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# When you forgot the admin password to log in to BioStar 2 Client

Instructions are diffrent based on your BioStar 2 version. Please check your BioStar 2 version before proceeding.

## For BioStar Versions 2.6 and Above

- 1. Go to the following link https://www.python.org/downloads/windows/
- 2. Click Python version 2.7:

## **Python Releases for Windows**

- Latest Python 3 Release Python 3.6.3
- Latest Python 2 Release Python 2.7.14

#### 3. Download the Windows x86-64 MSI Installer.

#### Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		cee2e4b33ad3750da77b2e85f2f8b724	17176758	SIG
XZ compressed source tarball	Source release		1f6db41ad91d9eb0a6f0c769b8613c5b	12576112	SIG
Mac OS X 32-bit i386/PPC installer	Mac OS X	for Mac OS X 10.5 and later	67cf2aed974cd04fe96ddac29758b637	24468530	51G
Mac OS X 64-bit/32-bit installer	Mac OS X	for Mac OS X 10.6 and later	2c959c6ba4ffed23bd102c4e92095fa9	22604859	516
Windows debug information files	Windows		85775bb18b460be79a25c0952b8121f9	24834214	SIG
Windows debug information files for 64-bit binaries	Windows		cf73b28cb8b76ed2374f0b2c710d202a	25620646	SIG
Windows help file	Windows		0f742a733778565ab7ace9aea53c1709	6251855	SIG
Windows x86-64 MSI installer	Windows	for AMD64/EM64T/x64	370014d73c3059f610c27365def62058	20168704	SIG
Windows x86 MSI installer	Windows		fff688dc4968ec80bbb0eedf45de82db	19238912	SIG

- 4. Install with admin privileges.
- 5. Open C:\Program Files\BioStar 2(x64)\util (your BioStar 2 installation folder) with Windows Explorer.
- 6. Open enckey with a text editor.

Computer	<ul> <li>Local Dis</li> </ul>	sk (C:)  Program Files  BioStar 2(x64)	• util ►		_
Include in lit	orary •	Share with  Burn New folder			
	-	Name	Date modified	Туре	Size
p		👢 7zip	6/21/2018 1:17 PM	File folder	
ads		🔔 lib	6/21/2018 1:13 PM	File folder	
Places		accurity	6/21/2018 1:13 PM	File folder	
		BioStarSetup.class	6/7/2018 3:08 PM	CLASS File	4 KB
		CertReader.class	6/7/2018 3:08 PM	CLASS File	7 KB
ents		CertReaderException.class	6/7/2018 3:08 PM	CLASS File	1 KB
		enckey	6/7/2018 3:48 PM	File	1 KB
i		InitPassword.class	6/7/2018 3:08 PM	CLASS File	7 KB
		SortedJsonSerializer.class	6/7/2018 3:08 PM	CLASS File	2 KB

#### 7. Copy the **hash\_key** value.

		크믹스
<ul> <li>Program Files + BioStar 2(x64) + util +</li> </ul>	👻 🏠 Search uti	2
		9= • FI @
enckey - Notepad		
File Edit Format View Help		
<pre> { "BioStar": {     "secure_communication": {         "old_encryption_key": "",         "encryption_key": ",         "device_default_encryption_key": "Zk84009r'         "hash_key": "Bm7CkBcFn9bbn9nCk8tT0Fs         "previous_version_hash_key": "false",         "device_default_hash_key": "Zk84009rW0E6.         "new_administrator_password": ",         "first_migration": false,         "migration_state": {             "category": ",             "page": 0         }     } } </pre>	W0E6XU1bcHxLYHIIXmVtXk1DOGdnXDw OWtoantLeINsPIF(SDc=*) XU1bcHxLYHIIXmVtXk1DOGdnXDwiOgk*	iOwk=", =",

8. Download the following file: BioStar2.6\_admin\_password\_reset.zip

**Notification**: If you have upgraded under BioStar v2.6 and then upgraded to v2.6 or higher version, please use the below tool. UpgradedBioStar2.6\_gen\_passwd\_upgrade.zip

9. Paste the file to your Python folder (C: is default):



10. Download Visual C++ Compiler for Python 2.7: link

11. Install the downloaded installer.

12. Go to (this is based on Windows 7) Control Panel > System > Advanced system settings > Advanced > Environment Variables

