01: Processed 8 pages for database 'trumbull', file 'newCampus_Log' on file 1.	L		
09/16/2019 22:01: BACKUP DATABASE successfully processed 3101408 pages in 98.064 seconds	L		
(247.080 MB/sec). 09/16/2019 22:01: *** Backup completed in 1 minutes	L		
09/16/2019 22:01: *** Data warehouse trumbullDW set to single user mode	L		
09/16/2019 22:01: *** Starting restore of trumbullDW	L		
09/16/2019 22:02: Changed database context to 'master'.	L		
09/16/2019 22:02: Processed 3101400 pages for database 'trumbullDW', file 'newCampus_Data' on file 1	L		
09/16/2019 22:02: Processed 8 pages for database 'trumbuliDW', file 'newCampus Log' on file 1.	L		
09/16/2019 22:02: RESTORE DATABASE successfully processed 3101408 pages in 60.241 seconds	L		
(402.213 MB/sec).	L		
09/16/2019 22:02: *** Restore completed in 1 minutes	L		
09/16/2019 22:02: *** Running the user defined stored procedure dw_user_postRestore on the trumbulIDW database if it exists.	1		
09/16/2019 22:02: dw_user_postRestore has not been defined.	L		
09/16/2019 22:02: *** Cleaning up old and inactive data not needed in the warehouse.	L		
09/16/2019 22:15: Changed database context to 'trumbullDW'.	E		
09/16/2019 22:15: Deleted 434826 Rosters in inactive trials 09/16/2019 22:15: Deleted 380872 SectionPlacements in inactive trials	L		
09/16/2019 22:15: The statement has been terminated.	L		
09/16/2019 22:15: Deleted 0 LessonPlanGroupActivities for sections in inactive trials	L		
09/16/2019 22:15: Deleted 0 LessonPlanActivitySubmissions for sections in inactive trials	L		
09/16/2019 22:15: Deleted 0 SubRosters for sections in inactive trials			



Refresh Settings

Scheduling Data Warehouse Backups

A system administrator should set a schedule for refreshing the data warehouse and creating new backups of the live database. The refresh schedule determines how often a new backup is made available.

Considering Existing System Tasks

Before setting a recurring task for the data warehouse, consider the times/frequencies of other active system tasks to prevent slowed system performance.

Task Scheduler 🏠 System Settings > System Processes > Task Scheduler S Delete Hew Task Save Scheduled Task List 0 Start Date Name Frequency 10/18/2019 10:35:00 0 Batch Queue Maintenance 07/21/2011 00:00:00 0 Daily CDR Maintenance 06/25/2014 05:00:00 Daily \circ Data Warehouse Updater 01/01/2007 21:30:00 Daily Dialer--Armstrong At 09/09/2019 19:05:00 Daily Dialer--Armstrong Ta 09/17/2019 18:00:00 Daily Scheduled Task Detail Stop/Pause Execution Batch Queue Maintenance 1 *Start Date/Time Recurring Frequency 07/21/2011 12:00 AM Daily . Tool Code batchQueue.BatchQueue! Task Type SQL Script
 Java (Prism URL call)
 x=batchQueue.BatchQueueMaintenance-procedure Task Scheduler is NOT currently running on this district server. Please configure Task Scheduler in the campus.xml. If the district is on a cluster, ONLY ONE server needs the scheduling thread. If you need assistance please call Infinite Campus Support

Existing system tasks should be reviewed on the Task Scheduler tool:

Task Scheduler

When a data warehouse task exists on the Refresh Settings tool, it will also appear on this screen. Data warehouse tasks can be viewed but not modified on the Task Scheduler tool. Data warehouse tasks can only be modified on the Refresh Settings tool.



Scheduling Backups

Changes to the schedule.

