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[FAQ](#), [BioStar 2](#), [Backup](#)

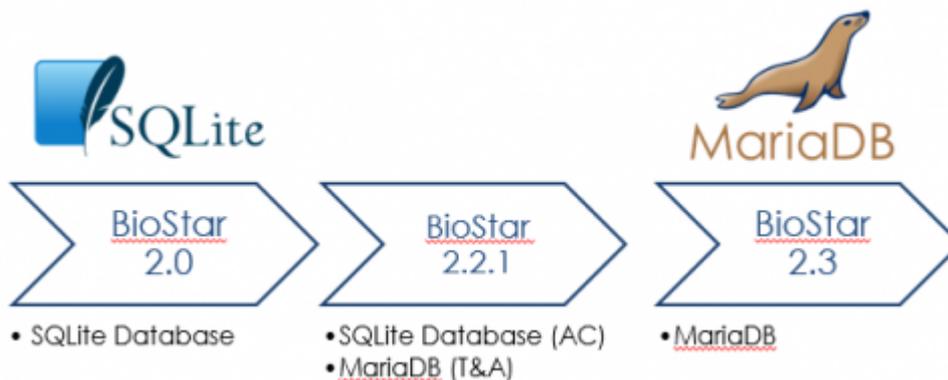
How to Back Up and Restore the Database

BioStar 2's database has gone through a few changes since it's release.

The AC database started out with the SQLite Database and in version 2.2.1, the MariaDB T&A database was released.

Starting version 2.3, both databases became Maria DB. Hence the backup method has changed as well.

Refer to the image below to see the changes in the Database in BioStar 2 versions.



Automatic database backup of AC database is only supported up to version 2.2.1

2.0 ~ 2.2.2 Database Backup and Restore

You can use refer to the PDF below to back up your BioStar 2.0~2.2.2 database.

Note that the AC database can be backed up easily with a copy and paste after stopping BioStar 2 services because it is a SQLite DB.

For the T&A database, use the option to back up with the instructions shown in **2.3~ Database Backup** below.

If you want to download PDF file named **BioStar 2.0~2.2.2 Database Backup and Restore**, please visit to the **FAQ section** on our technical support system. Please click the the following [link](#)

2.3~ Database Backup

You will have to install MySQL Workbench to back up and restore the database.

Important Note for T&A Users

If you are making a clean uninstall and reinstalling BioStar 2.3 in the server PC or if you are installing and restoring BioStar 2.3 in another PC, you will have to back up the security folder in the path below:

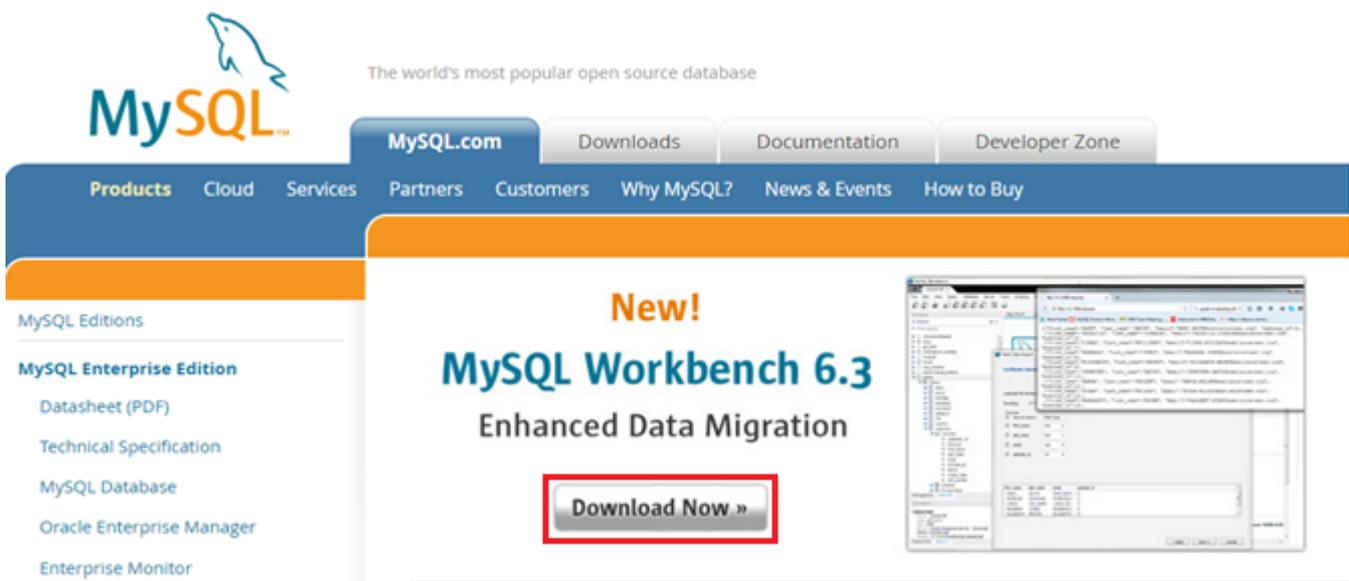
C:\Program Files\BioStar 2(x64)\ta\security

