

Liquidity Management Database Setup  
Oracle Banking Liquidity Management  
Release 14.0.0.0.0  
[November] [2017]



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# 1. LM Database Setup Configuration

## 1.1 Introduction

This chapter details out the configuration of LM Database.

## 1.2 Prerequisites

Ensure that all the following grants are given to the DB schema before running *setup.plb*.

```
grant execute on dbms_sql to <schema_service_name>;
grant execute on dbms_lock to <schema_service_name>;
grant execute on dbms_defer_query to <schema_service_name>;
grant execute on dbms_defer to <schema_service_name>;
grant execute on dbms_defer_sys to <schema_service_name>;
grant execute on dbms_job to <schema_service_name>;
grant execute on dbms_alert to <schema_service_name>;
grant execute on dbms_refresh to <schema_service_name>;
grant execute on dbms_pipe to <schema_service_name>;
grant execute on dbms_shared_pool to <schema_service_name>;
grant execute on dbms_application_info to <schema_service_name>;
grant execute on utl_file to <schema_service_name>;
grant select on v_$process to <schema_service_name>;
grant select on v_$session to <schema_service_name>;
grant select on v_$timer to <schema_service_name>;
grant select on v_$database to <schema_service_name>;
grant select on v_$parameter to <schema_service_name>;
grant select on v_$nls_parameters to <schema_service_name>;
grant select on v_$instance to <schema_service_name>;
grant select on dba_jobs_running to <schema_service_name>;
grant create session to <schema_service_name>;
grant create synonym to <schema_service_name>;
grant execute on dbms_shared_pool to <schema_service_name>;
grant create view to <schema_service_name>;
grant create sequence to <schema_service_name>;
grant create table to <schema_service_name>;
grant create procedure to <schema_service_name>;
grant create trigger to <schema_service_name>;
```

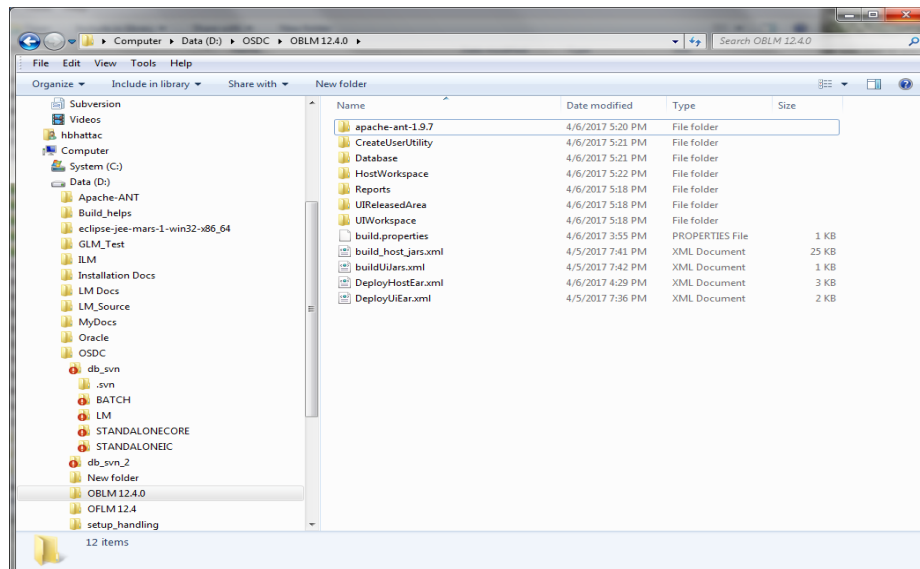
```

grant create type to <schema_service_name>;
grant create library to <schema_service_name>;
grant create database link to <schema_service_name>;
grant select on v_$instance to <schema_service_name>;
grant create any synonym to <schema_service_name>;
grant select any table to <schema_service_name>;
grant execute on dbms_shared_pool to <schema_service_name>;
grant all on dbms_aqadm to <schema_service_name>;
grant all on dbms_aq to <schema_service_name>;
grant aq_administrator_role to <schema_service_name>;
grant aq_user_role to <schema_service_name>;
grant imp_full_database to <schema_service_name>;
grant execute on dbms_monitor to <schema_service_name>;

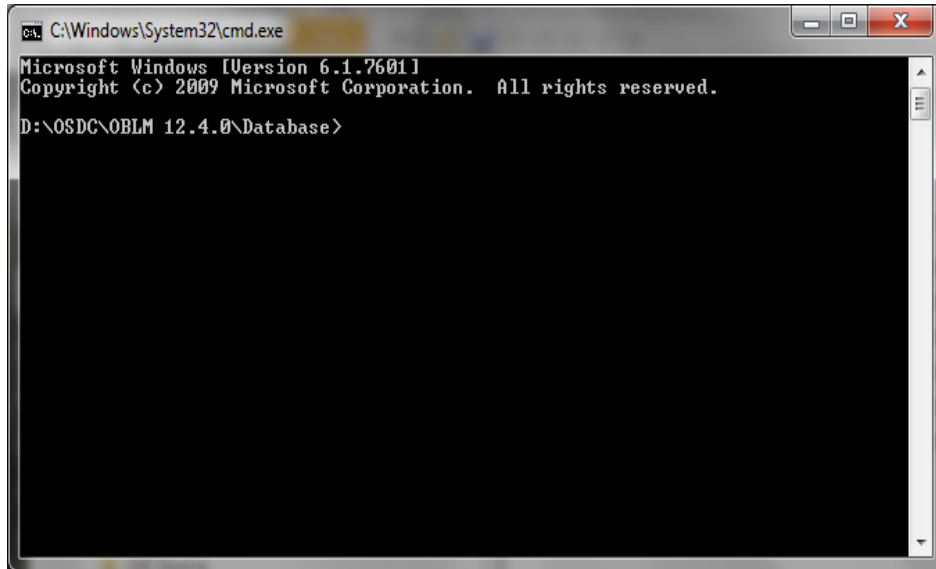
```

