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#### BioStar 2, Install, database

# How to Install BioStar 2 with Maria DB

BioStar 2 is a web-based, open, and integrated security platform that provides comprehensive functionality for access control and time & attendance. There are two types of databases to use in BioStar 2 (Maria DB and MSSQL). The databases each have different methods for installing BioStar 2. Here, we will cover how to install BioStar2 with Maria DB step-by-step.

Before installing BioStar 2, please refer to the BioStar 2 Installation Guide at BioStar 2 Package to check the system requirements for your computer.

It	em	Small	Medium	Enterprise					
Environment	Total Devices	1 to 50	51 to 100	101 to 1,000					
	OS	Windows 7(SP1 or high R2(SP2 or higher), Wind 2016, Windows Server 2 • Windows virtual env	Windows 7(SP1 or higher), Windows 8, Windows 8.1, Windows 10, Windows Server 2008 R2(SP2 or higher), Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019 • Windows virtual environments on Mac Boot Camp are not supported.						
System requirement (Server)	Database	MariaDB 10.1.10, MS SO SP1, MS SQL Server 201	QL Server 2012, MS SQL Server 7, MS SQL Server 2019	2014 SP2, MS SQL Server 2016					
	CPU	2 GHz Dual Core 4 GHz Quad Core		4 GHz 16 Core					
	RAM	8 GB	16 GB	32 GB					
	SSD	512 GB	1 TB	1 TB					
System	CPU	1 GHz	1 GHz	1 GHz					
requirement	RAM	4 GB	4 GB	4 GB					
(Client)	Web Browser	Google Chrome 75 or later							

### System Requirements

**BioStar 2 Video Extension** 

Item	Medium	Recommended
CPU	4 GHz Quad Core	4 GHz Quad Core
RAM	8 GB	16 GB
HDD	2 TB	4 TB

# **BioStar 2 Installation**

1. Download the latest BioStar 2 Setup file at BioStar 2 Package. You can choose the (x64) or (x86) setup based on your computer's system requirements.

2. After downloading the BioStar 2 setup file, right-click and click "Extract All...".

3. Right-click the BioStar 2 Setup and run as administrator.

4. Select Setup Language.

5. After carefully reading the license agreement, select "I accept the agreement" and click "Next >" to proceed.

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ense Agree	ment			10
Please read	he following importa	ant information before o	ontinuing.	ų
Please read agreement b	the following License efore continuing wit	Agreement. You must a h the installation.	accept the terms of t	his
	Software En	nd User License Agre	eement	^
		SUPREMA INC.		
	SOFTWA	ARE LICENSE AGREEME	ENT	
PLEASE R	EAD THE FOLLOW	WING TERMS AND C NG THE SOFTWARE O	ONDITIONS CAREF	ULLY IYING V
I accept t	he agreement			
OI do not a	ccept the agreemen	nt		

6. The first account that will be used to login to BioStar 2 will be the admin. Customize the admin password based on the password requirements displayed at the Setup. Please note that it is difficult to recover the admin password, so make sure to not forget the admin password once you have set it. Click "Next >" to proceed.

ជ	Setup - BioStar 2(x64)			-		×
	Admin User Enter the password for	admin user.			Į	3
	Username :	admin				
	Password :	••				
	Confirm password :					
	1. It must contain betw	een 8 and 16 cha	racters.			
	<ol><li>It can contain only E and certain special d</li></ol>	nglish letters, nun haracters (e.g. !,	bers from 0 to 9, \$, #, %).			
	3. It must contain at lea	ast one alphabet o	character and at lea	st one number.		
	Warning -Admin user password i	nust be managed	carefully not to be t	forgotten.		
			< Back	Next >	Can	cel

7. Choose "Express installation" as the Database installation type.



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8. Set the password for the Maria DB root account. The procedure is very similar to the setup for the admin password.

9. Select destination location for the installation.

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10. Select the folder for the Encrypt Key Storage Directory. The encrypt key is critical for operating BioStar 2, and please do not alter the location of the file or the file once you have set the location. Click "Next >" to proceed.



11. Read the Responsibility for protecting personal information.



12. Here, you can customize the port setting. Change the default port setting if that port is being used.

Setup - BioStar 2(x64)	_		×
Port Setting Port Setting Enter a valid port number.			R
HTTPS Port for Web Server			
Enter the desired port number between 10 and 65534. The default port number is 443.			
443 Availability: OK			
Device Port for Communication			
Enter the desired port number between 10 and 65534. The default port number is 51212.			
51212 Availability: OK			
< Back Ne	xt >	Car	ncel

13. Select the components to be installed at BioStar 2. Choose the USB Device Agent if the installation of the USB Fingerprint Reader (BioMini Plus 2) or the USB Card Reader (DE620) is required. If you install the USB Device Agent, you will need to restart your computer to complete the installation process.

lect Components Which components should be installed?	
Select the components you want to install; clear install. Click Next when you are ready to continu	the components you do not want to ue.
Full installation	
BioStar 2	3,650.7 M
··· 🗹 Server	3,650.7 M
USB Device Agent	
Current selection requires at least 3,736.0 MB of	f disk space.
content beleevent equiles at least of root of the	

13-1. If BioMini Plus 2 is currently connected to your PC, please remove it from the USB port before installation.

13-2. Install the certificate for the Thumbprint.

13-3. Install the Suprema Fingerprint Scanner Driver and the InstallDriver for the USB Card Reader(DE620).

14. After the installation process has been completed, open BioStar 2 Settings to confirm the system status. Check the Service Status and the HTTPS Port.

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#### 😰 BioStar Setting

-	Core web Server servi	Running	Stop	
BS2 The	BioStar 2 service has b	Running	Stop	
T&A	T&A Web Server service	ce has been started.	Running	Stop
The	Video License is not ac	tivated.	Stopped	Start
eb Server Conf	iguration TPS Port 456 Configuration			
eb Server Conf HT tabase Server DB Type	iguration TPS Port 456 Configuration Maria DB			
eb Server Conf HT tabase Server DB Type Host	iguration TPS Port 456 Configuration Maria DB 127.0.0.1	Port 3	312	
eb Server Conf HT tabase Server DB Type Host	iguration TPS Port 456 Configuration Maria DB 127.0.0.1 Database Name	Port 3 Database User	312 Database Passw	vord
eb Server Conf HT tabase Server DB Type Host AC	iguration TPS Port 456 Configuration Maria DB 127.0.0.1 Database Name biostar2_ac	Port 3 Database User biostar2_ac_user	312 Database Passw	vord
eb Server Conf HT tabase Server DB Type Host AC TA	iguration TPS Port 456 Configuration Maria DB 127.0.0.1 Database Name biostar2_ac biostar_tna	Port 3 Database User biostar2_ac_user biostartnauser	312 Database Passw	vord

## How to Install Certificate for BioStar 2

If you try to open BioStar 2 right after installation, you will get the following privacy error message. Currently, there is no certificate installed at BioStar 2. So, the web protocol is displaying "Not secure." Please refer to How to configure HTTP or HTTPS protocol for steps to install the certificate for BioStar 2. Then, it will be displayed as "Connection is secure."

<u>6</u>	BioStar	2				×	•	÷
~	$\rightarrow$	C	▲	Not s	ecure	h	ttps://	/192.1



Note: For the best experience at BioStar 2, use Google Chrome as the browser to access BioStar 2.

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