

Import Biotics 5 Database Dumps Oracle 9g

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. Delete the BIOTICS*.ORA files in the ORACLE_HOME directory (i.e. E:\app\Oracle\oradata\biotics\).
5. 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_sizes.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_Oracle9.txt file
 - Point to the path of the folder in which the deleted and regular schema dump files are located.
 - Replace **** with the password for the Oracle system user
 - Replace oracle_server with the Net Service Name if not using the standard 'oracle_server'
6. Open a DOS window

7. Import the deleted schema:
 - Point to the path of the database dump files – copy the first two non-REM lines into the DOS prompt
 - Copy the first “imp” statement into the dos prompt.
8. 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: Ignore all of the following errors as these reference the spatial data which is not supported in Oracle :

IMP-00060: Warning: Skipping table "BIOTICS_DEL"."EO_SHAPE_DEL" because object type "MDSYS"."SDO_ORDINATE_ARRAY" does not exist or has different identifier

and

*IMP-00017: following statement failed with ORACLE error 942: "ANALYZE TABLE "EO_SHAPE_DEL" ESTIMATE STATISTICS "
 IMP-00003: ORACLE error 942 encountered
 ORA-00942: table or view does not exist*

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

.. importing table "ANIMAL_CAG_DEL" 89 rows imported

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](#).

9. Import the regular schema:
 - Copy the second “imp” statement into the dos prompt.
10. 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: Ignore the following errors as they refer to roles custom to the Biotics 5 application (BIOTICS_QUERY & BIOTICS_DLINK) which are not needed in your database:

*IMP-00017: following statement failed with ORACLE error 1917: "GRANT SELECT ON "AD_APP_PALETTES" TO "BIOTICS_QUERY"
 IMP-00003: ORACLE error 1917 encountered
 ORA-01917: user or role 'BIOTICS_QUERY' does not exist"*

NOTE: ignore the following errors as spatial data is not supported in Oracle 9, but is instead provided to you as shape files.

IMP-00060: Warning: Skipping table "BIOTICS_USER"."EO_SHAPE" because object type "MDSYS"."SDO_ORDINATE_ARRAY" does not exist or has different identifier

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

```
.. importing table          "EO"    9602 rows imported
```

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](#).

11. 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.