SQLcillin GL Installation

DBSecWorx SQLcillin GL, Licensing Information User Manual SQLCGL20200702.

SQLcillin GL Installation

Product Download

Each copy of SQLcillin GL is customized to be installed on only a single Oracle Database DBID. It will not install or run on any Oracle database with a different DBID.

After you have provided a database DBID to DBSecWorx you will be notified when your installation file is ready for download. We will email your designated contact with a URL, accessible with a web browser, specific to your order. The web page will contain any special instructions not included in this Worksheet.

Be sure to verify the DBID listed on the download page is the DBID of the database on which you plan to perform the installation.

Click on the page's [DOWNLOAD] link and save your file to a directory on your workstation or laptop.

Pre-Installation

Prior to installation of **SQLcillin GL** we recommend that you log onto your Oracle Database as SYSDBA using SQL*Plus and execute the following commands.

```
SQL> SELECT sys_context('USERENV', 'ISDBA') FROM dual;
```
You must have SYSDBA privileges to proceed with installation.

```
SQL> SELECT dbid FROM FROM v$database;
```
Verify that the DBID matches the one contained in the name of the download file. If it does proceed, if it does not log out of the database you are in and log into the correct database.

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```
SQL> SELECT *
  2  FROM system_privilege_map
  3  WHERE name = 'ADMINISTER DATABASE TRIGGER';
```
Your database must support the ADMINISTER DATABASE TRIGGER system privilege.

```
SQL> SELECT object_name, object_type
  2  FROM dba_objects
  3  WHERE owner = 'SYS'
  4  AND object_name LIKE 'SQLCGL%';
```
If objects named SQLCGLI, SQLCGLP, or SQLCGLT exist in your database they will be overwritten during installation. Contact DBSecWorx support if a conflict exists with any objects already present in your database before you proceed.

```
SQL> SELECT COUNT(*) FROM dba_objects WHERE status = 'INVALID';
```
An Oracle Database should never contain INVALID objects but if yours does, and you do not wish to correct that at this time record the owner, name, and object type of each invalid object as you will need that information for the Post-Installation steps.

Note: There is nothing in SQLcillin GL, or its installation, that has ever invalidated an object but part of our responsibility as a Partner is to watch out for your best interests.

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Installation

Step 1: In the operating system shell make a secure copy the installation file to a staging directory on the server hosting the database with the DBID matching your order and the one embedded in the file name.

Step 2: Unzip the installation file into the staging directory. The file will contain a single file named **ebgl_<your dbid number>.plb**.

Step 3: In SQL*Plus, as the user SYS run the .plb file substituting the file system location of your staging directory and your DBID number for the one in the following example.

```
SQL> @/home/oracle/ebgl_1262297360.plb
```

Step 4: Verify the script created a store procedure named ebgli in your Oracle database

```
SQL> SELECT owner, object_type, status
  2  FROM dba_objects
  3  WHERE object_name = 'EBGLI';

OWNER                           OBJECT_TYPE                STATUS
------------------------------- -------------------------- -------
SYS                             PROCEDURE                  VALID
```

The output from this query must match the output shown in the example above. If it does not contact DBSecWorx support.

Step 5: Run the ebgli procedure

```
SQL> exec ebgli

PL/SQL procedure successfully completed.
```

If the procedure does not execute successfully check your database alert log for additional information.

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Post-Installation

Verify that the four objects created by SQLcillin GL are present and valid.

```
SQL> SELECT object_name, status, last_ddl_time
  2  FROM dba_objects
  3  WHERE object_name LIKE 'EBGL_'
  4  AND owner = 'SYS'
  5  ORDER BY 3;

OBJECT_NAME                       STATUS   LAST_DDL_TIME
------------------------------    -------  --------------------
EBGLI                             VALID    16-JUN-2019 09:46:21
EBGLT                             VALID    16-JUN-2019 09:46:25
EBGLP                             VALID    16-JUN-2019 09:46:25
EBGLD                             VALID    16-JUN-2019 09:46:25
```

Verify that the count of invalid objects, if any previously existed, has not changed. If there are any new invalid objects, contact **DBSecWorx** Support and we will assist you in resolving the issue.

```
SQL> SELECT COUNT(*) FROM dba_objects WHERE status = 'INVALID';
```

Support

For a Severity 1 issues, where your database is down or unusable, phone us at country code +1, area code 206, number 669 – 2949.

For other issues please email us: [support (at) dbsecworx (dot) com], put your DBID number into the email header, and for the fastest service attach a screen capture from SQL*Plus illustrating the issue.

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We appreciate your business and look forward to helping you, your team, and your organization protect your data, your databases and fight cybercrime.

Note: If any aspect of this document that is not as clear as it could be please send us an email and help us improve what we do. Thank you.