- 13. Create a new **user variable** as below:
- Variable name: PYTHON\_HOME
- Variable value: [Your Python installation path] (i.e C:\Python27\)

## **Environment Variables**

User variables for Eth Variable	Value
Edit User Variable	X
Variable name:	PYTHON_HOME
Variable value:	C:₩Python27₩
	OK Cancel

14. On **system variables**, edit the **path** value by adding the item below to the end of the variable value:

#### ;%PYTHON\_HOME%;%PYTHON\_HOME%\Scripts\;

 edit: if using windows 10, You will need to add values separately in a list. One value as %PYTHON\_HOME% and another as %PYTHON\_HOME%\Scripts\

23

Edit System Variable	e	
Variable name:	Path	
Variable value:	_HOME%;%PYTHON_HOME%₩Scripts₩;	
	OK Cancel	
variable	value	
OS	Windows_NT	
Path	C:₩ProgramData₩Oracle₩Java₩jav	Ξ
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;	
PROCESSOR_AR	AMD64	-

15. Click **OK** and then **OK** to apply the settings.

- 16. Run command prompt with *administrator* privileges:
- 17. Type the following and press enter: pip install pycrypto

Administrator: Command Prompt

18. Go to your Python directory by entering cd [python path name]



#### 19. Enter the following: python.exe gen\_passwd.py [hashkey] [password]

- hashkey: the hashkey is val you copied in step 7
- password: your new password

For instance, if I wanted a new password of admin123 it would be as below: c:#Python27>python.exe gen\_passwd.py 2781df3bbb12b67f71c44b54ed5ff859faea1dcce93 5846e96a11248acba61f6 admin123

20. If it ran successfully the result should show on the bottom row as below. Copy that value c:#Python27>python.exe\_gen\_passwd.py\_2781df3bbb12b67f71c44b54ed5ff859faea1dcce93 5846e96a11248acba61f6\_admin123 o1oU0CFiYgqu2Ng6Pt7CKwFoaRE2mZ74TqNAXCkInpA=

- 21. Download HeidiSQL.
- 22. Install and run HeidiSQL.
- 22. Enter the information below on Settings:
- Hostname/IP: 127.0.0.1
- User: root
- Password: [your root password]
- Port: 3312

ession name 🔺	🥜 Settings 🥜 Ad	dvanced 💼 Statistics
<ul> <li>✓ BioStar2 DBs</li> <li>✓ BioStar2 T&amp;A</li> <li>✓ Unnamed</li> <li>✓ Unnamed-1</li> </ul>	Network type: Hostname / IP:	MySQL (TCP/IP)  127.0.0.1  Prompt for credentials
		Use Windows authentication
	User:	root
	Password:	••••
	Port:	3312 Compressed client/server protocol
	Databases:	Separated by semicolon
	Comment:	

- 25. Access Maria DB and open the **t\_usr** table.
- 26. Paste the password into the **PW** column of your desired user:
- Double click the row and then paste the value

