

# 日々是Oracle APEX

Oracle APEXを使った作業をしていて、気の付いたところを忘れないようにメモをとります。

2022年11月22日 火曜日

## Oracle APEXの環境作成(11) - インストールの検証

Oracle APEXとORDSがきちんとインストールできているか確認します。今回作成した環境を前提とします。APEXの環境はユーザーoracleにてインストールを行ったので、作業はユーザーoracleにて実施します。

### APEXのインストールの検証

イントレクション・ガイドの[C.2 Oracle Application Expressインストールの妥当性の検証](#)に記載されているSELECT文を実行します。

APEXをインストールしたPDBであるFREEPDB1にSYSで接続し、以下のSELECT文を実行します。

```
select status from dba_registry where comp_id = 'APEX';
```

```
[opc@apex ~]$ . oraenv
ORACLE_SID = [opc] ? FREE
ORACLE_BASE environment variable is not being set since this
information is not available for the current user ID opc.
You can set ORACLE_BASE manually if it is required.
Resetting ORACLE_BASE to its previous value or ORACLE_HOME
The Oracle base has been set to /opt/oracle/product/23c/dbhomeFree
[opc@apex ~]$ export NLS_LANG=American_America.AL32UTF8
[opc@apex ~]$ sqlplus sys/oracle@localhost/freepdb1 as sysdba
```

```
SQL*Plus: Release 23.0.0.0.0 - Developer-Release on Fri May 19 15:43:40 2023
Version 23.2.0.0.0
```

```
Copyright (c) 1982, 2023, Oracle. All rights reserved.
```

```
Connected to:
Oracle Database 23c Free, Release 23.0.0.0.0 - Developer-Release
Version 23.2.0.0.0
```

```
SQL> select status from dba_registry where comp_id = 'APEX';
```

```
STATUS
-----
VALID
```

```
SQL>
```

STATUSがVALIDであることを確認します。

続いて、SYS.VALIDATE\_APEXを実行します。場合によってはSRに出力結果を添付する場合もあり得るので、NLS\_LANGはAmerican\_America.AL32UTF8で実行します。

**exec sys.validate\_apex**

```
SQL> select status from dba_registry where comp_id = 'APEX';
```

```
STATUS
```

```
-----
```

```
VALID
```

```
SQL> set serveroutput on
```

```
SQL> exec sys.validate_apex
```

```
...(15:45:28) Starting validate_apex for APEX_230100  
...(15:45:29) Checking missing sys privileges  
...(15:45:29) Re-generating APEX_230100.www_flow_db_version  
... www_flow_db_version is up to date  
...(15:45:30) Checking invalid public synonyms  
...(15:45:30) Key object existence check  
...(15:45:30) Setting DBMS Registry for APEX to valid  
...(15:45:30) Exiting validate_apex
```

```
PL/SQL procedure successfully completed.
```

```
SQL>
```

エラーが報告されなければ、問題なくAPEXがインストールされています。

## Oracle REST Data Servicesのインストールの検証

**ords install repair**コマンドを実行します。

**ords --config /etc/ords/config install repair**

```
[opc@apex ~]$ export LANG=C
```

```
[opc@apex ~]$ ords --config /etc/ords/config install repair
```

```
ORDS: Release 23.1 Production on Fri May 19 06:47:24 2023
```

```
Copyright (c) 2010, 2023, Oracle.
```

```
Configuration:
```

```
  /etc/ords/config/
```

```
The configuration folder /etc/ords/config does not contain any configuration files.
```

```
Oracle REST Data Services - Interactive Repair
```

```
Enter a number to select the database connection type to use
```

```
  [1] Basic (host name, port, service name)
```

```
  [2] TNS (TNS alias, TNS directory)
```

```
  [3] Custom database URL
```

```
Choose [1]:
```

```
Enter the database host name [localhost]:
```

```
Enter the database listen port [1521]:
```

```
Enter the database service name [FREE]: freepdb1
```

```
Provide database user name with administrator privileges.
```

```
  Enter the administrator username: sys
```

```
Enter the database password for SYS AS SYSDBA:
```

Connecting to database user: SYS AS SYSDBA url:  
jdbc:oracle:thin:@//localhost:1521/freepdb1

Retrieving information.

Oracle REST Data Services will be validated.

2023-05-19T06:47:58.290Z INFO Repairing Oracle REST Data Services schema  
version 23.1.2.r1151944 in FREEPDB1

```
-----  
Date       : 19 May 2023 06:47:58  
Release    : Oracle REST Data Services 23.1.2.r1151944  
Type       : ORDS Repair  
Database   : Oracle Database 23c Free,  
DB Version : 23.2.0.0.0  
-----
```

Container Name: FREEPDB1  
-----

[\*\*\* script: ords\_alter\_session\_script.sql]

PL/SQL procedure successfully completed.

