

# **Suprema Webinar**

## **Overview of BioStar 2's Latest Release (v2.7.11-v2.7.14) & How to Use Suprema Mobile Access**

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### **Speaker**

**Laney Lee**

**Technical Support Engineer | Suprema**

**Date: Monday, April 27, 2020**

**Time: 4:00 PM, GMT +9 , Seoul**

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## **Overview of BioStar 2's Latest Release (v2.7.11-v2.7.14) & How to Use Suprema Mobile Access**

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### **Speaker**

**Laney Lee**

**Technical Support Engineer | Suprema**

**Date: Tuesday, April 28, 2020**

**Time: 8:00 AM, GMT +9 , Seoul**

# FAQ about Suprema Webinar

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- ✓ After this webinar, you can also find the information with including QA list to the below site. Search **Suprema Webinar** on the site. Or, simply google it.
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#### [CoreStation] All about CoreStation 📄

Created by: Kate Yu

Modified on: Sun, Apr 19, 2020 at 9:25 PM

#### Suprema Webinar\_01 : All about CoreStation

CoreStation is Suprema's Intelligent Biometric Controller. It's 4 door access controller. It matches all types of credentials such as Card, Biometrics and Mobile credential. It is compatible with all standard readers. Because of easy scalability of the system, it's suitable for SMB to Enterprise system. It is also easy to setup and configure through Webserver and application.

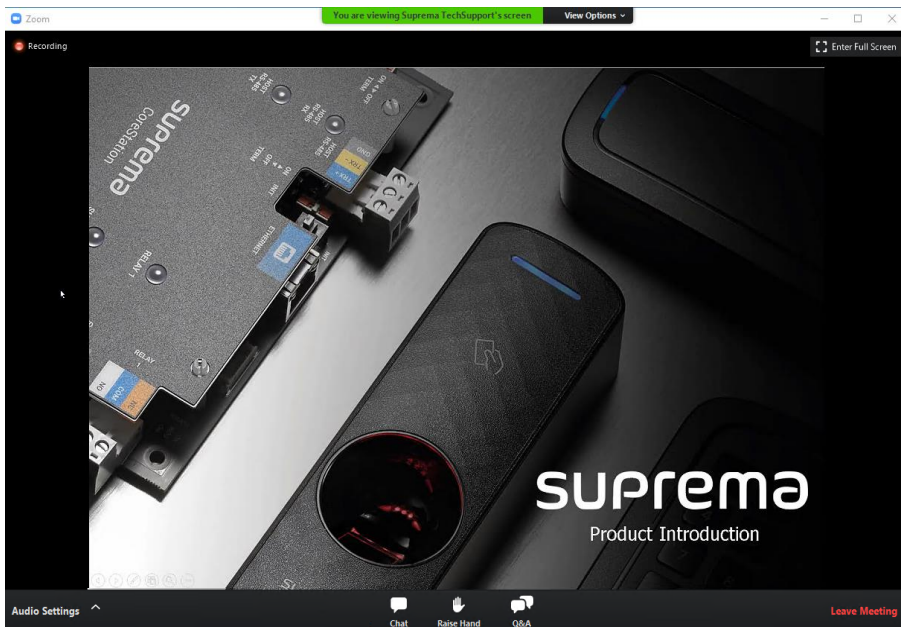
For more details about the webinar, please refer the below description, and download the attached presentation file.  
(The recorded Video File: Click [here](#).)

#### What we covered in this webinar:

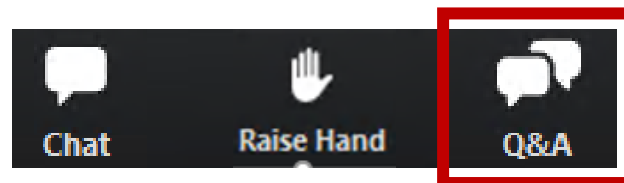
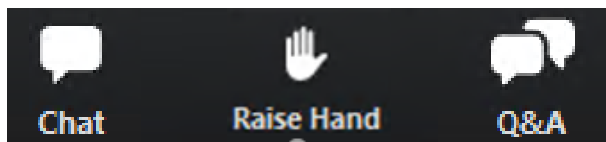
Knowing CoreStation and selling points  
Learning how to make Centralized System with CoreStation

# FAQ about Suprema Webinar

## ❖ How I inquiry during Webinar session?



Please mouse over on the bottom of your screen, the 3 buttons as following will come out.



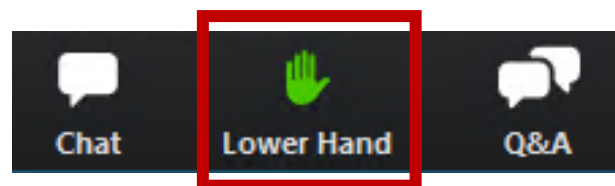
### 1) [Q&A] Box for leaving your question

- ✓ During doing webinar, you can leave your questions to **QA box anytime.** Suprema agents in panels will answer in real time.