Save	
Data Warehouse F	
Stop Refreshing war	rehouse
Refresh Frequency	
Daily 🔻	
Start Date	
06/13/2013	
Start Time	
20:45	
Age of data in Warel	
06/15/2013 20:44:0	0 -050
Status	
ОК	
Refresh Log	
	** Starting the rebuild of the campus data warehouse CHUHDW
	** Running the user defined stored procedure dw user preBackup on the
CHUH database if it	
06/15/2013 20:45: d	w user preBackup has not been defined.
	** Starting backup of CHUH to \\10.1.38.68\datawarehouse\CHUHDW.bak
	rocessed 576776 pages for database 'CHUH', file 'newCampus Data' on file 1.
	rocessed 4 pages for database 'CHUH', file 'newCampus Log' on file 1.
06/15/2013 20:46: B	ACKUP DATABASE successfully processed 576780 pages in 53.455 seconds
(84.296 MB/sec).	
06/15/2013 20:46: *	** Backup completed in 1 minutes
06/15/2013 20:46: *	** Data warehouse CHUHDW set to single user mode
06/15/2013 20:46: *	** Starting restore of CHUHDW
06/15/2013 20:52: C	hanged database context to 'master'.
	rocessed 576776 pages for database 'CHUHDW', file 'newCampus_Data' on file
1.	
	rocessed 4 pages for database 'CHUHDW', file 'new Campus_Log' on file 1.
	converting database 'CHUHDW' from version 655 to the current version 661.
	atabase 'CHUHDW' running the upgrade step from version 655 to version 660.
	atabase 'CHUHDW' running the upgrade step from version 660 to version 661.
seconds (11.273 ME	ESTORE DATABASE successfully processed 576780 pages in 399.722
· · ·	** Restore completed in 6 minutes
	** Running the user defined stored procedure dw_user_postRestore on the
CHUHDW database	
	w user postRestore has not been defined.
	** Cleaning up old and inactive data not needed in the warehouse.
	changed database context to 'CHUHDW'.
	eleted 287459 Rosters in inactive trials
06/15/2013 21:00: D	eleted 496992 SectionPlacements in inactive trials

Setting the Refresh Schedule

To set/modify the schedule of data backups, complete the following steps:

- 1. If a checkmark appears in the **Stop Refreshing Warehouse** box, remove it. This will activate the refresh process. The refresh will not occur if this checkbox is marked.
- 2. Select a **Refresh Frequency** to set how often the backup will be refreshed.
- 3. Enter/modify the **Start Date** on which the next refresh schedule should begin.
- 4. Enter/modify the Start Time on which the next refresh should begin.
- 5. Click **Save** to save the settings. The next backup will occur at the specified date/time.

Fields and Definitions

Fields available in the Data Warehouse Refre	esh Controls editor can be defined as follows:
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Field	Definition
Stop Refreshing Warehouse	 This checkbox indicates whether or not the data warehouse is currently active: If box is checked - The data warehouse process is currently "paused" and is not actively taking/storing backup of the live database. The checkmark may be removed from this field at any time. If box is not checked - The data warehouse is actively taking/storing backup of the live database according to the schedule set by the other fields of the tool.
Refresh Frequency	 The data warehouse can be set to to refresh one time or scheduled to automatically refresh on a regular basis. The following options are available: 1 Time Only - The data warehouse will be refreshed only once (one backup will be taken at the scheduled date/time). Weekly - The data warehouse will be refreshed weekly (a new backup will be taken every 7 days, based on the values entered in the Start Date and Start Time fields). Daily - The data warehouse will be refreshed every day (a new backup will be taken every 24 hours, based on the values entered in the Start Date and Start Time fields).
Start Date	The first day on which the data warehouse will take/store a backup of the live database (assuming the Stop Refreshing Warehouse box is not checked).
Start Time	The time of the day entered in the Start Date field at which the data warehouse will start backing up the live database to create a backup.
Age of Data in Warehouse	The date and time of the most recent data backup stored in the data warehouse. This is the backup from which reports are pulling (unless reporting off of the live database).
Status	 The status of the data warehouse refresh process: OK - Data warehouse refresh process completed successfully. Refresh - Data warehouse refresh currently in progress. Error - Error occurred during data warehouse refresh process.
Refresh Log	Details on the flatten and storage process of the last data backup.