Copy the files in the folder and paste it the same path of your new BioStar 2.3 when restoring your T&A.

This only applies to version 2.3 T&A and this process is not required for version 2.4

It is recommended to stop your BioStar 2 server when backing up and restoring the database.

1. Open a web browser.
2. Access the following [link](#)
3. Click **Download Now** to download MySQL Workbench.



The screenshot shows the MySQL.com website. The header includes the MySQL logo and the tagline "The world's most popular open source database". Navigation menus are present for "MySQL.com", "Downloads", "Documentation", and "Developer Zone". A secondary menu includes "Products", "Cloud", "Services", "Partners", "Customers", "Why MySQL?", "News & Events", and "How to Buy". The main content area features a "New! MySQL Workbench 6.3 Enhanced Data Migration" announcement. A "Download Now »" button is highlighted with a red rectangular border. To the right, there is a screenshot of the MySQL Workbench software interface.

4. Click **Download** to download the **MSI Installer**.

Generally Available (GA) Releases

MySQL Workbench 6.3.9

Select Platform:
Microsoft Windows

Looking for previous GA versions?

Recommended Download:



MySQL Installer 5.7 for Windows
All MySQL Products. For All Windows Platforms. In One Package.

Starting with MySQL 5.6 the MySQL Installer package replaces the server-only MSI packages.

Windows (x86, 32-bit), MySQL Installer MSI [Download](#)

Other Downloads:

| | | | |
|-----------------------------------------------------------------------------------------------------|-------|-------|--------------------------|
| Windows (x86, 64-bit), MSI Installer <small>(mysql-workbench-community-6.3.9-winx64.msi)</small> | 6.3.9 | 28.3M | Download |
|-----------------------------------------------------------------------------------------------------|-------|-------|--------------------------|