Database filter 🖉 Table filte	sr 📩	📕 Host: 127.0.0.1 🕢 D	atabase: biostar2_ac 📃 1	Table: t_usr	ii Data	Query*	-0					
Loupsig	16.0 Ki8 *	biostar2_ac.t_usr: 7 rows	otal (approximately)								IP Next HH Show all T Sorting T G	olumn
t_perm	16.0 KiB		IM	CEN	117	<b>EN</b>	EMI	BTH	PTV .	A LOWD	PW	1 577
T_PERMINSERTED		0 0	ext-system	(1000	(MULT)	(00001)	(0111)	00010	(MILL)	(NULL)	(1000)	00
t_prf	16.0 K/B	1 user gray	e 1 All User Groups	(NULL)	(MULL)	(NULL)	(NULL)	(NULL)	(MULL)	user group 1	(NML)	01
t_rmjb	48.0 KiB	1,001 1	Administrator	м	(NULL)	(NULL)	(NULL)	1977-10-08 04:00:00	(NULL)	admin	w8/XeU7QTINTe8AVL+539VEudSuPQ6eRjnrznm.	200
t_rmjbev	48.0 KiB	1,002 1111	ethan	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	ethan	D3RfGHnQRyh71MgkRh0DGT3cvel/Wcz2oGbPw	200
trmjbzn	48.0 KiB	1,003 5555	Jim (left third)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	jim	D3RfGHnQRyh71MgkRh0DGT3ovel/Nxz2oGbPw	200
t.sch	16.0 KiB	1,004 6666	James (left fourth)	(MULL)	(MULL)	(NULL)	(NULL)	(NULL)	(NULL)	james	D3RfGHrQRyh71MgkRhODGT3cvel/tkiz2x6bPw	200
t_schdl	32.0 KiB	1,005 7777	myədmin	(NULL)	(MULL)	(NULL)	(NULL)	(NULL)	(MULL)	99999	D3RfGHrQRyh71MckRhODGT3ovel/tod2oGbPw	200
L_schditmprds	32.0 KiB										Copy Con	+L
t.shf	32.0 KiB										Paste Carr	**
t shfar	32.0 K/B										This is a UNIX timestamp column	
t shfarshfs	32.0 KIB										Image preview	
t shfaruss	32.0 KIB										Save BLOB to file	
t shful	160 KIB										Insert files into TEXT/BLOB fields	5
t shftmolshfs	160 KiB										O Insert row	Ins
t and	160 68										O Duplicate row Ctrl+1	Ins
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Caseig	200 K/B										.4 Cancel editing E	Esc
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t_tmprd	16.0 KiB										Reset sorting Alt.	+S
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t_usrord	32.0 KiB										S Refresh	F5
t_usrcusfid	32.0 KiB										1	_
A comment	48.0.1/20											

27. Log in to BioStar 2 and check that the user password was reset.

## For BioStar Versions 2.5

It is more complicated to reset your admin password in BioStar 2.5 because of new security features. Follow the steps below.

- 1. Go to the following link https://www.python.org/downloads/windows/
- 2. Click Python version 2.7:



3. Download the Windows x86-64 MSI Installer.

Files					
Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		cee2e4b33ad3750da77b2e85f2f8b724	17176758	SIG
XZ compressed source tarball	Source release		1f6db41ad91d9eb0a6f0c769b8613c5b	12576112	SIG
Mac OS X 32-bit i386/PPC installer	Mac OS X	for Mac OS X 10.5 and later	67cf2aed974cd04fe96ddac29758b637	24468530	SIG
Mac OS X 64-bit/32-bit installer	Mac OS X	for Mac OS X 10.6 and later	2c959c6ba4ffed23bd102c4e92095fa9	22604859	51G
Windows debug information files	Windows		85775bb18b460be79a25c0952b8121f9	24834214	SIG
Windows debug information files for 64-bit binaries	Windows		cf73b28cb8b76ed2374f0b2c710d202a	25620646	SIG
Windows help file	Windows		0f742a733778565ab7ace9aea53c1709	6251855	SIG
Windows x86-64 MSI installer	Windows	for AMD64/EM64T/x64	370014d73c3059f610c27365def62058	20168704	SIG
Windows x86 MSI installer	Windows		fff688dc4968ec80bbb0eedf45de82db	19238912	SIG

4. Install with admin privileges.

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- 5. Access your BioStar 2 AC database.
- Instructions on accessing your DB is shown in the following article: [BioStar 2] MariaDB Access and Account Configuration

#### 6. For BioStar 2.5 : Run the following query:

```
Use biostar2_ac;
SELECT VAL from t_syscfg where SYSCFGUID = '3000';
```

```
1 Use biostar2_ac;
2 SELECT VAL from t_syscfg where SYSCFGUID = '3000';
/ t_syscfg (1×1)
VAL
2781df3bbb12b67f71c44b54ed5ff859faea1dcce...
```

7. For BioStar 2.5 : Right click and Copy the VAL row.

VAL			
2781df3bbb12b67f71c44b54ed5ff859faea1dc	ce		
	PD .	Сору	Ctrl+C
	Ē.	Paste	Ctrl+V
	10	Insert value	•
		This is a UNIX timestam	p column
		Image preview	
		Save BLOB to file	
	Ð	Insert files into TEXT/BL	OB fields
	0	Insert row	Ins
	$\odot$	Duplicate row	Ctrl+Ins
	1	Post	Ctrl+Enter
	~5	Cancel editing	Esc
	0	Delete selected row(s)	Ctrl+Del
		Reset sorting	Alt+S
	. 7	Quick Filter	•
		Export grid rows	
		SQL help	F1
	3	Refresh	F5
	_		