## 1.3 Steps to be followed

1. Select to the Database folder present in the OSDC Package



2. Right Click and Select the “**CMD Prompt Here as Administrator**” to open the Command Prompt



```
ca C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
D:\OSDC\OBLM 12.4.0\Database>
```

**NOTE:** Linux users open terminal

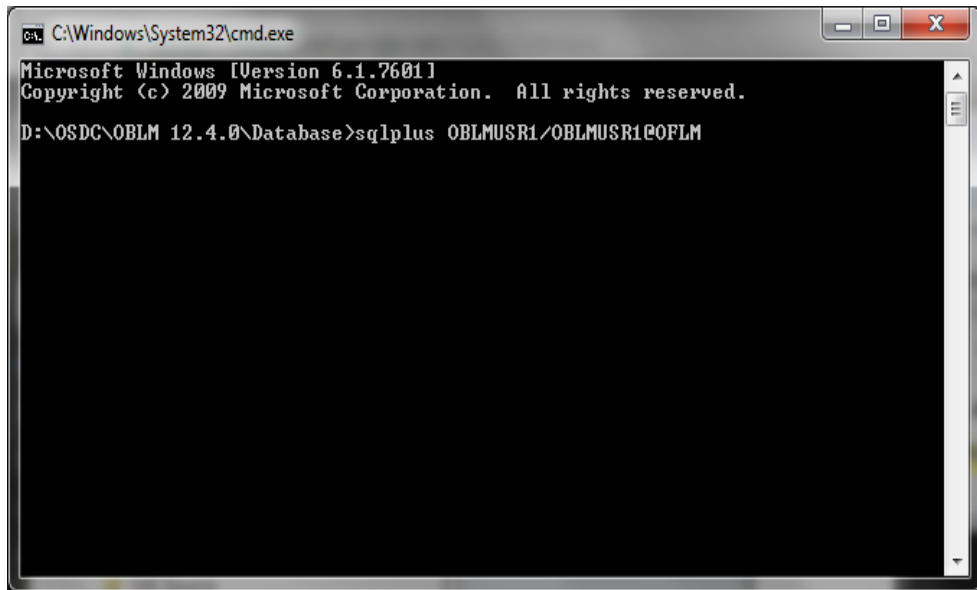


```
infra@whf00brw:~
File Edit View Search Terminal Help
[infra@whf00brw ~]$
```

