
Title: Using the Database Crosswalk
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Revision History

Ver No.	Date of Release	Prepared or Updated By	Reviewed By	Summary of Changes
1.0	01/15/2007	Sherry Schnebly	Kelly Smith	Original Document
1.4	05/16/2007	Sherry Schnebly	Kelly Smith	Updated doc to correspond with db changes suggested by TTT's. Primary change is to add the SQL crosswalk.

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Introduction

The purpose of the Database Crosswalk is to provide a tool to locate tables and fields for developing reports against the new SQL database in the re-hosted environment. The tool is developed using Microsoft Access and includes a crosswalk of information from the HP Image database to the re-hosted SQL database.

Using the Switchboard

When the Database Crosswalk is opened, the user is presented with a switchboard for easy navigation. Currently there are five options on the switchboard. As other needs are identified additional options may be added to the switchboard.

Option 1 – Search by HP3000 Database Components

Select **Option 1** if you know the HP3000 tables you previously used to create reports but don't know the new corresponding SQL tables and fields. This option will list all the new SQL tables and fields available for report development.

Option 1:

- 1) Click here to lookup HP3000 Databases, Datasets, and Data Elements and cross reference to the new SQL Environment



This option will also help familiarize the user with all available tables and fields.

1. The following form is displayed.
2. From the dropdown list, select the primary application area you want to work with when you begin building your report.

Application/Database Crosswalk for HP3000

Select the Application you are looking for from the dropdown list below

	▼
AID	▲
ALL	☰
CEI	
COL	
CSM	
DICT	
FAE	
FMS	▼

How to see available tables

3. Once the application is selected, a list of databases will appear. These are the databases that were available in the HP3000 environment. The HP3000 database naming conventions no longer exist in the SQL environment. Instead all tables reside in a single database.
4. Double click any of the databases (DB not the DB Title) to see the HP3000 datasets (tables).

Application/Database Crosswalk for HP3000

Select the Application you are looking for from the dropdown list

SMS

Available Databases on the HP3000

**** Double click on a database below to see available tables**

DB	DB Title
▶ ADM	Admissions
CA	Customer Accounts
KSAM	KSAM Files
MAGWL	Waitlist Database
RPT	Report
SM	Student Management System
TBL3	Table 3
TBL4	Table 4
TRAN	Transcript
TRNS	Transaction
TRNSFR	Transfer-in Transcript

- Once displayed **Double click** any of the HP3000 tables to see the new SQL table names and associated available fields.

Available Tables

**** Double click on a table below to see the new SQL table**

HP3000 Database

Tables

ADMIN-UNIT-D
ADMIN-UNIT-M
ADV-D
ALLOC-GRP-D
ALT-ADDR-M
APPROVE-PRG-M
APPT-D
ATTND-D
CLASS-CLUSTER-M
CLASS-D
CLASS-FEAT-D
CLASS-PARTN-D
CLASS-RPT-GRP-D
CONSTR-CLUSTER-M
CONSTR-D
CONSTR-FEAT-D
CONST-RM-PARTN-D

TIP: If the existing HP3000 table was split during the conversion the new SQL table will be listed in the field called **“New Split Table”**. See example below.

Split Table Example:

Available Fields			Return to Tables
This is the SQL Table you are looking for:			<input type="text" value="STU_D"/>
SQL Field	SQL Type	New Split Table	
ABBR_LAST_NAME	char(6)		
ACAD_DISAD_IND	char(1)	STU_D_BIO	
ADM_NUM	char(5)	STU_D_APP	
ADM_STAT	char(1)	STU_D_APP	
ADV_ID	char(4)		
APP_RCPT_DATE	smalldatetime	STU_D_APP	
BA_GRAD	char(1)	STU_D_APP	
BAD_ADDR_CD	char(2)		
BIRTH_DATE	datetime		
BRANCH	-		
BRANCH_1	char(1)	STU_D_APP	
BRANCH_2	char(1)	STU_D_APP	
CENSUS_HISP_CD	char(3)	STU_D_BIO	
CENSUS_RACE_CD	char(3)	STU_D_BIO	
CENSUS_RACE_CD2	char(3)	STU_D_BIO	
CITZ_STAT	char(2)		
CLVL_CR_EARN	numeric(5,1)	STU_D_CUMS	
CLVL_GPA	numeric(4,2)	STU_D_CUMS	
CLVL_GPA_CR	numeric(5,1)	STU_D_CUMS	
CLVL_GR_PTS	numeric(7,1)	STU_D_CUMS	
CUM_CR_EARN	numeric(5,1)	STU_D_CUMS	

Option 2 – Primary and Foreign Key in the SQL Database

The Database Crosswalk also provides a way to look up SQL primary keys and find related SQL foreign keys for linking between tables.

2) [Click here to lookup Primary and Foreign Keys in the new SQL Environment](#)

[OPEN](#)

Once you know the new SQL table name (found by using Option 1), you can use **Option 2** to look up primary and foreign keys to use when joining (linking) multiple tables together.

TIP: If no primary or foreign key is listed for the table you are working with go to **Option 3** for help with linking between tables.

Primary Key and Foreign Key Lookup

Select the SQL table from the dropdown list

ACCT_SUMMARY_M

[Return to Main Switchboard](#)

Primary Key

AS_APPR_INDX

Foreign Keys and Tables

	Foreign Key SQL Table	Foreign Key
▶	LEDG_REF_D	AS_APPR_INDX
	ACCT_BDGT_XREF_D	AS_APPR_INDX
	GL_ARCHV_KEY_M	AS_APPR_INDX
*		

Option 3 – Search for SQL Fields and Related Tables

Option 3 allows you to enter a portion of the field name you are looking for. For example, if you know the old field name had the word **PAY** in it, enter **PAY** and click the run button. A list will be returned with all SQL field names containing the word or letters **PAY**.

3) Click here to search for SQL Field names

[OPEN](#)

This option will also help you find tables with matching SQL fields and associated tables for help with linking when no primary or foreign key is identified for the table.

TIP: The database is not case sensitive. Upper or lower case letters will return the same result set.

Search for SQL Fields

[Return to Main Switchboard](#)

▶ *Enter any portion of a field name you are looking for and press...*

pay

[Click to run query](#)

Option 4 – Search for Fields - Definitions

Option 4 provides a meaningful list of field descriptions from the HP3000.

4) Click here to search for HP 3000 Field names with descriptions

[OPEN](#)

This option queries the database the same way as Option 3. See the example above for details.

Search for HP3000 Fields and Descriptions
Return to Main Switchboard

▶ *Enter any portion of a field name you are looking for and press...*
Click to Run Query

Option 5 – Search for Renamed Fields

Option 5 provides a list of columns that have been renamed from the HP3000 to the SQL environment. For example the field SEX on the HP3000 is now called GENDER in the SQL database.

5) [Click here to search for HP 3000 Column Renames](#)

OPEN

Because the resulting list is fairly short, this option does not provide a specific field search. The entire list is provided.

Ad Hoc Querying

Ad hoc query writing is also available for those that would prefer that search method. Pressing F11 at the switchboard screen will access the database objects. This document does not provide instructions for ad hoc querying.