

TS0149 – Backing up and restoring BioStar 2’s database FAQ

APPLIES TO: BioStar 2.2.1 and 2.2.2

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Please read the cautions below before continuing with this document

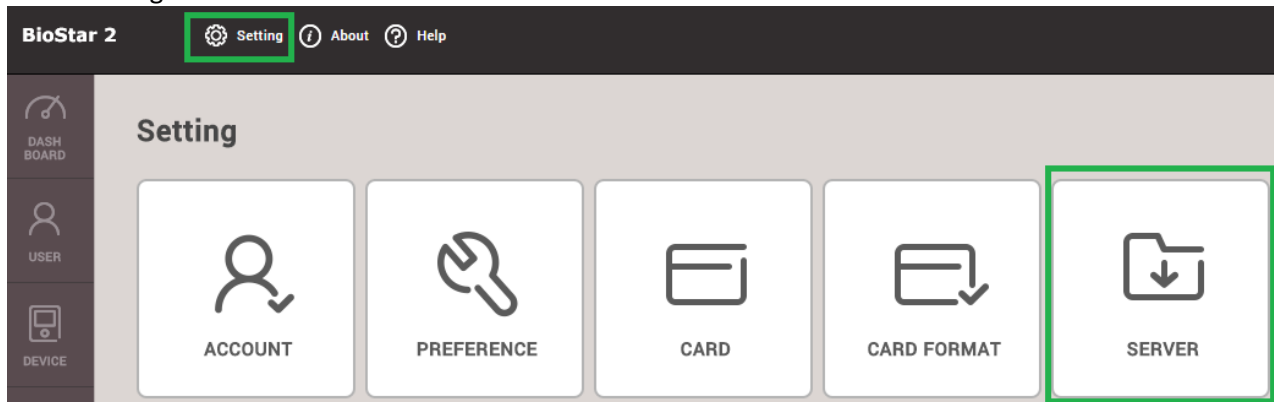
Cautions

1. The AC database is a SQLite database in the current version (2.2.1) and the T&A database is a Maria Database.
2. *The AC database will become a Maria database in version 2.3.*

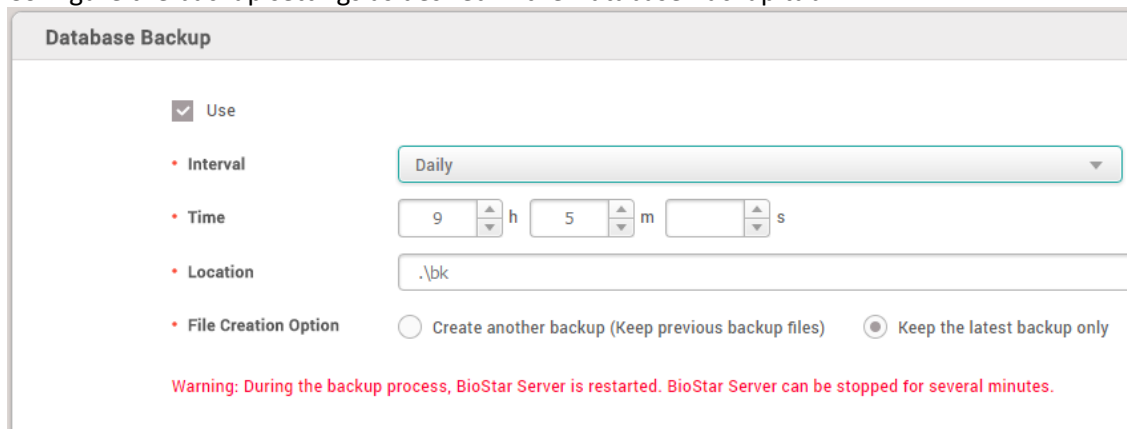
Can I backup the AC database automatically?

Yes, this feature has been included in BioStar 2.2.1.