MDS: 89773c47e3f43d247182a9c8270c2bc5 | Signature

5. Click **No thanks, just start my download.**

Begin Your Download - mysql-workbench-community-6.3.9-winx64.msi

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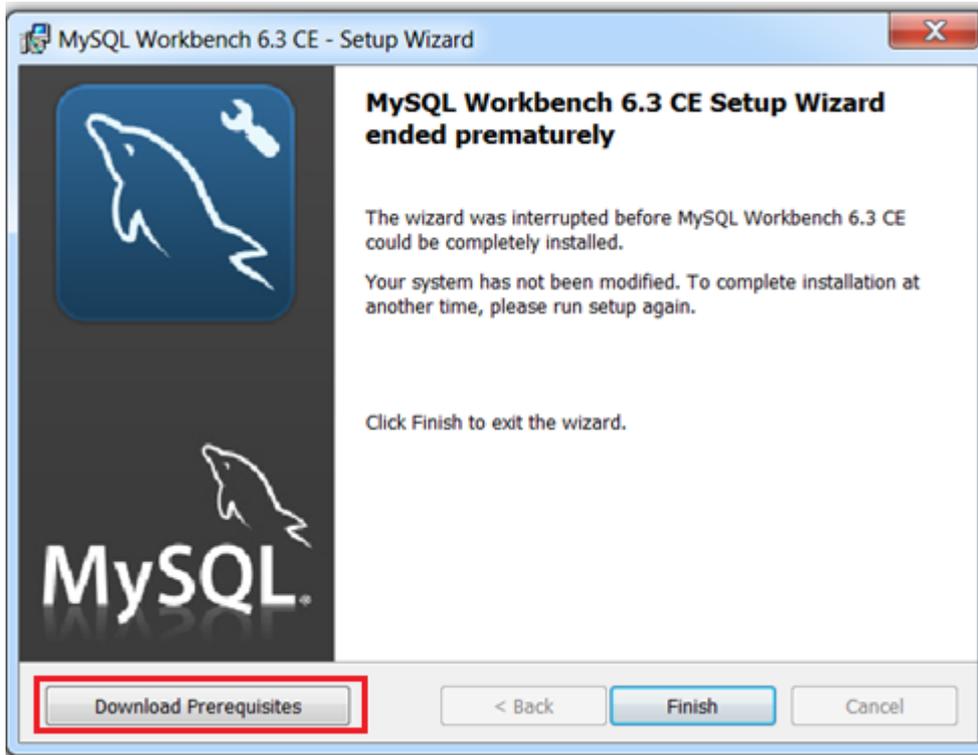
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[No thanks, just start my download.](#)

6. Run the downloaded file.

7. It will ask you to install the prerequisites. Click **Download Prerequisites.**



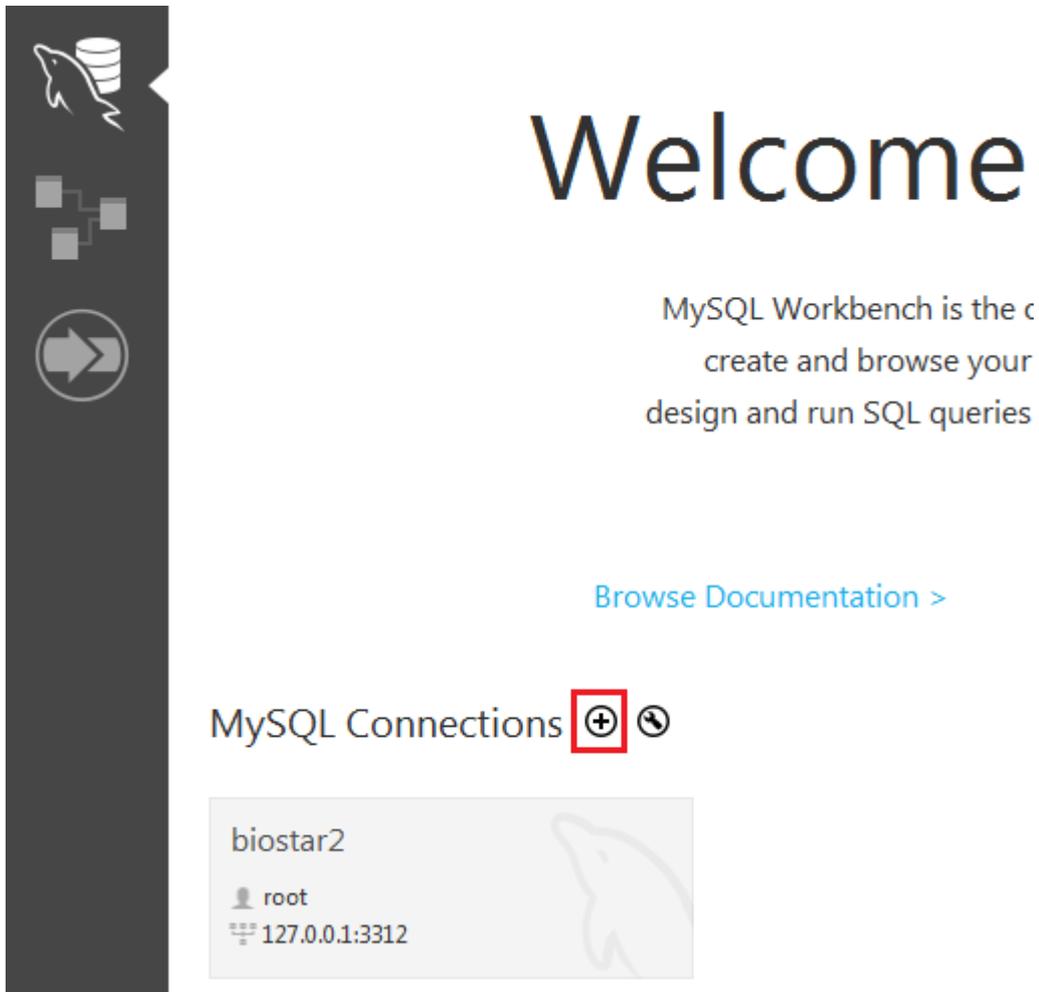
8. The link will guide you to download the files below. Install if you don't already have them:

