Import Biotics 5 Database Dumps Oracle 10g and 11g

Drop Oracle Database

The following steps are only necessary if the Oracle database already exists on the machine.

1. Log into sqlplus as the system user.
2. Drop users:
   - Drop user biotics_user cascade;
   - Drop user biotics_del cascade;
3. Drop tablespaces – this is necessary or they will have to be built larger than necessary:
   - Drop tablespace biotics_audit including contents cascade constraints;
   - Drop tablespace biotics_data including contents cascade constraints;
   - Drop tablespace biotics_dx_data including contents cascade constraints;
   - Drop tablespace biotics_dx_index including contents cascade constraints;
   - Drop tablespace biotics_index including contents cascade constraints;
   - Drop tablespace bioticsdel_data including contents cascade constraints;
4. Exit sqlplus
5. Delete the BIOTICS*.ORA files in the ORACLE_HOME directory (i.e. E:\app\Oracle\oradata\biotics\).
6. Empty the recycle bin.

Import Oracle Database

1. Edit the biotics5_tablespaces.sql script:
   - to account for the size of the tablespaces, according to what was reported in the tablespace_size.log.
   - Replace "changeme" with the desired passwords for the biotics_user and biotics_del users

   NOTE: If the tablespaces are not large enough to accommodate the data, the import process will fail to import all of the data.

2. Log into sqlplus as the system user.
3. Run the updated biotics5_tablespaces.sql script to create the tablespaces
   - When prompted for path of tablespaces, point to the location of your tablespaces (i.e. C:\app\Oracle\oradata\biotics). If you don't know where they're located, do a search for **.ORA** files.
4. Exit sqlplus
5. Edit the ImportBiotics5_Oracle10or11.txt file
   - Point to the path of the folder in which the deleted and regular schema dump files are located. We recommend these be placed on the hard-drive for performance reasons.

- Replace **** with the password for the Oracle user identified in the statements following the second REM statement.
- Following the REM ********* line, replace **** with the password for the Oracle system user in the two impdp statements.
- If not using the standard 'oracle_server' as your Net Service Name, replace oracle_server with the appropriate Net Service Name.

6. Open a DOS window
7. Copy and paste the statements, prior to the REM ********* line, at the DOS prompt
8. Import the deleted schema:
   - Copy the first "impdp" statement into the dos prompt.
9. Verify that the deleted schema imported successfully before proceeding by reviewing the BIOTICS_DEL_imp.log that was generated. This is imperative. Within the Utilizing Biotics 5 backups Solution is attached an example BIOTICS_DEL_imp.log which is an example of what is expected from a successful import of the deleted schema.

   Note, you can ignore:

   ORA-31684: Object type USER: "BIOTICS_DEL" already exists

   What you do need to verify is that the data within the tables imported successfully, i.e.

   ..imported   "BIOTICS_DEL"."EO_TRS_DEL"   11.07 MB   150056 rows

   If any errors other than those listed in the example log file comes up, submit a ticket to the Biotics 5 Help Desk including the resulting log file as an attachment. The most likely error will be one indicating a lack of sufficient tablespace which can be rectified by augmenting the tablespace size, as instructed in KB article 467 in the Biotics 4 Help Desk.

10. Import the regular schema:
    - Copy the second "impdp" statement into the dos prompt.
11. Verify that the regular schema imported successfully before proceeding by reviewing the BIOTICS_USER_imp.log that was generated. This is imperative. Within the Utilizing Biotics 5 backups Solution is attached an example BIOTICS_USER_imp.log which is an example of what is expected from a successful import of the regular schema.

    Note, you can ignore:

    - ORA-31684: Object type USER: "BIOTICS_USER" already exists
    - ORA-01917: user or role 'BIOTICS_QUERY' does not exist – you don't need this user.
    - GRANT SELECT ON… - as the user to which they are being granted are extraneous for your purposes.
    - GRANT EXECUTE ON… - as the user to which they are being granted are extraneous for your purposes.
    - Failures which contain the spatial data ("SHAPE"), such as those beginning with ORA-31693, ORA-02354, and ORA-26065 and as reported at the end of the file when attempting to CREATE INDEX.
    - IMP-00041: Warning: object created with compilation warnings – compilation warnings will be resolved in step 13.

What you do need to verify is that the data within the tables imported successfully, i.e.

..imported   "BIOTICS_USER"."EO"   16.03 MB   17409 rows

If any errors other than those listed in the example log file comes up, submit a ticket to the Biotics 5 Help Desk including the resulting log file as an attachment. The most likely error will be one indicating a lack of sufficient tablespace which can be rectified by augmenting the tablespace size, as instructed in KB article 467 in the Biotics 4 Help Desk.

12. Log into sqlplus as the biotics_user:
    - Run grant_query_on_user.sql to grant privileges to biotics_query on tables, views, functions, procedures. Results will be written to bio_query_user.log.
    - Run the check_invalid.sql script according to the instructions in the check_invalid_readme.txt. If any component fails to compile (after running as many times as needed according to the readme), submit a ticket to the Biotics 5 Help Desk.