1. Go to Setting > SERVER in BioStar 2



2. Configure the backup settings as desired in the Database Backup tab

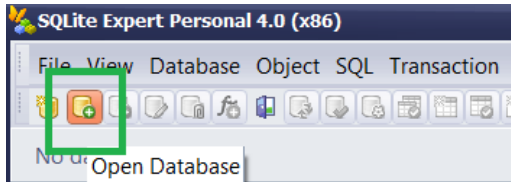
A screenshot of the 'Database Backup' configuration window. The window has a title bar 'Database Backup'. Inside, there are several settings: a checked checkbox for 'Use'; a dropdown menu for 'Interval' set to 'Daily'; a time selection area for 'Time' with '9' hours, '5' minutes, and an empty seconds field; a text input for 'Location' containing '.\bk'; and a 'File Creation Option' section with two radio buttons: 'Create another backup (Keep previous backup files)' and 'Keep the latest backup only', with the second one selected. At the bottom, there is a red warning message: 'Warning: During the backup process, BioStar Server is restarted. BioStar Server can be stopped for several minutes.'

3. The files are located in
 - C:\Program Files (x86)\BioStar 2\db

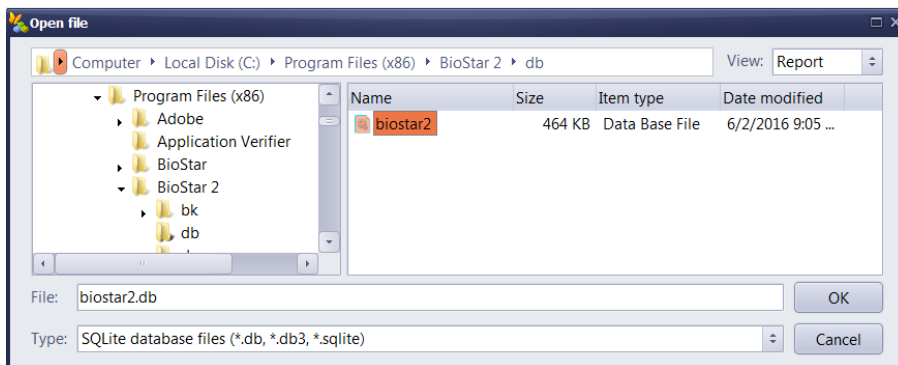
How can I open the AC database?

We do not provide SQLite database management software. However, a free program you could use is SQLite Expert Personal.

1. You can download the program from the following link: <http://www.sqliteexpert.com/download.html>
2. Install the program
3. Launch SQLite Expert Personal
4. Click Open Database



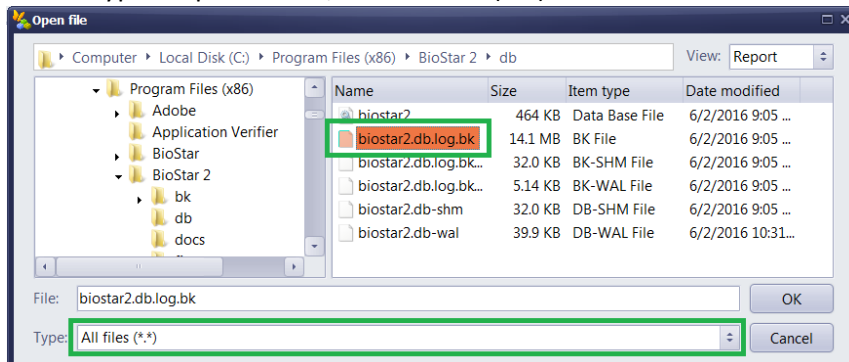
5. Select the following directory
 - C:\Program Files (x86)\BioStar 2\db
6. Select biostar2



7. Click OK

If you would like to open the event logs, they are in a separate file. Please follow the instructions below

1. Click Open Database in SQLite Expert Personal
2. Select the following directory
 - C:\Program Files (x86)\BioStar 2\db
3. On the type dropdown box, click All files (*.*)

