

Banner 9

ZSPURGE – Creates a term balance table

ZSPURGE is a process that identifies Early Term Balances for students. It can be run as a cron job or through job submission. For most colleges this process is run as a cron job every night at 10pm during the semester. It will automatically pick up the next term and begin processing based on the start and end dates for each term located in STVTERM. Data will begin being pulled 10 days before the start of the term.

It pulls all students balances using charges from a specific date forward and for a desired term. ZSPURGE populates the tables DTAE.TBALANC and the DTAE.ZSPURGE, which will be pulled by the data center for the needs based funding project.

***ZSPURGE is a duplicate program of the ZSPURGE program. Screen shots in this documentation will sometimes say ZSPURGE, but the same will apply for ZSPURGE. ZSPURGE is used for data collection for the data center; while ZSPURGE handles receivables at the college level.

A one-time setup will need to be done on GTVSDAX for this program. The record has already been added to your table. You will need to go to GTVSDAX > F7 > Enter ZSPURGE in the Group field > F8. Update the External Code field to your college's 3-digit school number and save.

ZSPURGE produces a 'receivables' table based on balances. This also takes into consideration TIV rules for financial aid payments. It checks to see if a charge is institutional before applying TIV financial aid to that balance.

Payments considered include: Payments posted on TSAAREV, Financial Aid Authorizations and Contractor Memos not exempted (Pay Type not E on TSADETC).

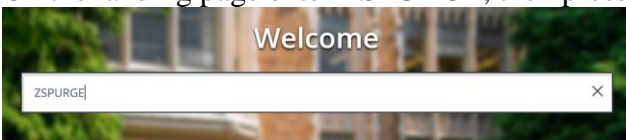
Memos are checked for the expiration date. If the memo has an expiration date and the expiration date is less than the date you are running the report (i.e. the memo has not expired) the memo amount will be considered in the payments.

The student will only appear in this table if the payments and anticipated credits do not cover the term-based fees. **Reminder: TIV rules are followed for TIV payments from TSAAREV and Financial Aid Authorizations.** This could mean that a student could have more payments/credits than term-based fees, but could still be in the table. Usually this would mean that the fees in question are not marked as Institutional on the TSADETC form.

Note 1: Application of Payment processes should be run consistently prior to running ZSPURGE.

Note 2: Data is deleted from the DTAE.TBALANC and DTAE.ZSPURGE table and data is recreated each time the process is run.

On the landing page enter ZSPURGE, then press enter.



In Process Submission select Go

Process: ZSPURGE Parameter Set: ...

Get Started. Complete the fields above and click Go. To search by name, press TAB from an ID field, enter your search criteria, and then press ENTER.

In the Printer Control Section – Enter Database

Alt Page Down to go to next section or click on the down arrow at the bottom of the page.



Enter your Parameter Values. There are no parameters to enter for this process.

PRINTER CONTROL

Printer: DATABASE Submit Time: PDF Font Size: Special Print: MIME Type: (None) Delete After Days: Lines: 55 PDF Font: Delete After Date:

PARAMETER VALUES

Number *	Parameters	Values
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Record 1 of 1

Note:

Only a log file is created for this process

After you have entered your parameters **Alt Page Down** to go to next section or click on the down arrow at the bottom of the page.



Press F10 to save or select the SAVE button at the bottom right corner to run the process.



Once the process is run you will see informational message in the top right corner of your page. It will also identify the sequence number.

ADD RETRIEVE RELATED TOOLS 2

Your request is being processed.

Sequence number is: 874985

To view your .log and .lis file, click the RELATED tab at the top right of the page and then select Review Output [GJIREVO]

ADD RETRIEVE RELATED TOOLS 2

Review Output [GJIREVO]

Click on the ... to view your .log or .lis file.

Your sequence number will be showing. (If the process is complete)

Process: ZSPURGE ... Create ZSPURGE Table Number: 874985 ... Go

File Name: ... Beginning Date: ... Saved

Get Started. Complete the fields above and click Go. To search by name, press TAB from an ID field, enter your search criteria, and then press ENTER.

Available Files

Criteria: ...

Output File Name	Record Count	Date Saved
zspurge_874985.log	12	03/27/2019 07:10:10 A

Record 1 of 1

Cancel OK

You will see your available files.

Select your .log file.


Then click OK

Below is sample output information of your .log file.

This example shows ZSPURGE.log file

To go back and look at the .log file, click the Start Over button on the top right hand corner of the page.

[Start Over](#)

If you click the X at the top left,  you will go back to Process Submission Control GJAPCTL – Process ZSPURGE.