**3. Run the following command:**

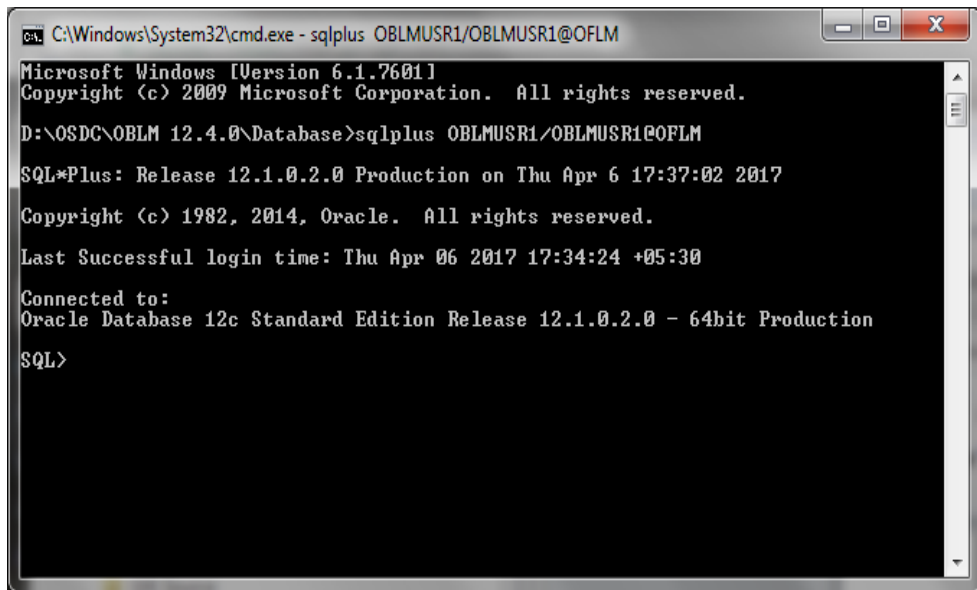
```
sqlplus <username>/<password>@<schema_name>
```

(To run the *sqlplus* command you should have the Oracle Database Client installed in your machine)



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

D:\OSDC\OBLM 12.4.0\Database>sqlplus OBLMUSR1/OBLMUSR1@OFLM
```



```
C:\Windows\System32\cmd.exe - sqlplus OBLMUSR1/OBLMUSR1@OFLM
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

D:\OSDC\OBLM 12.4.0\Database>sqlplus OBLMUSR1/OBLMUSR1@OFLM
SQL*Plus: Release 12.1.0.2.0 Production on Thu Apr 6 17:37:02 2017
Copyright (c) 1982, 2014, Oracle. All rights reserved.

Last Successful login time: Thu Apr 06 2017 17:34:24 +05:30

Connected to:
Oracle Database 12c Standard Edition Release 12.1.0.2.0 - 64bit Production

SQL>
```

**NOTE:** Linux users follow these steps.

- i. For **bash (/bin/bash)** users:
  - a. Export ORACLE\_HOME variable to the path pointing to *client\_1* (for e.g. *.../app/oracle\_client/product/12.1.0/client\_1*) folder of Oracle Database Client installation by executing the following command.  
`export ORACLE_HOME=<path_to_client_1>`



```
infra@whf00brw:~  
File Edit View Search Terminal Help  
[infra@whf00brw ~]$ export ORACLE_HOME=/scratch/app/oracle_client/product/12.1.0  
/client_1  
[infra@whf00brw ~]$ █
```

b. Execute the following command:

