

My notes on Oracle Synonyms

#	Description	Command / Details / Screenshots
1	What is a oracle Synonym?	It is an shortcut / alternate name of a table, view, operator, stored function, package, operate etc in oracle schema. Read More...
2	How to create a synonym?	To create a synonym, user must have "CREATE SYNONYM" system privilege. Create synonym e for emp; OR Create synonym e for scott.emp <pre>SQL> show user USER is "MM" SQL> desc e ERROR: ORA-04043: object e does not exist SQL> desc scott.emp; Name Null? Type ----- EMPNO NOT NULL NUMBER(4) ENAME VARCHA2(10) JOB VARCHA2(9) MGR NUMBER(4) HIREDATE DATE SAL NUMBER(7,2) COMM NUMBER(7,2) DEPTNO NUMBER(2) SQL> create synonym e for scott.emp; Synonym created. SQL> SQL> desc e Name Null? Type ----- EMPNO NOT NULL NUMBER(4) ENAME VARCHA2(10) JOB VARCHA2(9) MGR NUMBER(4) HIREDATE DATE SAL NUMBER(7,2) COMM NUMBER(7,2) DEPTNO NUMBER(2) SQL> █</pre>
3	How to check for a synonym?	Use dba_synonyms <pre>SQL> desc dba_synonyms Name Null? Type</pre>

		<pre> ----- OWNER NOT NULL VARCHAR2 (30) SYNONYM_NAME NOT NULL VARCHAR2 (30) TABLE_OWNER VARCHAR2 (30) TABLE_NAME NOT NULL VARCHAR2 (30) DB_LINK VARCHAR2 (128) </pre>
4	When the underlying table on which synonym is created is dropped, will it also drop the synonym?	Yes, it will make the synonym invalid.
5	How to check the status of a synonym?	<pre> set linesize 200 col owner format a10 col object_name format a10 Select owner, object_name, status from dba_objects where owner='MM' and object_name='E' and object_type='SYNONYM'; </pre> <pre> SQL> set linesize 200 col owner format a10 col object_name format a10 Select owner, object_name, status from dba_objects where owner='MM' and object_name='E' and object_type='SYNONYM'; SQL> OWNER OBJECT_NAM STATUS ----- MM E VALID </pre>

6		How to extract synonym DDL from an Oracle schema?
6	How to drop a synonym?	<code>Drop synonym mm.e;</code> Where MM is the owner of the synonym
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		

Hope this helps.

Moid Muhammad