- 8. Download the attachment via the link: <a href="mailto:gen\_passwd.py">gen\_passwd.py</a>
- 9. Paste the file to your Python folder (C: is default):



10. Download Visual C++ Compiler for Python 2.7: link

11. Install the downloaded installer.

12. Go to (this is based on Windows 7) Control Panel > System > Advanced system settings > Advanced > Environment Variables

- 13. Create a new **user variable** as below:
- Variable name: PYTHON\_HOME
- Variable value: [Your Python installation path] (i.e C:\Python27\)

## **Environment Variables**

User variables for Eth	nan	
Variable	Value	
	C: MProgram Files M Java Mire1 8 0, 131	
Edit User Variable	X	
Variable name:	PYTHON_HOME	
Variable value:	C:₩Python27₩ OK Cancel	

14. On **system variables**, edit the **path** value by adding the item below to the end of the variable value:

### ;%PYTHON\_HOME%;%PYTHON\_HOME%\Scripts\;

Edit System Variable	
Variable name:	Path
Variable value:	_HOME%;%PYTHON_HOME%₩Scripts₩;
	OK Cancel
variable	value
OS	Windows_NT
Path	C:₩ProgramData₩Oracle₩Java₩jav
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;
PROCESSOR_AR	AMD64

 $\Sigma$ 

15. Click **OK** and then **OK** to apply the settings.

16. Run command prompt with administrator privileges:

17. Type the following and press enter: pip install pycrypto
Administrator: Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\U009 Wicrosoft Corporation. All rights reserved.
C:\U009 Wicrosoft Corporation
Collecting pycrypto
Downloading pycrypto-2.6.1.tar.gz (446kB)
100% |\U007 |\U009 Witrut \U009 \U009 Witrut \U009 Witrut \U009 Witrut \U009 \U009 Witrut \U009 \U009 Witrut \U009 Witrut \U009 \U009 Witrut \U009 \U009 Witrut \U009 \U009 Witrut \U009

18. Go to your Python directory by entering cd [python path name]



19. Enter the following: python gen\_passwd.py [hashkey] [password]

- hashkey: the hashkey is val you copied in step 7
- password: your new password

For instance if I wanted a new password of admin123 it would be as below: c:\#Python27>python.exe gen\_passwd.py 2781df3bbb12b67f71c44b54ed5ff859faea1dcce93 5846e96a11248acba61f6 admin123

20. If it ran successfully the result should show on the bottom row as below. Copy that value c:#Python27>python.exe gen\_passwd.py 2781df3bbb12b67f71c44b54ed5ff859faea1dcce93 5846e96a11248acba61f6 admin123 o1oU0CFiYgqu2Ng6Pt7CKwFoaRE2mZ74TqNAXCkInpA=

- 21. Access Maria DB again and open the t\_usr table.
- 22. Paste the password into the PW column of your desired user:
- · Double click the row and then paste the value

tabase filter 🖉 Table filter	*	# Host: 127.0	0.0.1 🕢 Datab	ase: biostar2_ac 📃 T	able: t_usr	II Data	Query*						
Loupsig	16.0 Ki8 *	biostar2 act u	er 7 mes total	(approximately)								In Next Bill Show all	Colu
t_perm	16.0 KiB	Crostar a jaco ja	and a restance of the	(approximately)									-
T_PERMINSERTED		USRUED	USRID	NM	GEN	TIT	PH	EML	втн	PIN	LGNID	PW	
t prf	16.0 K/B	0	0	ext-system	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	
t,mjb	48.0 K/B	1.001	1	Administrator	M	(NULL)	(NULL)	(NULL)	1977-10-08-04:00:00	(MULL)	admin	WEXELFOT INT ABAVL+SINDUCSUPDSeEmrzne	
t_rmjbev	48.0 KiB	1,002	1111	ethen	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	ethan	D3RfGHnQRyh71MqkRh0DGT3cvel/Noz2oGbPw	v
t_rmjbzn	48.0 KiB	1,003	5555	Jim (left third)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	jim	D3RfGHnQRyh71MgkRh0DGT3cvel/Nxz2xGbPw	v
t.sch	16.0 KiB	1,004	6695	James (left fourth)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)	james	D3RfGHinQRyh71MigkRhODGT3ovel/likiz2oGbPw	ų
t_schdl	32.0 KiB	1,005	7777	myədmin	(NULL)	(MULL)	(NULL)	(NULL)	(NULL)	(MULL)	999995	D3RfGHr0Ryh71MckRh0DCT3cvel/toz2xGbPw	
L schditmprds	32.0 KiB											Lin Copy Ct	11+
t_shf	32.0 KiB											Paste Cr	111+
t shfor	32.0 K/B											This is a LIND( timestamp column	ma
t shlarshfs	32.0 KiB											Image preview	
t shfaruss	32.0 K/B											Save BLOB to file	
t shful	160 KIB											Insert files into TEXT/BLOB fiel	ids
t shftmpishfs	160 KiB											Insert row	ł
t and	160 KB											O Duplicate row Ctrl	1+1
1 sacia	160 KiB											Post Ctrl+E	Ent
t takey	320 KiB											.4 Cancel editing	E
t tennot	160 KiB											Delete selected row(s) Ctri-	+D
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t um	1120 KB											Quick Filter	
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U unand	220.62											SQL help	
Custon	32,0 KIB											S Refresh	
Cusicistia	32.0 K/B												

