**Pre- SQL \*Loader data load**

Please note that this is a windows installation of Oracle 12c Enterprise/Standard Edition.

Before you get started, you need to understand the difference between common users and local users.

Oracle has excellent reference materials. Here is an important link: <https://docs.oracle.com/database/121/DBSEG/users.htm#DBSEG573>

* Install the Oracle 12c software
* After the install is completed, at your system root level, issue these commands:
* **sqlplus sys/oracle@localhost:1521/cdb1 as sysdba**
* **show con\_name**

You should see: **CDB$ROOT**

* **show con\_id**

You should see: **1**

Now, display the list of available services for the root and the PDBs.

* **select name, con\_id from v$active\_services order by 1;**

Now connect to the pdb database

* **connect sys/oracle@localhost:1521/pdborcl as sysdba**
* **show con\_name**

You should see: **PDBORCL**

* **show con\_id**

You should see the correct ID for the database

Oracle has excellent reference materials for this as well:

<http://www.oracle.com/webfolder/technetwork/tutorials/obe/db/12c/r1/pdb/pdb_basics/pdb_basics.html>

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Now that you are connected to pdborcl, you can now connect to the sample data in the sample schemas.

You are currently logged in as sysdba, so you can now do anything.

Change the password and unlock the HR schema (or via-verse).

**Alter user hr identified by hr account unlock;**

I granted session, connect, and dba to HR. (Maybe over privileged but this is only test)

Next, I selected some of the data that I liked out of the employees table and formatted it for two kinds of data. I created a text file and a csv file with the data fields selected.

**Select employee\_id, first\_name, last\_name, hire\_date,**

**job\_id, salary, manager\_id, department\_id**

**from employees;**

Next, I created two tables in the HR schema for the formatted data to be loaded into by SQL \* Loader.

**create table txt\_employees(**

**EMPLOYEE\_ID NUMBER(6),**

**FIRST\_NAME VARCHAR2(20),**

**LAST\_NAME VARCHAR2(25),**

**HIRE\_DATE DATE,**

**JOB\_ID VARCHAR2(10),**

**SALARY NUMBER(8,2),**

**MANAGER\_ID NUMBER(6),**

**DEPARTMENT\_ID NUMBER(4)**

**);**

**create table csv\_employees as select \* from txt\_employees;**

**Now setup your network connection**

At the end of your tnsnames file, add the following entry:

**PDBORCL =**

**(DESCRIPTION =**

**(ADDRESS = (PROTOCOL = TCP)(HOST = localhost)(PORT = 1521))**

**(CONNECT\_DATA =**

**(SERVER = DEDICATED)**

**(SERVICE\_NAME = pdborcl)**

**)**

**)**

**Setup SQL Developer**

In SQL Developer, create a connection to the HR schema:

Connection Name: HR

Username: hr

Password:

Hostname: localhost

Port: 1521

SID: orcl

Service Name: pdborcl

Do a test and then connect

Now, you should be able to follow the PowerPoint presentation.