NOTE:

Also, for each student selected on ZSPURGE, it generates a DTAE.TBALANC and DTAE.ZSPURGE record that will be pulled by the data center:

DTAE.TBALANC

TBALANC_PIDM	PIDM (or internal student #) who owes for the current term
TBALANC_TERM_CODE	Current term
TBALANC_HOURS	Billed hours for the current term
TBALANC_FLAG	Commit flag (Y, C, or N)
TBALANC_TYP	Student Type (B, R, H, T, U, etc.)
TBALANC_MAJR	Student's Major 1
TBALANC_CAMP	Student's Campus (from latest SGASTDN Record)
TBALANC_RESID	Student's Residency Code (from latest SGASTDN Record)
TBALANC_SSN	Student's Social Security Number (from SPAPERS)
TBALANC_PHONE	Student's Phone Number
TBALANC_EMAIL	Student's Email Address
TBALANC_SFRWDRL	Does student have a withdrawal record for term? Y = Yes
TBALANC_CHARGES	Sum of charges for term (from TSAAREV)
TBALANC_PAYMENTS	Sum of payments (from TSAAREV)
TBALANC_AUTHS	Sum of authorizations (view on ROASMRY)
TBALANC_MEMOS	Sum of Memos (from TBRMEMO - view on ROASMRY)
TBALANC_TERM_BALANCE	Student's Calculated Balance

Table Changes for ZSPURGE

A new table was added to store data that will be extracted by DPR for the needs based purge project. Analysis will be done on the data in this table.

```
SAISUSR on PRD8 > desc DTAE.ZSPURGE
Name
-----
ZSPURGE_SCH_NUM      NOT NULL NUMBER(3)
ZSPURGE_PIDM         NOT NULL NUMBER(8)
ZSPURGE_TERM_CODE    VARCHAR2(6 CHAR)
ZSPURGE_ENTRY_DATE   DATE
ZSPURGE_ENTRY_TIME   VARCHAR2(15 CHAR)
ZSPURGE_HOURS        NUMBER(5,2)
ZSPURGE_FLAG         VARCHAR2(1 CHAR)
ZSPURGE_TYP          VARCHAR2(1 CHAR)
ZSPURGE_MAJR         VARCHAR2(4 CHAR)
ZSPURGE_CAMP         VARCHAR2(4 CHAR)
ZSPURGE_RESD         VARCHAR2(4 CHAR)
ZSPURGE_ID           NOT NULL VARCHAR2(9 CHAR)
ZSPURGE_PHONE        VARCHAR2(18 CHAR)
ZSPURGE_EMAIL        VARCHAR2(50 CHAR)
ZSPURGE_SFRWDRL      VARCHAR2(1 CHAR)
ZSPURGE_CHARGES      NUMBER(9,2)
ZSPURGE_PAYMENTS     NUMBER(9,2)
ZSPURGE_AUTHS        NUMBER(9,2)
ZSPURGE_MEMOS        NUMBER(9,2)
ZSPURGE_TERM_BALANCE NUMBER(9,2)
ZSPURGE_CUM_GPA      NUMBER(4,2)
ZSPURGE_GRAD_DATE    DATE
ZSPURGE_TOT_FA       NUMBER(9,2)
ZSPURGE_TOT_MEMOS    NUMBER(9,2)
ZSPURGE_TOT_PAYMENTS NUMBER(9,2)
ZSPURGE_TOT_REVENUE  NUMBER(9,2)
```

Table Changes

A new field (ZSPURGE_EVER_ENROLLED) was added to the DTAE.ZSPURGE table to handle students with balances that have never been enrolled for the term. The students may owe an application/graduation fee or some other fee, but did not enroll for the term.

```
SAISUSR on PRD8 > desc DTAE.ZSPURGE
Name
-----
ZSPURGE_SCH_NUM      NOT NULL NUMBER(3)
ZSPURGE_PIDM         NOT NULL NUMBER(8)
ZSPURGE_TERM_CODE    VARCHAR2(6 CHAR)
ZSPURGE_ENTRY_DATE   DATE
ZSPURGE_ENTRY_TIME   VARCHAR2(15 CHAR)
ZSPURGE_HOURS        NUMBER(5,2)
ZSPURGE_FLAG         VARCHAR2(1 CHAR)
ZSPURGE_TYP          VARCHAR2(1 CHAR)
ZSPURGE_MAJR         VARCHAR2(4 CHAR)
ZSPURGE_CAMP         VARCHAR2(4 CHAR)
ZSPURGE_RESD         VARCHAR2(4 CHAR)
ZSPURGE_ID           NOT NULL VARCHAR2(9 CHAR)
ZSPURGE_PHONE        VARCHAR2(18 CHAR)
ZSPURGE_EMAIL        VARCHAR2(50 CHAR)
ZSPURGE_SFRWDRL      VARCHAR2(1 CHAR)
ZSPURGE_CHARGES      NUMBER(9,2)
ZSPURGE_PAYMENTS     NUMBER(9,2)
ZSPURGE_AUTHS        NUMBER(9,2)
ZSPURGE_MEMOS        NUMBER(9,2)
ZSPURGE_TERM_BALANCE NUMBER(9,2)
ZSPURGE_CUM_GPA      NUMBER(4,2)
ZSPURGE_GRAD_DATE    DATE
ZSPURGE_TOT_FA       NUMBER(9,2)
ZSPURGE_TOT_MEMOS    NUMBER(9,2)
ZSPURGE_TOT_PAYMENTS NUMBER(9,2)
ZSPURGE_TOT_REVENUE  NUMBER(9,2)
ZSPURGE_EVER_ENROLLED VARCHAR2(1 CHAR)
```

