

```
[oracle@ORA18C ~]$ sqlplus / as sysdba
```

```
SQL*Plus: Release 18.0.0.0.0 - Production on Sun Mar 10 18:37:03 2019
```

```
Version 18.3.0.0.0
```

```
Copyright (c) 1982, 2018, Oracle. All rights reserved.
```

```
Connected to:
```

```
Oracle Database 18c EE Extreme Perf Release 18.0.0.0.0 - Production
```

```
Version 18.3.0.0.0
```

```
SQL> ALTER SESSION SET "_EXCLUDE_SEED_CDB_VIEW"=FALSE;
```

```
Session altered.
```

```
SQL> SELECT CON_ID, VERSION, STATUS, SCHEMA FROM CDB_REGISTRY WHERE COMP_ID = 'APEX' ORDER BY CON_ID ASC;
```

CON_ID	VERSION	STATUS	SCHEMA
2	18.1.0.00.45	VALID	APEX_180100
3	18.1.0.00.45	VALID	APEX_180100

```
SQL> set linesize 200
```

```
SQL> SELECT CON_ID, VERSION, STATUS, SCHEMA FROM CDB_REGISTRY WHERE COMP_ID = 'APEX' ORDER BY CON_ID ASC;
```

CON_ID	VERSION	STATUS	SCHEMA
2	18.1.0.00.45	VALID	APEX_180100
3	18.1.0.00.45	VALID	APEX_180100

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CON_ID	VERSION	STATUS	SCHEMA
2	18.1.0.00.45	VALID	APEX_180100
3	18.1.0.00.45	VALID	APEX_180100

```
[oracle@ORA18C ~]$ cd SourceCode/
[oracle@ORA18C SourceCode]$ ll
total 147084
-rw-r--r--. 1 oracle oinstall 150606945 Mar 10 18:28 apex_18.2.zip
[oracle@ORA18C SourceCode]$ unzip apex_18.2.zip
Archive:  apex_18.2.zip
   creating: apex/
   inflating: apex/apxpatch_nocdb.sql
   inflating: apex/apxdevrm_cdb.sql
  extracting: apex/apxexit.sql
   inflating: apex/coreins3.sql
. . .
   inflating: apex/apex_epg_config_nocdb.sql
   inflating: apex/apxrtins1.sql
   inflating: apex/apxrtins2.sql
   inflating: apex/apxrtins3.sql

[oracle@ORA18C SourceCode]$ mv /home/oracle/SourceCode/apex/ /u01/app/oracle/product/apex/18.2.0.00.12/

[oracle@ORA18C SourceCode]$ ln -sfn /u01/app/oracle/product/apex/18.2.0.00.12 /u01/app/oracle/product/apex/.latest_provisioned
[oracle@ORA18C SourceCode]$ ls -la /u01/app/oracle/product/apex/
total 16
drwxr-x---. 4 oracle oinstall 4096 Mar 10 18:46 .
drwxr-x---. 6 oracle oinstall 4096 Jan 13 23:15 ..
drwxr-x---. 7 oracle oinstall 4096 Jul 18 2018 18.1.0.00.45
drwxrwxr-x. 6 oracle oinstall 4096 Sep 25 17:30 18.2.0.00.12
lrwxrwxrwx. 1 oracle oinstall  41 Mar 10 18:46 .latest_provisioned -> /u01/app/oracle/product/apex/18.2.0.00.12
lrwxrwxrwx. 1 oracle oinstall  41 Jan 13 23:09 .originally_provisioned -> /u01/app/oracle/product/apex/18.1.0.00.45
```

```
[oracle@ORA18C SourceCode]$ cd /u01/app/oracle/product/apex/18.2.0.00.12/
```

```
[oracle@ORA18C 18.2.0.00.12]$ sqlplus /nolog
```

```
SQL*Plus: Release 18.0.0.0.0 - Production on Sun Mar 10 18:47:46 2019
```

```
Version 18.3.0.0.0
```

```
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```

