**Oracle Encryption Instructions**

1. Locate the sqlnet.ora file
   1. Add the following script to the end of the file:
      1. ENCRYPTION\_WALLET\_LOCATION=

(SOURCE =

(METHOD\_DATA =

(DIRECTORY = C:\app\System\_1\admin\orcl\wallet)))

* 1. If the orcl folder has an xdb\_wallet folder but not a wallet folder, create a wallet folder
  2. Leave the cwallet.sso and ewallet files in the xdb\_wallet folder
  3. Do not delete the xdb\_wallet folder or any files therein

1. Copy the cwallet.sso file into the wallet folder
2. Rename the cwallet.sso file to cwallet.sso.bkp
3. Close the Auto-Login wallet sequence with the following:
   1. ADMINISTER KEY MANAGEMENT SET KEYSTORE CLOSE;
4. Reopen the wallet with the following using the SQL Developer password:
   1. ADMINISTER KEY MANAGEMENT SET KEYSTORE OPEN IDENTIFIED BY ‘sqldeveloperpassword’;
      1. Single quotation marks should not accompany the SQL Developer password
5. Back up the wallet & keystore with the following using the SQL Developer password:
   1. ADMINISTER KEY MANAGEMENT SET KEY IDENTIFIED BY ‘sqldeveloperpassword’ WITH BACKUP;
      1. Single quotation marks should not accompany the SQL Developer password
6. Add Auto-Login back onto the wallet & keystore with the following:
   1. ADMINISTER KEY MANAGEMENT CREATE AUTO\_LOGIN KEYSTORE FROM KEYSTORE ‘wallet\_directory’ IDENTIFIED BY ‘sqldeveloperpassword’;
      1. Single quotation marks should not accompany the SQL Developer password
7. Change the wallet password
   1. ADMINISTER KEY MANAGEMENT ALTER KEYSTORE PASSWORD IDENTIFIED BY ‘sqldeveloperpassword’ SET ‘newpassword’ WITH BACKUP;
      1. Single quotation marks should not accompany the SQL Developer password or the new password
      2. The new password can match the old password
8. You should now see at least 5 files inside of the wallet folder
   1. cwallet.sso
   2. cwallet.sso.bkp
   3. ewallet
   4. ewallet.xxxxxxxxxxxx
   5. Ewallet.xxxxxxxxxxxx
9. Oracle 19c
   1. xdb\_wallet
      1. C:\App\admin\orcl\xdb\_wallet
         1. xdb\_wallet Inventory
            1. cwallet.sso
            2. ewallet
   2. wallet
      1. C:\App\admin\orcl\wallet
         1. wallet Inventory
            1. cwallet.sso
            2. cwallet.sso.bkp
            3. xxx
            4. xxxx
            5. xxxxx