- [Microsoft .NET Framework 4.5](#)
- [Visual C++ Redistributable for Visual Studio 2015](#)

9. After installing all the prerequisites, run the MySQL Workbench installer again.

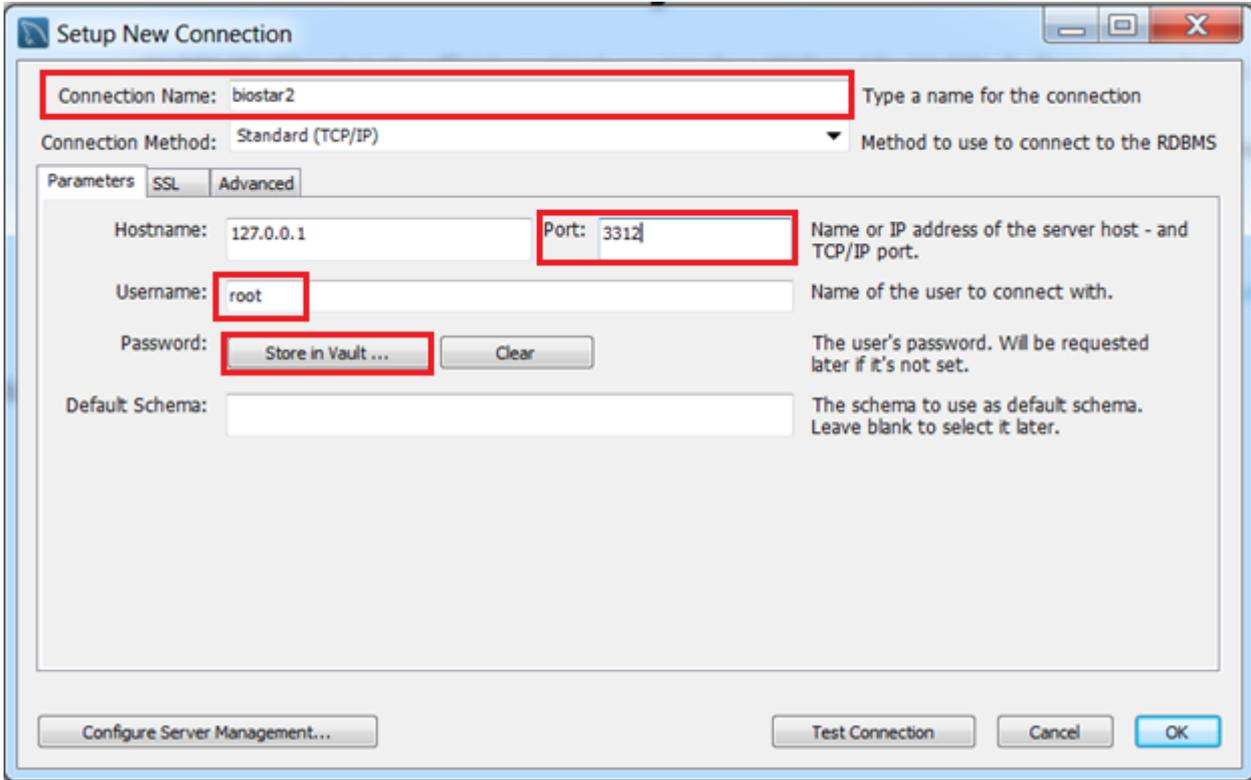
10. Launch MySQL Workbench.