[\*\*\* script: ords\_version.sql]

Session altered.

PL/SQL procedure successfully completed.

[\*\*\* script: ords\_schema\_mapping.sql]  
INFO: Configuring ORDS\_PUBLIC\_USER to map APEX Workspaces and ORDS schemas

Session altered.

Configuring APEX and ORDS schemas for url mapping  
Made APEX\_PUBLIC\_USER proxiabile from ORDS\_PUBLIC\_USER  
APEX\_REST\_PUBLIC\_USER does not exist  
APEX\_POOL\_CONFIG Synonym exists  
Created ORDS\_METADATA.APEX\_WWV\_FLOW\_POOL\_CONFIG as view over  
APEX\_230100.WWV\_FLOW\_POOL\_CONFIG

PL/SQL procedure successfully completed.

INFO: Completed configuring ORDS\_PUBLIC\_USER to map APEX Workspaces and ORDS  
Schemas

Session altered.

[\*\*\* script: ords\_repair\_proxy\_connect.sql]  
INFO: Checking ords enabled schemas and its proxy user

Session altered.

PL/SQL procedure successfully completed.

[\*\*\* script: ords\_alter\_schema\_no\_auth.sql]

PL/SQL procedure successfully completed.

[\*\*\* script: ords\_migrate\_grant\_priv.sql]  
INFO: Verify if Application Express exists to setup the migration privileges for  
ORDS.  
INFO: Completed setting up the APEX REST migration privileges for ORDS.

PL/SQL procedure successfully completed.

Session altered.

```
[*** script: allow_apex_entry_points.sql]
Found APEX 23.1.0. Migrating APEX entry points to ORDS PL/SQL Procedure Gateway
Allow List
```

PL/SQL procedure successfully completed.

```
[*** script: ords_validate_objects.sql]
INFO: 15:48:02 Validating objects for Oracle REST Data Services.
VALIDATION: 15:48:02 Starting validation for schema: ORDS_METADATA
VALIDATION: 15:48:02 Validating objects
VALIDATION: 15:48:03 Validating roles granted to ORDS_METADATA and
ORDS_PUBLIC_USER
VALIDATION: 15:48:03 Validating ORDS Public Synonyms
VALIDATION: 15:48:04 Total objects: 328, invalid objects: 0, missing objects: 0
VALIDATION: 15:48:04      94  INDEX
VALIDATION: 15:48:04       3  LOB
VALIDATION: 15:48:04      23  PACKAGE
VALIDATION: 15:48:04      22  PACKAGE BODY
VALIDATION: 15:48:04       1  PROCEDURE
VALIDATION: 15:48:04      58  PUBLIC SYNONYM
VALIDATION: 15:48:04       1  SEQUENCE
VALIDATION: 15:48:04      32  TABLE
VALIDATION: 15:48:04      32  TRIGGER
VALIDATION: 15:48:04      20  TYPE
VALIDATION: 15:48:04       6  TYPE BODY
VALIDATION: 15:48:04      36  VIEW
VALIDATION: 15:48:04 Validation completed.
INFO: 15:48:04 Completed validating objects for Oracle REST Data Services.
```

PL/SQL procedure successfully completed.

```
[*** script: ords_alter_session_script.sql]
```

PL/SQL procedure successfully completed.

```
[*** script: ords_version.sql]
```

Session altered.

PL/SQL procedure successfully completed.

```
2023-05-19T06:48:04.315Z INFO          Completed repair for Oracle REST Data Services
version 23.1.2.r1151944. Elapsed time: 00:00:05.943
```

```
[*** Info: Completed repair for Oracle REST Data Services version 23.1.2.r1151944.
Elapsed time: 00:00:05.943
]
[opc@apex ~]$
```

上記は、インストールが正常に行われている環境の検証結果です。

特にORDS\_METADATAスキーマに作成されているデータベース・オブジェクトがすべてVALIDであることを確認します。

VALIDATION: 15:48:03 Validating ORDS Public Synonyms

VALIDATION: 15:48:04 Total objects: 328, invalid objects: 0, missing objects: 0

インストールが正しくできているかどうか、最初の確認作業になります。

続く

Yuji N. 時刻: 17:00

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[ウェブ バージョンを表示](#)

自己紹介

**Yuji N.**

日本オラクル株式会社に勤務していて、Oracle APEXのGroundbreaker Advocateを拝命しました。  
こちらの記事につきましては、免責事項の参照をお願いいたします。

[詳細プロフィールを表示](#)

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