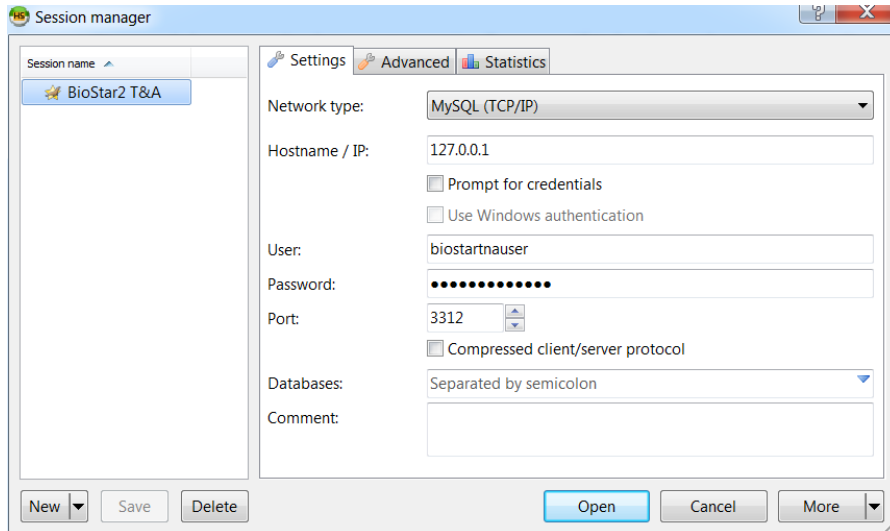


4. Select biostar2.db.log.bk
5. Click OK

How can I open the T&A database?

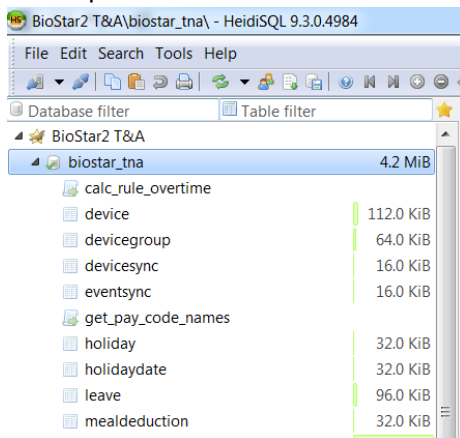
We do not provide Maria database management software. However, a free program you could use is HeidiSQL.

1. You can download it from the following link: <http://www.heidisql.com/download.php>
2. Install the program
3. Launch HeidiSQL
4. A session manager will pop up. Configure it as follows:



- Network Type: MySQL (TCP/IP)
- Hostname / IP: your server IP (or if it is the localhost you can set it as 127.0.0.1)
- User: biostartnauser
- Password: suprematna123
- Port: 3312

5. Click Open



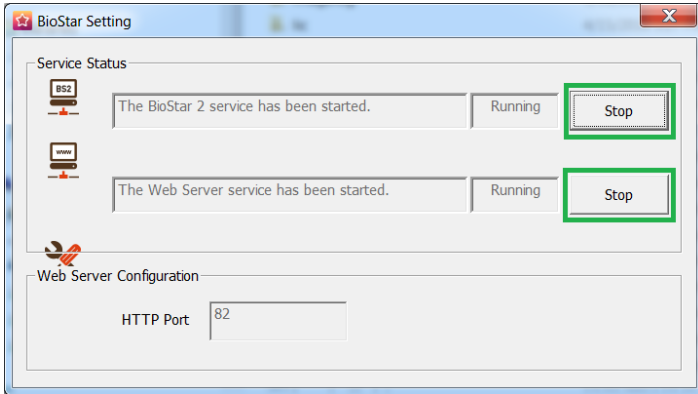
How do I backup and restore the AC database manually?

