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rem
rem      Script:      FixProfileXmlFromCache.sql
rem      Author:      Original taken somewhere (Kerry Osborne or Carlos Sierra Or Aziz
rem                  Cherrabi)
rem                  and updated by Mohamed Hourri to consider hints > 500 bytes
rem                  and avoid ORA-06502
rem      Dated:       September 2016
rem      Purpose:     Transfer an execution plan of (hinted_sql_id) to a packaged query
rem
rem
rem      Last tested
rem                  12.1.0.2
rem
rem      Usage:
rem      SQL> @fixProfilefromCache
rem                  Enter value for sql_id_from: 2w9a295mxcjgx
rem                  Enter value for child_no_from: 0
rem                  Enter value for sql_id_to: addzft9frsckw
rem                  Enter value for sql_id_to: addzft9frsckw
rem                  Enter value for sql_id_to: addzft9frsckw
rem      Notes : any feedback will be highly appreciated
rem
declare
  ar_profile_xml clob;
  cl_sql_text clob;
begin
-- get sql_id_from information
--
  select
    regexp_replace(other_xml,'.*(<outline_data>.*</outline_data>).*','\1')
    into ar_profile_xml
  from
    gv$sql_plan
  where
    sql_id = '&sql_id_from'
    and child_number = &child_no_from
    and other_xml is not null
    and rownum =1;

-- get information of sql_id_to
-- use gv$sql instead of g$sqlstats
-- to avoid query text being truncated when it is very big
begin
  select
    sql_fulltext into cl_sql_text
  from
    gv$sql
  where
    sql_id = '&sql_id_to';
exception
  when NO_DATA_FOUND then
    select
      sql_text into cl_sql_text
    from
      dba_hist_sqltext
    where
      sql_id = '&sql_id_to'
      and dbid = (select dbid from v$database);
end;
-- fix Profile
dbms_sqltune.import_sql_profile(
  sql_text => cl_sql_text ,
  profile_xml => ar_profile_xml ,
  name => 'profile_'||'&sql_id_to'||'_attach' ,
  category => 'DEFAULT' ,
  replace => true ,
  force_match => TRUE
);
end;
/

```