Commands are highlighted in green

Values are in yellow.

**My comments are in bold.**

Everything else is generated by the system, except for passwords, which are invisible.

**Install APEX using sqlplus:**

**I’m using this folder for demonstration only. My working installation is C:\apexords\apex**

C:\Users\lester69\Documents\DEMO\apex>sqlplus

SQL\*Plus: Release 18.0.0.0.0 - Production on Wed Oct 2 08:55:39 2019

Version 18.3.0.0.0

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

Enter user-name: SYS as SYSDBA

Enter password:

Connected to:

Oracle Database 18c Enterprise Edition Release 18.0.0.0.0 - Production

Version 18.3.0.0.0

**This sets install into the pluggable database root container (use your PDB name). If you ever forget to type the semicolon, just type it as line 2 appears:**

SQL> alter session set container = demopdb;

Session altered.

SQL> @apexins SYSAUX SYSAUX TEMP /i/

**Validate the install:**

SYS> select status from dba\_registry where comp\_id='APEX';

STATUS

--------------------------------------------

VALID

1 row selected.

SYS> @apxchpwd.sql

...set\_appun.sql

================================================================================

This script can be used to change the password of an Application Express

instance administrator. If the user does not yet exist, a user record will be

created.

================================================================================

Enter the administrator's username [ADMIN] ADMIN

User "ADMIN" does not yet exist and will be created.

Enter ADMIN's email [ADMIN] **Just hit Enter**

Enter ADMIN's password [] **I use the same ADMIN password for all ADMIN accounts. You don’t have to, but it is easier for me. I use the same password on the other users as well. You will need this later on to set up a workspace in APEX ADMIN.**

Created instance administrator ADMIN.

SYS> ALTER USER APEX\_PUBLIC\_USER IDENTIFIED BY password ACCOUNT UNLOCK;

SYS> ALTER USER anonymous ACCOUNT UNLOCK;

SYS> ALTER USER flows\_files ACCOUNT UNLOCK;

SYS> Rem ALTER system SET shared\_servers=5 scope=both;

SYS> @apex\_rest\_config.sql

Enter a password for the APEX\_LISTENER user []

Enter a password for the APEX\_REST\_PUBLIC\_USER user []

...set\_appun.sql

...create APEX\_LISTENER and APEX\_REST\_PUBLIC\_USER users

**That completes APEX install. Now we need to install ORDS**

SYS> exit

Disconnected from Oracle Database 18c Enterprise Edition Release 18.0.0.0.0 - Production

Version 18.3.0.0.0

C:\Users\lester69\Documents\DEMO\apex>cd..

C:\Users\lester69\Documents\DEMO>cd ords

C:\Users\lester69\Documents\DEMO\ords>java -jar ords.war install advanced

This Oracle REST Data Services instance has not yet been configured.

Please complete the following prompts

Enter the location to store configuration data:config

**Any time you see a value in brackets, if it is correct, you can just hit enter. I typed values in for clarity.**

Enter the name of the database server [localhost]:localhost

Enter the database listen port [1521]:1521

Enter 1 to specify the database service name, or 2 to specify the database SID [1]:1

Enter the database service name:demopdb //Yaochu typed XEPDB1

Enter 1 if you want to verify/install Oracle REST Data Services schema or 2 to skip this step [1]:1

Enter the database password for ORDS\_PUBLIC\_USER:

Confirm password:

Requires SYS AS SYSDBA to verify Oracle REST Data Services schema.

Enter the database password for SYS AS SYSDBA:

Confirm password:

Retrieving information.

Enter the default tablespace for ORDS\_METADATA [SYSAUX]:SYSAUX

Enter the temporary tablespace for ORDS\_METADATA [TEMP]:TEMP

Enter the default tablespace for ORDS\_PUBLIC\_USER [USERS]:USERS

Enter the temporary tablespace for ORDS\_PUBLIC\_USER [TEMP]:TEMP

Enter 1 if you want to use PL/SQL Gateway or 2 to skip this step.

If using Oracle Application Express or migrating from mod\_plsql then you must enter 1 [1]:1

Enter the PL/SQL Gateway database user name [APEX\_PUBLIC\_USER]:APEX\_PUBLIC\_USER

Enter the database password for APEX\_PUBLIC\_USER:

Confirm password:

Enter 1 to specify passwords for Application Express RESTful Services database users (APEX\_LISTENER, APEX\_REST\_PUBLIC\_USER) or 2 to skip this step [1]:1

Enter the database password for APEX\_LISTENER:

Confirm password:

Enter the database password for APEX\_REST\_PUBLIC\_USER:

Confirm password:

Oct 02, 2019 8:46:23 AM

INFO: reloaded pools: []

Installing Oracle REST Data Services version 18.4.0.r3541002

... Log file written to C:\Users\lester69\ords\_install\_core\_2019-10-02\_084623\_00999.log

... Verified database prerequisites

... Created Oracle REST Data Services schema

... Created Oracle REST Data Services proxy user

... Granted privileges to Oracle REST Data Services

... Created Oracle REST Data Services database objects

... Log file written to C:\Users\lester69\ords\_install\_datamodel\_2019-10-02\_084633\_00921.log

... Log file written to C:\Users\lester69\ords\_install\_apex\_2019-10-02\_084635\_00043.log

Completed installation for Oracle REST Data Services version 18.4.0.r3541002. Elapsed time: 00:00:12.400

**We will exit here, and later use SQL Developer to start ORDS in standalone mode. You can use the command line to start every time, but I’ve found it easier to use SQL Developer because it saves the values for you.**

Enter 1 if you wish to start in standalone mode or 2 to exit [1]:2

C:\Users\lester69\Documents\DEMO\ords>java -jar ords.war validate

Enter the name of the database server [localhost]: **I just hit Enter on these…**

Enter the database listen port [1521]:

Enter the database service name [demopdb]:

Requires SYS AS SYSDBA to verify Oracle REST Data Services schema.

Enter the database password for SYS AS SYSDBA:

Confirm password:

Retrieving information.

Oracle REST Data Services will be validated.

Validating Oracle REST Data Services schema version 18.4.0.r3541002

... Log file written to C:\Users\lester69\ords\_validate\_core\_2019-10-02\_090413\_00950.log

Completed validating Oracle REST Data Services version 18.4.0.r3541002. Elapsed time: 00:00:02.86

C:\Users\lester69\Documents\DEMO\ords> **You may want to keep this open in case you need to troubleshoot.**