[Caution] this procedure will only work up to version 2.2.1

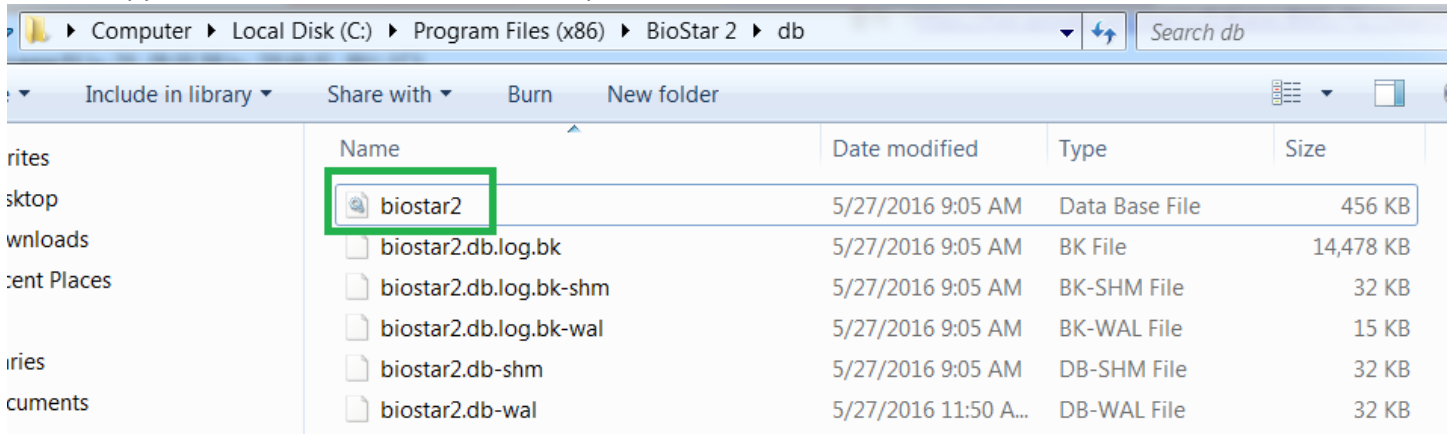
Follow the steps below

Backup the Database

1. Stop BioStar 2 Service in BioStar Setting



2. Copy the **biostar2** database file from the path below to another location



- C:\Program Files (x86)\BioStar 2\db
 - Event logs are stored in **biostar2.db.log.bk** file. Backup this file if necessary as well.

Restore the Database

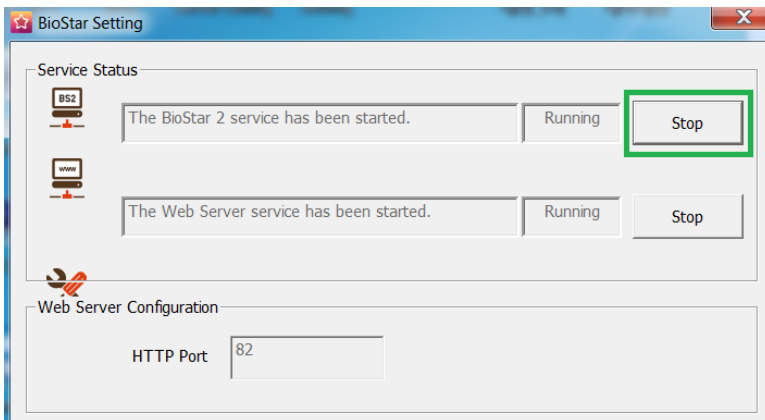
1. paste the backed up database file to the path below and overwrite the files
 - C:\Program Files (x86)\BioStar 2\db

How do I backup and restore the T&A database?

Follow the steps below

Backup the Database

1. Stop BioStar 2 Service in BioStar Setting



2. Run the command below in command prompt with administrative privileges:

- `cd C:\Program Files (x86)\BioStar 2\ta\mariadb-10.1.10-win32\bin`
- `mysqldump --routines --triggers -h 127.0.0.1 -P 3312 -u biostartnauser --password=suprematna123 biostar_tna > backup.sql`

```
Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd C:\Program Files (x86)\BioStar 2\ta\mariadb-10.1.10-win32\bin

C:\Program Files (x86)\BioStar 2\ta\mariadb-10.1.10-win32\bin>mysqldump --routines --triggers -h 127.0.0.1 -P 3312 -u biostartnauser --password=suprematna123 biostar_tna > backup.sql
```

Restore the Database

1. Enter the command below in command prompt with administrative privileges:
 - o cd C:\Program Files (x86)\BioStar 2\ta\mariadb-10.1.10-win32\bin
 - o mysql -h 127.0.0.1 -P 3312 -u biostartnauser --password=suprematna123 biostar_tna < backup.sql
2. Open the T&A database
 - o Update the following 4 fields as null in the **SystemSetting** table: extSystemId, extSystemSessionId, extSystemBiostarSessionId, extSystemSessionUpdateDatetime
 - o You can use the query below to achieve the result:

```
UPDATE `biostar_tna`.`systemsetting` SET `extSystemSessionId`= null, `extSystemId`= null, extSystemBiostarSessionId = null, extSystemSessionUpdateDatetime = null WHERE `id`=1;
```

- Exception: If user synchronization is necessary, change lastUpdateVersionForUserSync field in the SystemSetting table as null as well. You can use the query below

```
UPDATE `biostar_tna`.`systemsetting` SET `lastUpdatedVersionForUserSync`=null WHERE `id`=1;
```