Troubleshooting –

When the upgrade for this program is applied, your BPL will run a script that will create the new DTAE.TBALANC table. If for any reason this table gets dropped/deleted from your system, you will receive the following error message in the logfile when you try to run ZSPURGE.

```
pidm=  
paragraph = 2000  
You have encountered an ORACLE error.  
SQLCODE: -0000000942  
Message: ORA-00942: table or view does not exist
```

```
DTAE.TBALANC table missing  
BPL must run rebuild_tbalanc.sql script
```

If you receive this error, your BPL must run the rebuild script. The instructions on how to run the BPL script are below. You will need to provide these instructions to your BPL in order to correct the error listed above.

If you receive the following error message:

```
Incorrect/No Control Record Found. Go to GTVSDAX
```

Please refer to the one-time setup instructions at the top of this document. This error means that there is not control record for ZSPTERM on GTVSDAX, OR you have not updated your 3-digit school code. School codes are unique to the school, but MUST be > 800.

If you receive this error in your .log file:

```
You have encountered an ORACLE error.  
SQLCODE: -0000002112  
Message: SQL-02112: SELECT..INTO returns too many rows
```

This error means that there is more than one control record for ZSPTERM on GTVSDAX. You can only have one control record. Go to GTVSDAX > F7 > Enter ZSPTERM in the Group field > F8. Then delete one of the records from Banner and hit F10 to Save.

NOTE: Make sure that the record that is left contains your correct school code.

For the BPL:

This script will create the DTAE.TBALANC table, will grant select, update, insert, and delete to PUBLIC for the DTAE.TBALANC table, and will then delete the jobsub control record for the ZSPTERM program.

As saturn:

```
sqlplus saturn/yourpassword @/u01/app/banner/PROD/tcsg/general/misc/rebuild_tbalanc.sql
```

```
SQL*Plus: Release 11.2.0.3.0 Production on Tue Nov 3 10:51:27 2015
```

```
Copyright (c) 1982, 2011, Oracle. All rights reserved.
```

```
Connected to:
```

```
Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production  
With the Partitioning, OLAP, Data Mining and Real Application Testing options
```

```
Table created.
```

```
Grant succeeded.
```

Grant succeeded.

Grant succeeded.

Grant succeeded.

0 rows deleted.

Disconnected from Oracle Database 11g Enterprise Edition Release 11.2.0.3.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
PRD8:awhite@creole:/u02/app/Dtae/Menu/Mods:\$

Additional Information:

With this upgrade a script will also be provided to your BPL that will provide you a list of all your pop sels that use the TBALANC table. ALL POP SELS WILL HAVE TO BE UPDATED TO CHANGE THE NAME TO DTAE.TBALANC.

As Saturn:

```
sqlplus saturn/yourpassword @/u01/app/banner/PROD/tcsg/general/misc/tbalanc_pop_sels.sql
```

This will produce a file /tmp/tbalanc_popsels.lst

The file will look something like this:

GLBEXTR_SELECTION	GLBEXTR_USER_ID	GLBEXTR_AP
TBALANC	ODAVIS	AR
TBALANC	SAISUSR	AR
TBALANC_HS_STDS	SAISUSR	AR
TBALANC_NO_CAMPUS	SAISUSR	AR
BALANCE	WHICKS	FINAID

The DTAE.ZSPURGE table is created with the following script:

```
/u01/app/banner/PROD/tcsg/general/misc/create_dpr4_zspterm_table.sql
```

If at any time this table changes, this script should be modified for any changes.