11. Click the + sign.

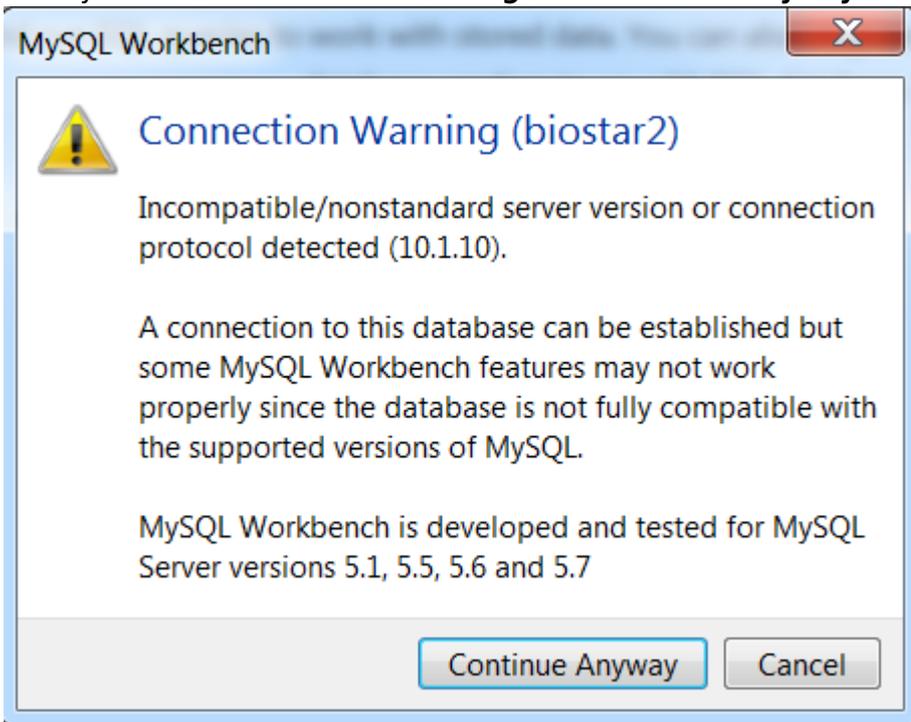


The image shows the MySQL Workbench Welcome screen. On the left is a dark sidebar with icons for a database, a network diagram, and a right-pointing arrow. The main area features the word "Welcome" in a large font, followed by the text "MySQL Workbench is the c... create and browse your design and run SQL queries". Below this is a blue link "Browse Documentation >". Underneath is the "MySQL Connections" section, which includes a red square icon with a white plus sign and a grey square icon with a white minus sign. A connection card for "biostar2" is visible, showing the username "root" and the host "127.0.0.1:3312".

12. Set a name for **Connection Name**.
13. Set the **Port** to 3312.
14. Enter your database administrator id in **Username**.
The account you configured in the BioStar 2 express installation is **root**.
15. Click **Store in Vault ...** and enter password.