```
SQL> connect ORDS_PUBLIC_USER
```

```
Enter password:
```

```
Connected.
```

```
[oracle@ORA18C 18.2.0.00.12]$ sqlplus / as sysdba
```

```
SQL*Plus: Release 18.0.0.0.0 - Production on Sun Mar 10 18:50:28 2019
```

```
Version 18.3.0.0.0
```

```
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```

```
Connected to:
```

```
Oracle Database 18c EE Extreme Perf Release 18.0.0.0.0 - Production
```

```
Version 18.3.0.0.0
```

```
SQL> ALTER SESSION SET CONTAINER=pdbvevo;
```

```
Session altered.
```

```
SQL> @dbcsins.sql SYSAUX SYSAUX TEMP /i/18.2.0.00.12/ NOMoreKnObs#
```

...set_appun.sql

PL/SQL procedure successfully completed.

.set_ufrom_and_upgrade.sql

Session altered.

FOO3

install12019-03-10_18-50-48.log

. ORACLE

.

. Application Express (APEX) Installation.

.....

.

...set_appun.sql

... Checking prerequisites (MANUAL)

.

. SYSDBA Privilege

. pass - Connection with SYSDBA privilege.

. Database rolling upgrade

. pass - No rolling upgrade.

. . .

Synonym created.

Session altered.

PL/SQL procedure successfully completed.

...Recompiling the Application Express schemas

PL/SQL procedure successfully completed.

...Changing Application Express image prefix

NEW_IMAGE_PREFIX

/i/18.2.0.00.12/

1 row selected.

. . .

...Recompiling the Application Express schemas

PL/SQL procedure successfully completed.

Image Prefix update complete

SYS>

>>>>

>> Upgrading PDB\$SEED:

>>>>

[oracle@ORA18C 18.2.0.00.12]\$ sqlplus / as sysdba

SQL*Plus: Release 18.0.0.0.0 - Production on Sun Mar 10 19:05:52 2019

Version 18.3.0.0.0

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Connected to:

Oracle Database 18c EE Extreme Perf Release 18.0.0.0.0 - Production

Version 18.3.0.0.0

SQL> ALTER SESSION SET "_oracle_script"=TRUE;

Session altered.

SQL> ALTER PLUGGABLE DATABASE pdb\$seed CLOSE IMMEDIATE;

Pluggable database altered.

SQL> ALTER PLUGGABLE DATABASE pdb\$seed OPEN READ WRITE;

Pluggable database altered.

```
SQL> ALTER SESSION SET CONTAINER = pdb$seed;
```

```
Session altered.
```

```
SQL> @dbcsins.sql SYSAUX SYSAUX TEMP /i/18.2.0.00.12/ NOMoreKnObs#
```

```
. . .
```

```
...Recompiling the Application Express schemas
```

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

```
Image Prefix update complete
```

```
SYS> ALTER SESSION SET CONTAINER=cdb$root;
```

```
Session altered.
```

```
SYS> ALTER SESSION SET "_oracle_script"=TRUE;
```

```
Session altered.
```

```
SYS> ALTER PLUGGABLE DATABASE pdb$seed CLOSE IMMEDIATE;
```

```
Pluggable database altered.
```

```
SYS> ALTER PLUGGABLE DATABASE pdb$seed OPEN READ ONLY;
```

```
Pluggable database altered.
```



```
SYS> ALTER SESSION SET CONTAINER=pdbvevo;
```

```
Session altered.
```

```
SYS> SELECT VERSION, STATUS, SCHEMA FROM DBA_REGISTRY WHERE COMP_ID = 'APEX';
```

```
VERSION      STATUS SCHEMA
-----
18.2.0.00.12 VALID  APEX_180200
```

```
#####
```

```
# DO NOT MISS THIS!!!
```

```
#####
```

```
ln -sf /u01/app/oracle/product/apex/18.2.0.00.12/images/ /u01/app/oracle/product/ords/conf/ords/standalone/doc_root/i/18.2.0.00.12
```

```
# Confirmation:
```

```
$> ls -la /u01/app/oracle/product/ords/conf/ords/standalone/doc_root/i/18.2.0.00.12
```

```
lrwxrwxrwx. 1 oracle oinstall 49 Mar 10 19:26 /u01/app/oracle/product/ords/conf/ords/standalone/doc_root/i/18.2.0.00.12 ->
/u01/app/oracle/product/apex/18.2.0.00.12/images/
```