AUTOMATIZACION DE ESTADISTICAS

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--------------------------------------------------------------------------------
-- 1 Automatizando la creación de estadísticas de schema user_00
--------------------------------------------------------------------------------
BEGIN
DBMS_SCHEDULER.CREATE_JOB(
job_name  => 'JOB_SCHEMA_STAT',
job_type  => 'PLSQL_BLOCK',
job_action  => 'BEGIN  DBMS_STATS.GATHER_SCHEMA_STATS (''USER_00''  ); END ;',
start_date  => SYSDATE,
enabled  => true,
repeat_interval  => 'FREQ = MINUTELY; INTERVAL = 1');
END;


-- 2 Lista de Jobs
SELECT * FROM DBA_SCHEDULER_JOBS;


-- 3 Histórico de ejecuciones del Job
Select run_count, to_char(last_start_date,'dd-mm-yyyy hh:mi') FECHA,
last_run_duration DURACION
from dba_scheduler_jobs where owner='USER_00'
and job_name ='JOB_ACTUALIZA_STAT';


-- 4 Crearemos una nueva Tabla para verificar que las estadísticas se actualizan
CREATE TABLE Curso ( id integer , curso char(100));


INSERT INTO CURSO
SELECT LEVEL , 'CURSO'|| LEVEL FROM DUAL
CONNECT BY LEVEL <= 50000;


COMMIT;


SELECT count(*) FROM CURSO;
-- Luego de 1 minuto se debe actualizar las estadísticas
SELECT table_name , num_rows FROM user_TABLES;


select table_name , column_name , num_distinct  from  dba_tab_columns
where table_name in ( 'CURSO');


BEGIN
DBMS_SCHEDULER.CREATE_JOB(
job_name  => 'JOB_INDEX_STAT',
job_type  => 'PLSQL_BLOCK',
job_action  => 'BEGIN  DBMS_STATS.GATHER_SCHEMA_STATS (''USER_00'' ,
''IDX_PERSONAX''  ); END ;',
start_date  => SYSDATE,
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enabled  =>  true,
repeat_interval  =>  'FREQ = MINUTELY; INTERVAL = 1');
END;


-- 5 MODIFICANDO LA SECUENCIA DE TIEMPOS
BEGIN
DBMS_SCHEDULER.SET_ATTRIBUTE('JOB_SCHEMA_STAT',
'REPEAT_INTERVAL','FREQ = DAILY; BYHOUR = 22');
END;


-- 6 ELIMINAR UN JOB
BEGIN
DBMS_SCHEDULER.DROP_JOB('JOB_SCHEMA_STAT',TRUE);
END;
      -- Generamos nuevamente el ejercicio...
```