```
export PATH=$ORACLE_HOME/bin:$PATH
```



```
infra@whf00brw:~  
File Edit View Search Terminal Help  
[infra@whf00brw ~]$ export ORACLE_HOME=/scratch/app/oracle_client/product/12.1.0  
/client_1  
[infra@whf00brw ~]$ export PATH=$ORACLE_HOME/bin:$PATH  
[infra@whf00brw ~]$ █
```

ii. For **csch (/bin/csh)** users:

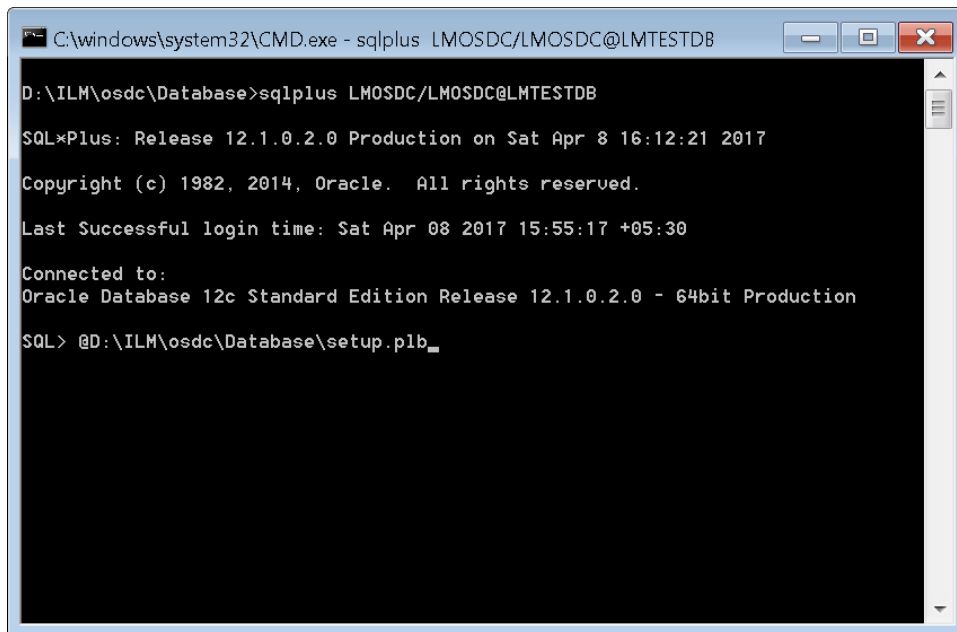
a. Set **ORACLE\_HOME** variable to the path pointing to *client\_1* (for e.g. `.../app/oracle_client/product/12.1.0/client_1`) folder of Oracle Database Client installation by executing the following command.

```
set ORACLE_HOME=<path_to_client_1>
```

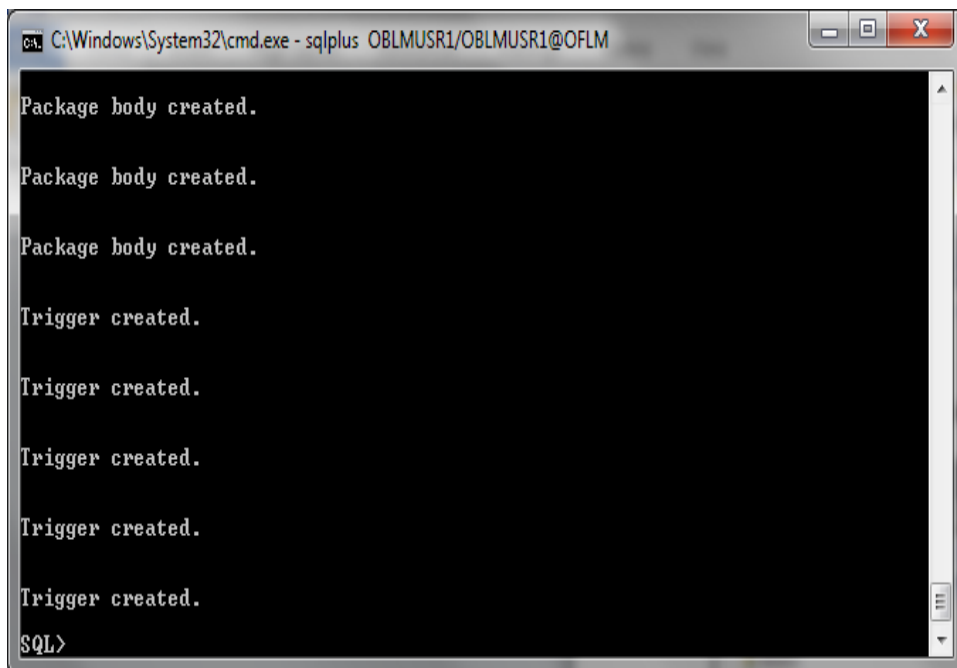
b. Execute the following command:

```
set PATH=%ORACLE_HOME%\bin;%PATH%
```

4. Now execute the setup.plb file by running the following command



