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FAQ, BioStar 2, Maria DB

Maria DB Access and Account Configuration

In BioStar 2.4.1, the following security measures will be introduced (2017 Q2):

- External access to Maria DB is blocked by default
- Only Administrator account for Maria DB is the 'root' account

However this setting is not applied automatically if you are upgrading BioStar 2 from another lower version and if you are using any BioStar 2 version lower than 2.4.1

Blocking Remote Access

Maria DB can be accessed via the IP of the hosting PC by default. You may want to limit the access of the database to be only on the hosting PC for security reasons. In that case you can follow the instructions below:

- 1. Go to the path below in Windows explorer:
- C:\Program Files\BioStar 2(x64)\ta\mariadb-10.1.10-winx64
- 2. Right click and edit **my.cnf** with a text editor such as Notepad.

Computer	 Loca 	al Disk (C:) 🕨 Program Files 🕨 BioStar 2(x64) 🕨 ta 🕨 mariadb-10.1.10)-winx64 🕨
Organize • Include in	library 🖣	Share with Burn New folder		
🔺 🚖 Favorites	*	Name	Date modified	Туре
E Desktop		🐌 bin	11/23/2016 12:57	File folder
🐌 Downloads		👃 data	12/28/2016 7:43 A	File folder
laces		👃 include	10/17/2016 5:31 PM	File folder
		📕 lib	10/17/2016 5:32 PM	File folder
4 🧱 Libraries		📙 share	10/17/2016 5:32 PM	File folder
Documents		👃 sql-bench	10/17/2016 5:32 PM	File folder
D 🕹 Music		COPYING	10/4/2016 5:58 PM	File
D Sectores	=	COPYING.LESSER	10/4/2016 5:58 PM	LESSER File
Videos		COPYING.thirdparty	10/4/2016 5:58 PM	THIRDPARTY File
		CREDITS	10/4/2016 5:58 PM	File
4 🍇 Computer		EXCEPTIONS-CLIENT	10/4/2016 5:58 PM	File
b Local Disk (C:)		my.cnf	10/17/2016 5:32 PM	CNF File

3. Copy and paste the text below into the file: bind-address=127.0.0.1

```
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```

```
[client]
#password = your_password
# port = 3312
# socket = /tmp/mysql.sock
# Here follows entries for some specific programs
# The MariaDB server
   [mysqld]
 port
         = 3312
 character-set-server=utf8
 collation-server=utf8 unicode ci
 socket
              = /tmp/mysql.sock
 skip-external-locking
 key buffer size = 32M
 max allowed packet = 64M
 table open cache = 64
 sort buffer size = 512K
 net_buffer_length = 8K
 read_buffer_size = 256K
 read rnd buffer size = 512K
 myisam sort buffer size = 8M
 max connections = 600
  log bin trust function creators = 1
 bind-address=127.0.0.1
  lower case table names = 1
  log = C:\\Program Files\\BioStar 2(x64)\\ta\\mariadb-10.1.10-winx64\\log\\db.log
```

4. Save the file.

Now you can only access the Maria database at the hosted PC.

Changing the Default Password

If you install BioStar 2 with the express install, a default administrator account will be created for the AC and TA database. Account information is as shown below:

You must know your root password to change the default administrator password of both databases.

The AC DB is Maria DB starting BioStar 2.3. In previous versions it was a SQLite DB.

DB: **Biostar2_ac** ID: biostar2_ac_user PW: biostar2_ac_pw

DB: **BioStar_tna** ID: biostartnauser PW: suprematna123

Follow the instructions below to change the password of the default accounts.

1. Download HeidiSQL.

2. Install and run HeidiSQL.

3. Enter the information below on **Settings**:

- Hostname/IP: 127.0.0.1
- User: root
- **Password:** [your root password]
- Port: 3312

Session manager		? *		
Session name	🥜 Settings 🥜 Ad	🧈 Settings 🥜 Advanced 🏨 Statistics		
 BioStar2 DBs BioStar2 T&A Unnamed Unnamed-1 	Network type:	MySQL (TCP/IP)		
	Hostname / IP:	127.0.0.1		
		Use Windows authentication		
	User:	root		
	Password:	•••••		
	Port:	3312 Compressed client/server protocol		
	Databases:	Separated by semicolon		
	Comment.			
New 🖛 Save De	lete	Open Cancel More		
. Click Open . . Click Tools > Use	er Manager.			
BioStar2 DBs\ - HeidiSQL	. 9.3.0.4984			
File Edit Search Tools	Help			
🔎 👻 🎤 🕒 🛍 🥪 Pr	evious tab Shift+C	trl+Tab 🛷 🗶 🕨		
Database filter	exitiad C	Alt+left		
A 🐳 BioStar2 DBs	ext result tab Ali	t+Right - Dat		

6. Click on each default users (biostar2_ac_user & biostartnauser) and change the password.

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b iostar2_ac

b iostar_tna

information

performance

Image: Image:

Image: Image:

Flush

User manager

Maintenance

Bulk table editor

, Export grid rows

Import CSV file...

Preferences

Launch command line

Export database as SQL

Insert files into TEXT/BLOB fields...

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🤒 User manager - bios	star2_ac	_user	
Select user account:		Credentials Limitations SSL op	tions
🔘 Add 🛛 🗋 Clone 🛛	📮 Dele	User name:	biostar2 ac user
Username 🔺	Н	oser Hamer	
8	lo	From host:	%
biostar2_ac_user	%	Password:	*E0862BC3536FA6BDA3E3765537B4CB55381893AC
🗟 biostar2_ac_user	lo	Repeat password:	
🗟 biostartnauser	%	hepeut pussional	
💩 biostartnauser	lo	Allow access to:	Add object
🖧 root	lo	Image: Solution of the second seco	
🖧 root	1	Database: biostar2_ac	
🔊 root	::1		

7. Click Save.

There are 2 accounts for each users to have different passwords based on connection type. Below are what the **Host** type stands for:

- Localhost : connection via 127.0.0.1 or localhost
- % : connection via host PC IP

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