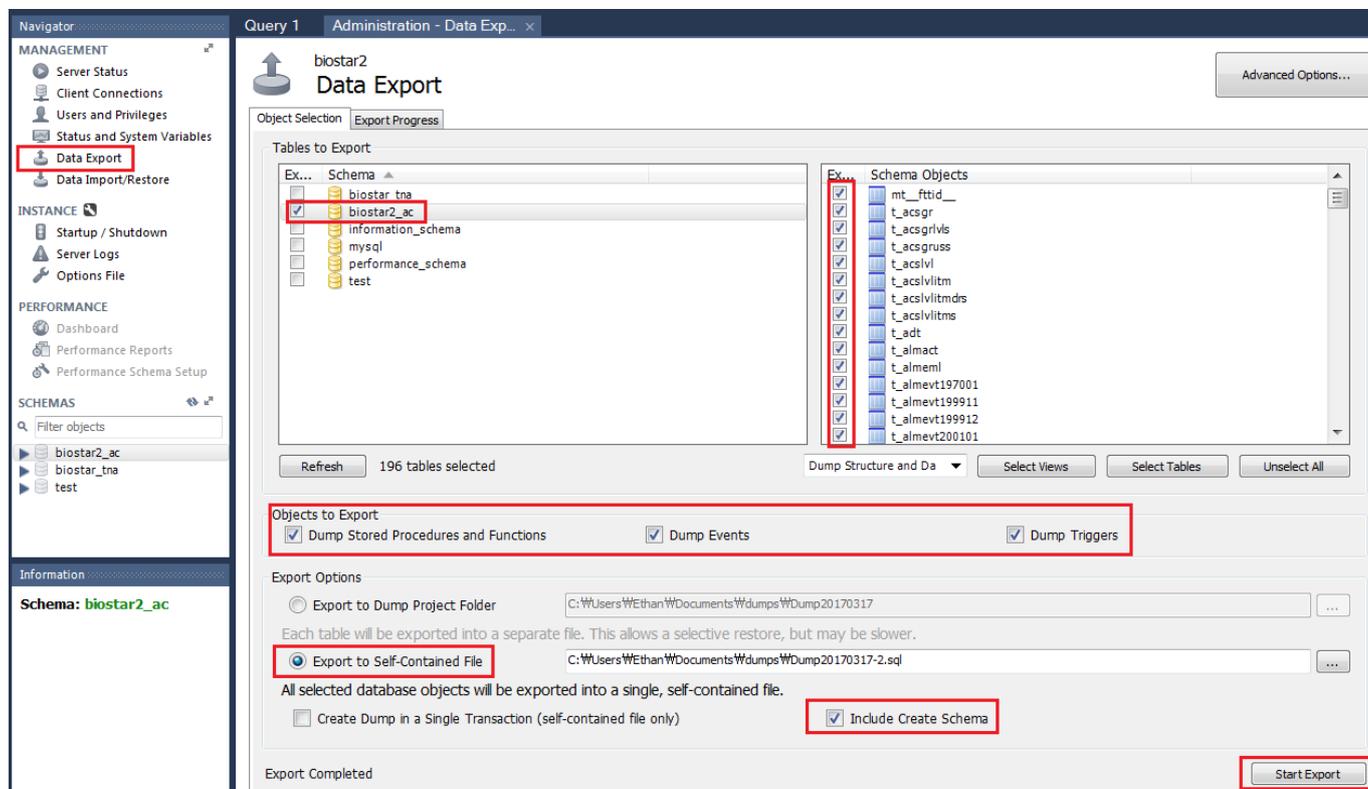
- 16. Click **Test Connection** and check that it is successful.
- 17. If you see a **Connection Warning** click **Continue Anyway**.



- 18. Click **Ok** to connect to the database.
- 19. Select **Data Export** on the **Navigator**.
- 20. **On Object Selection - Schema**, select the database you want to back up.

It is recommended to back up the AC and TA database separately.
biostar2_ac is the AC database and biostar_tna is the T&A database.