13/17

22. Log in to BioStar 2 and check that the user password was reset.

## For BioStar Versions 2.3.0 to 2.4.1

- This only applies to MariaDB which was implemented starting version 2.3.0
- Back up your database before proceeding.

The bat. script below resets the default administrator of BioStar 2.

You must know the password of your MariaDB root account to reset your BioStar admin password.

- 1. Download the following file: biostar2.3\_resetpw.zip
- 2. Extract the file.

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- 3. Run the file with administrative privileges.
- 4. Follow the instructions in the script.

## For BioStar Versions 2.0~2.2.2

This only applies to the SQLite AC database up to version 2.2.2

When you forgot the login password for the BioStar2 administrator account, you may initialize the administrator password back to the default password. This process will requires you to install DB

Browser for SQLite. You can download this application from the following website at http://sqlitebrowser.org.

Please download and install the package that compatible with your current operating system.

1. Run DB Browser for SQLite.

2. Open existing BioStar2 database by selecting **Open Database** menu. The default location for BioStar2 db is **C:\Program Files (x86)\BioStar 2\db\biostar2.db**.



- 3. Please go to the Execute SQL tab to run the following SQL query statement.
- This will reinitialize an administrator password to "admin" which was the default admin password.



1) Type the following query in the query editor.

UPDATE T\_USR SET PW="DOTCsGaK2r257qdAydJ6yrmG4mrmST2G4bT5Fz0aIeE=" WHERE USRID=1; 2) Press button or F5 to execute the query statement.

Datab	ase Structure	Browse Data	Edit Pragmas	Execute SQL						
-0		▶ H								
squ	1 🛛	Execute SQL [	[F5, Ctrl+Return]	)						
1	UPDATE	T_USR SET P	W="D0TCsGaK2	r257qdAyd36yr	mG4mrmST2G	4bT5Fz0aIeE="	WHERE USRID=1	;		
4							ш			
4							m		 	
4							m		 	
4							m			
ł							ш		 	
•							m		 	
•							п		 	
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4. Click **Write Changes** button to save the changes.

/8 Browser for SQLite - C:/Program Files (x86)/BioStar 2/db/biostar2.db	
Edit View Help	
New Database Conen Database	
Then paramate . The observations . If the countries . The second se	
atabase <u>S</u> tructure <u>B</u> rowse Data Edit <u>P</u> ragmas Execute SQL	
SQL 1 🛛	
1 UPDATE T. USB SET PW="D0TCsGaK2r257cdAvd]6vrmG4mrmST2G4hT5E20aTeE=" WHERE USBID=1	
4 m	

5. Open BioStar2 Client web site and please enter *admin* for both ID and password.

*	Bio	Star 2
admin		
		Login

From: http://kb.supremainc.com/knowledge/ -

Permanent link: http://kb.supremainc.com/knowledge/doku.php?id=en:2xfaq\_when\_you\_forgot\_the\_admin\_password\_to\_log\_in\_to\_biostar2\_client&rev=1580189908

Last update: 2020/01/28 14:38