BRAMS to SAP View Extracts
Install and User Guide
Attribute Views Update

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1.0 Introduction

The purpose of this document is to provide Brisbane City Council with supporting documentation to accompany some scripts and views that have been developed to meet and outstanding data need. This document should be read in its entirety prior to running the items that it supports. It provides brief instructions on how to install and use the requested items.

The scripts create the items that were requested in:

BCC-PR-00V01-BRAMS_to_SAP_Veiw_Extracts_Enhancement which were based on the view extract section of AIM - System - BRAMS - BRAMS to SAP View Extracts - Requirements Specification v1.3.pdf

When installed the user will have access to the updated Attribute view package.

2.0 Description of Solution

Bentley Systems has developed views and a custom script to provide a solution to meet the requirements discussed above.

3.0 Deliverable Details

Bentley has created an installation process to install the necessary objects.

3.1 Attribute View Procedure

- XBCC_EQUIP_ATTR_VIEWS.P_PROCESS()
  - This item has two optional parameters; these parameters were added to allow user to run one particular attribute or to allow the user to run a group of attributes that have not been updated yet.
  - Inputs
    - s_primary_view
      - run only one item from the xbcc_eav_input table
      - default: %
        - Runs all items
    - d_last_ran_before
      - Run only items from xbcc_eav_input that have not been run after the supplied date.
      - Default: 01JAN9999
        - Updates all items
    - d_start_date
      - Sets the beginning effective date range
      - default: sysdate
    - d_end_date
      - Sets the ending effective date range.
      - Must be equal or greater than d_start_date
      - default: d_start_date
  - Usage:
    - Exec XBCC_EQUIP_ATTR_VIEWS.P_PROCESS;
      - Runs all items found in xbcc_eav_input for the effective date of today
    - Exec XBCC_EQUIP_ATTR_VIEWS.P_PROCESS (s_primary_view=> ‘my input name’);
      - Runs the item found in xbcc_eav_input with a Matching name in the column: XBCC_EAV_INPUT.PRIMARY_VIEW
      - This parameter is case sensitive
    - Exec XBCC_EQUIP_ATTR_VIEWS.P_PROCESS(d_last_ran_before=>to_date(‘2014.01.01’, ‘RRRR.MM.DD’));
      - Runs all the items in xbcc_eav_input where XBCC_EAV_INPUT.LAST_COMPLETE < d_last_ran_before
      - Null values in XBCC_EAV_INPUT.LAST_COMPLETE as interpreted as the date 1801.01.01.

- Exec XBCC_EQUIP_ATTR_VIEWS.P_PROCESS(d_start_date=>to_date('2013.01.01', 'RRRR.MM.DD');
  - This would return items that had effective dates equal to the start date supplied.

- Exec XBCC_EQUIP_ATTR_VIEWS.P_PROCESS(d_start_date=>to_date('2013.01.01', 'RRRR.MM.DD'), d_end_date=>to_date('2014.01.01', 'RRRR.MM.DD'));
  - This would return items that had effective dates between the start and end dates supplied.

- This item has a slight deviation from version 1.3 of the original specification to be in line with the SAP integration project. Median NETWORK_PRIMARY_ID is now:
  - 900000000 + RDCO's ne_id

- XBCC_EAV_INPUT
  - This table is used to hold the values for attributes that will be created using XBCC_EQUIP_ATTR_VIEWS
    - It has the following Columns
      - Primary_View
        - This holds the name of the output table to be created. It is expected to conform to oracle naming constraints and be no longer than 26 characters long.
          - An example could be
            - XBEX_ASOW_ROAD
        - An invalid name will cause the procedure to produce an error.
        - Once the procedure has been ran, the output can be accessed by:
          - Select * from [primary_view.value]
          - An example would be
            - Select * from XBEX_ASOW_ROAD;
      - BRAMS_Asset
        - The BRAMS asset to be outputted
          - Examples would be
            - ASOW
            - KERB
            - PAVE
            - OPDN
        - An invalid name will cause the procedure to produce an empty table.
      - Network
        - The BRAMS Network that the asset is ran against
          - Examples would be
            - RDCO
            - MED
              - This is nonexistent in BRAMS and is based on the RDCO network
            - VECO
            - KCOR
        - An invalid name will cause the procedure to produce an error.
      - XSP
        - If only certain Cross-sections should be used when the asset is examined. A comma separated list is expected in this field.
          - An example could be:
            - XCS,XCE1,XCO1
          - Single quotes are not expected to be used
        - An invalid name will cause the procedure to produce an empty table.
      - Last_complete
        - This field is populated when a row in the table successfully processes.
- XBCC_EAV_TEMP
  - This table is created at run time to help reduce the temp space required.

- XBCC_EQUIP_ATTR_VIEWS_ESUR
  - This is a materialized view to help link the survey data and to help reduce the temp space required. This materialized view is refreshed once during runtime.

4.0 Installing the Objects

A script has been provided to install the objects and all of its dependencies to the database.

The script can be located in: <extraction Folder>\ *install.sql*
Open a command window and navigate to the extraction directory.
Then script should be ran from SQLPLUS while logged in as the higowner, in this case BRAMS_OWNER and the following command should be used:

start install.sql

After installation please review the log file that is created during the installer process for errors. This log file will be in the extraction directory and have a file extension of LOG.

5.0 Uninstalling the Objects

A script has been provided to remove the objects and all of its dependencies from the database.

The script can be located in: <extraction Folder>*uninstall.sql*
Open a command window and navigate to the extraction directory.
Then script should be ran from SQLPLUS while logged in as the higowner, in this case BRAMS_OWNER and the following command should be used:

start uninstall.sql

6.0 Summary and Conclusion

The objects created by this installation will meet the requirements that have been outlined in:

BCC-PR-00V01-BRAMS_to_SAP_Veiw_Extracts_Enhancement

Once the objects are loaded, it is up to the user to extract the data or created a job schedule based on the examples given in this document.