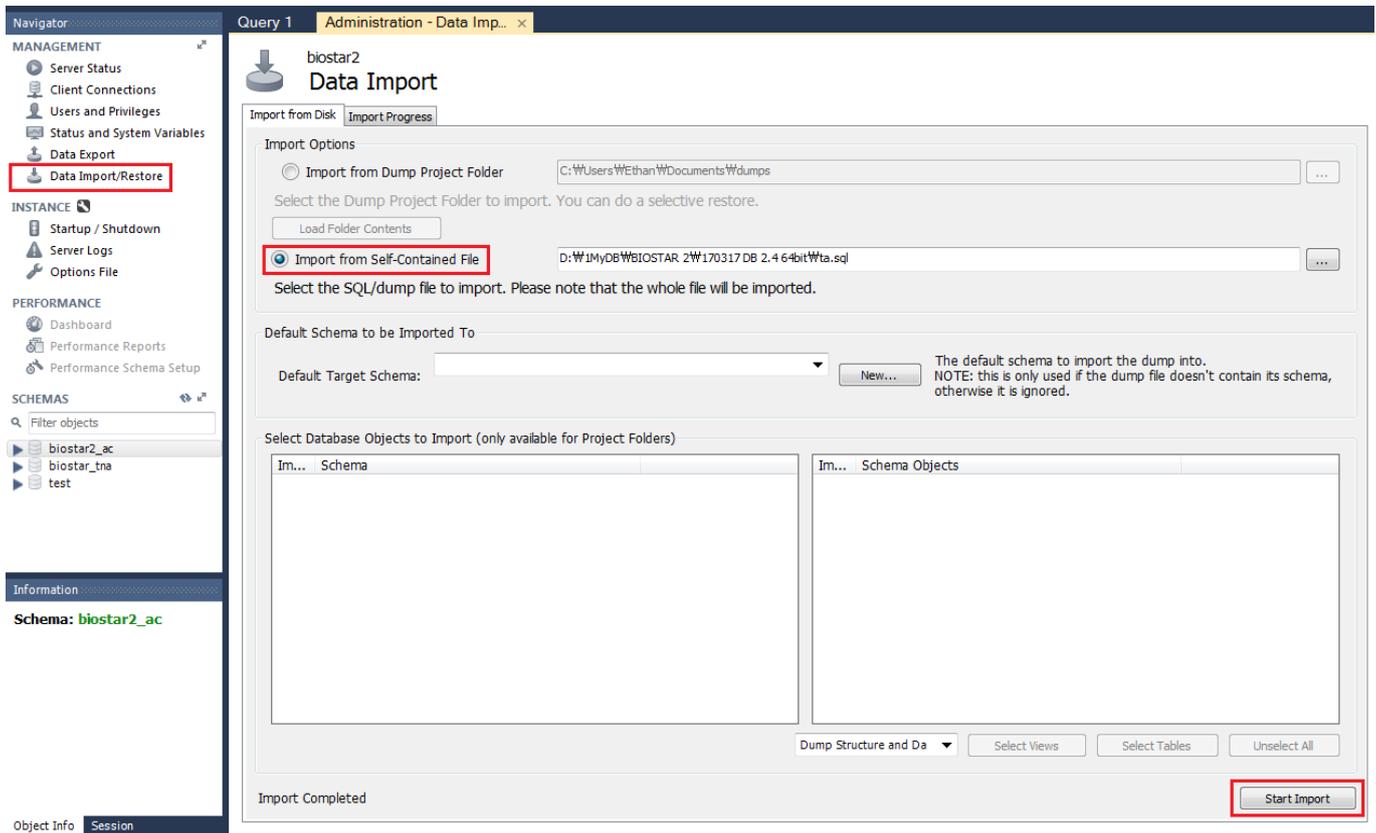
- 21. On the right column **Schema Objects**, check that all tables are checked.
- 22. On **Objects to Export** check all three items.
- 23. For **Export Options** select **Export to Self-Contained File**.
- 24. Check **Include Create Schema**.
- 25. Click Start Export.



The process will take several minutes and longer based on the size of your database.

2.3~ Database Restore

- 1. Install MySQL Work Bench and Connect to the database as shown above in the back up process.
- 2. Select **Data Import/Restore**.
- 3. Click **Import from Self-Contained File** radio button.
- 4. Select your file to import by pressing the ... button.
- 5. Click **Start Import**.



When you restore the T&A database, you have to stop and start all BioStar 2 services again with **BioStar Setting**.

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