```
C:\windows\system32\CMD.exe - sqlplus LMOSDC/LMOSDC@LMTESTDB
D:\ILM\osdc\Database>sqlplus LMOSDC/LMOSDC@LMTESTDB
SQL*Plus: Release 12.1.0.2.0 Production on Sat Apr 8 16:12:21 2017
Copyright (c) 1982, 2014, Oracle. All rights reserved.
Last Successful login time: Sat Apr 08 2017 15:55:17 +05:30
Connected to:
Oracle Database 12c Standard Edition Release 12.1.0.2.0 - 64bit Production
SQL> @D:\ILM\osdc\Database\setup.plb_
```



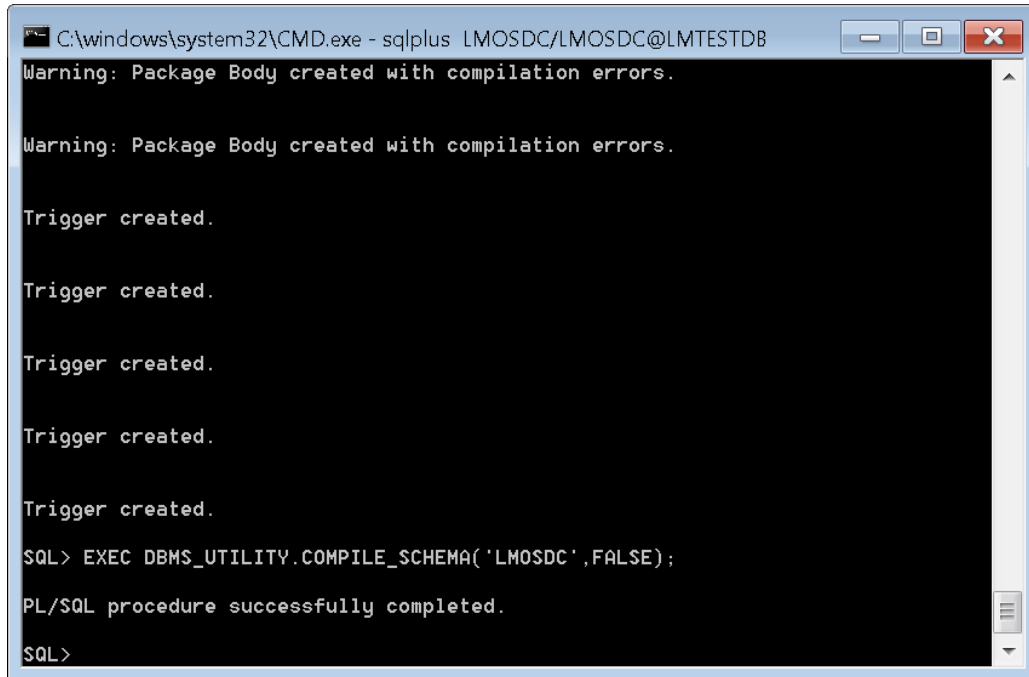
```
C:\Windows\System32\cmd.exe - sqlplus OBLMUSR1/OBLMUSR1@OFLM
Package body created.
Package body created.
Package body created.
Trigger created.
Trigger created.
Trigger created.
Trigger created.
Trigger created.
SQL>
```



5. It would take some time to execute all the scripts.

6. Compile the invalid objects by executing this command

```
EXEC DBMS_UTILITY.COMPILE_SCHEMA('<SCHEMA_NAME>',FALSE);
```



The screenshot shows a Windows command prompt window titled "C:\windows\system32\CMD.exe - sqlplus LMOSDC/LMOSDC@LMTESTDB". The window contains the following text:

```
Warning: Package Body created with compilation errors.  
  
Warning: Package Body created with compilation errors.  
  
Trigger created.  
  
Trigger created.  
  
Trigger created.  
  
Trigger created.  
  
Trigger created.  
  
SQL> EXEC DBMS_UTILITY.COMPILE_SCHEMA('LMOSDC',FALSE);  
PL/SQL procedure successfully completed.  
SQL>
```



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Oracle Financial Services Software Limited  
Oracle Park  
Off Western Express Highway  
Goregaon (East)  
Mumbai, Maharashtra 400 063  
India

Worldwide Inquiries:  
Phone: +91 22 6718 3000  
Fax: +91 22 6718 3001  
[www.oracle.com/financialservices/](http://www.oracle.com/financialservices/)

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