



STATE BOARD MASTER VIEWS (SBMD)

State Board Master Data Views

Purpose

The State Board Master Data (SBMD) views function as the source of data for the SBCTC Data Warehouse. When Data Services takes the snapshot for the Data Warehouse each quarter, the SBMD views are the source.

The SBMD views contain the SQL script for almost all fields included in the data warehouse, but not all. Some data elements require the use of data warehouse longitudinal data which does not exist in dataLink. Other fields are complex by nature and inhibit the performance of the dataLink view. The fields not included in the SBMD views are reengineered by Data Services for inclusion in the data warehouse.

How do I gain access to the SBMD View Scripts?

Colleges would like to use the SBMD views to understand the data transformations as well as to execute earlier in the quarter for preliminary analysis.

Data Services has developed the following approach for delivering the SBMD View Scripts to colleges. Note that there are three areas that will likely require modifications to the view scripts in order to create them in the local colleges databases. See the following section for a description of each.

SBCTC Data Services will deliver a new table in each college's Oracle dataLink database.

- SBMD.SBMD_OBJECT_CODE

The table will include the View Name, SQL Script and Date Updated. This table will be updated nightly to keep the view script aligned with the actual SBMD views used by SBCTC.

How do I know if a change has been made to the view script?

SBCTC Data Services will announce any changes to the SBMD View Scripts to the dataLink and Researcher list serves. Data Services is currently working to automate the announcement of changes. The email will only include a list of changed objects without explanation of the change.

Additionally, the SBMD.SBMD_OBJECT_SCRIPTS view includes the UPDATE_DATE field that indicates the last time the SBMD view code was modified by SBCTC.

Modifications to SBMD Views Needed to Execute at the College Level

Below are considerations of possible modifications needed to the SBMD views to execute locally.

GGVWs

The actual SBMD views reside in the SBCTC Oracle dataLink database that contains all college's data. Each college has access to an Oracle dataLink database that is filtered to contain only that college's data. For the tables that must be filtered (includes an EMPLID field) but do not contain the Institution/Business Unit field, a view is created to restrict the EMPLID to only those that are found associated to the Institution. These views include all fields from the underlying table and their names end with "GGVW". "GGVW" stands for "Golden Gate View". Golden Gate is the replication software used to replicate the data from within the ctcLink system to the Oracle dataLink databases.

Because the State Board has access to all colleges data, GGVWs are not used in the SBMD views. Depending upon the local configuration of the tables, the SBMD view script may need to be modified to include the GGVW name.

Friendly Table Names vs PeopleSoft Table Names

Some colleges have chosen to use friendly table names in the local databases. The SBMD views use the PeopleSoft table names. College may need to modify the SBMD view scripts to align with their local table names.

Translation of PL/SQL (Oracle) to t-SQL (MSSQL)

PL/SQL and t-SQL are very similar but have minute differences that will need to be corrected before a view created in Oracle can be deployed to MSSQL.



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Washington State Board for Community and Technical Colleges