# FAQ about Suprema Webinar

## ❖ How I inquiry during Webinar session?

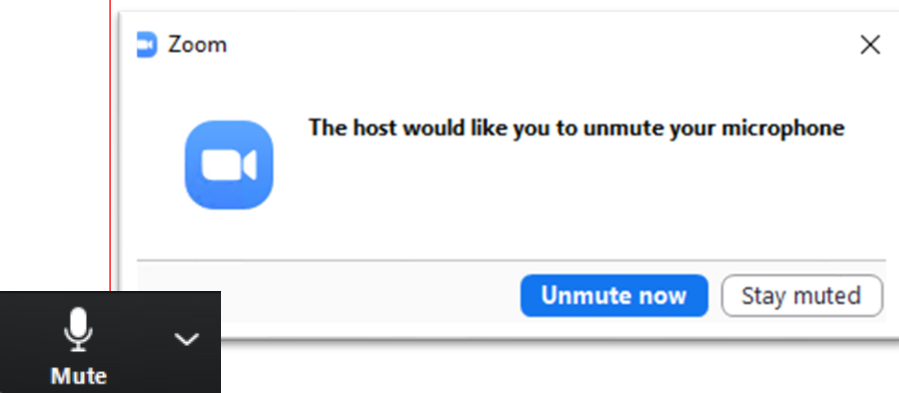
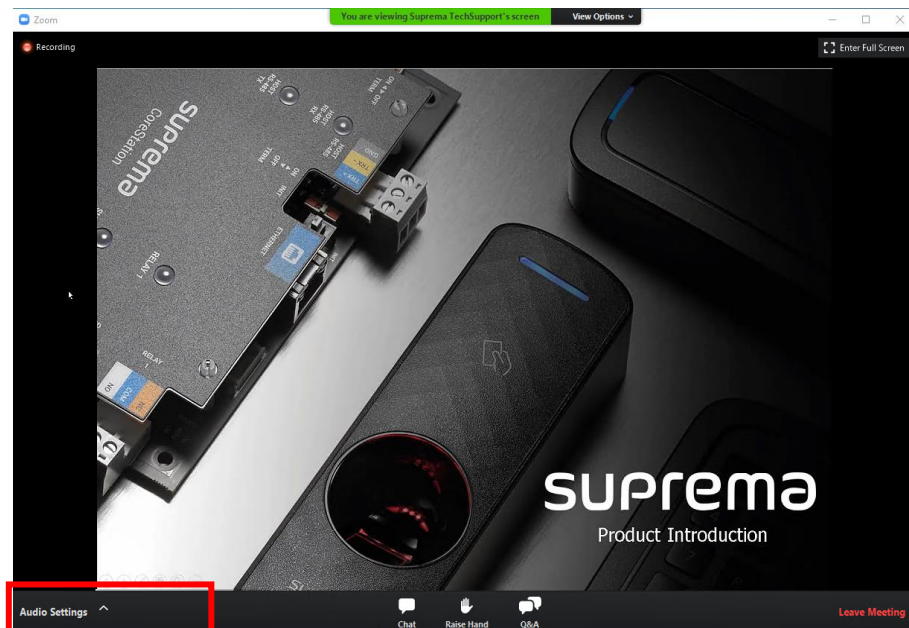
### 2) [Raise Hand] for Question Session



Please click on [Raise Hand] on the menu bar if you have any questions. The color will turn to Green.

Host will allow to unmute your microphone and you will be available to unmute your microphone at the time.

But you can also click [Raise Hand] during webinar anytime if you have questions.



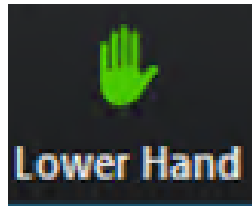
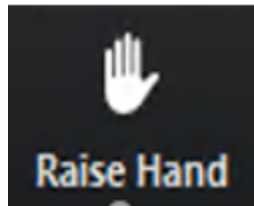
# FAQ about Suprema Webinar

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## ❖ How I inquiry during Webinar session?

### Notification: Question Session

- ✓ Between the presentation progress, We will have QA session to make the interactive webinar.
- ✓ You can leave your questions through **QA box**.
- ✓ Or you can raise your hand from the menu bar, and you will be available to **unmute your microphone** once the host confirms your sign from Attendee's list.
- ✓ ***When you speak through a microphone***, please **introduce your name and question**. *We will answer one by one, so please kindly wait for your turn.*



# BioStar 2.7

## New Feature Introduction (2.7.11 ~ 2.7.14)

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### Speaker

Laney Lee

Technical Support Engineer | Suprema

# Contents

- 1. New Features in BioStar v2.7.11**
- 2. New Features in BioStar v2.7.12**
- 3. New Features in BioStar v2.7.14**
- 4. Major Bug Fixes**
- 5. Q&A**

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# New Features and Improvements

**BioStar v2.7.11**

## Enhanced Security Settings

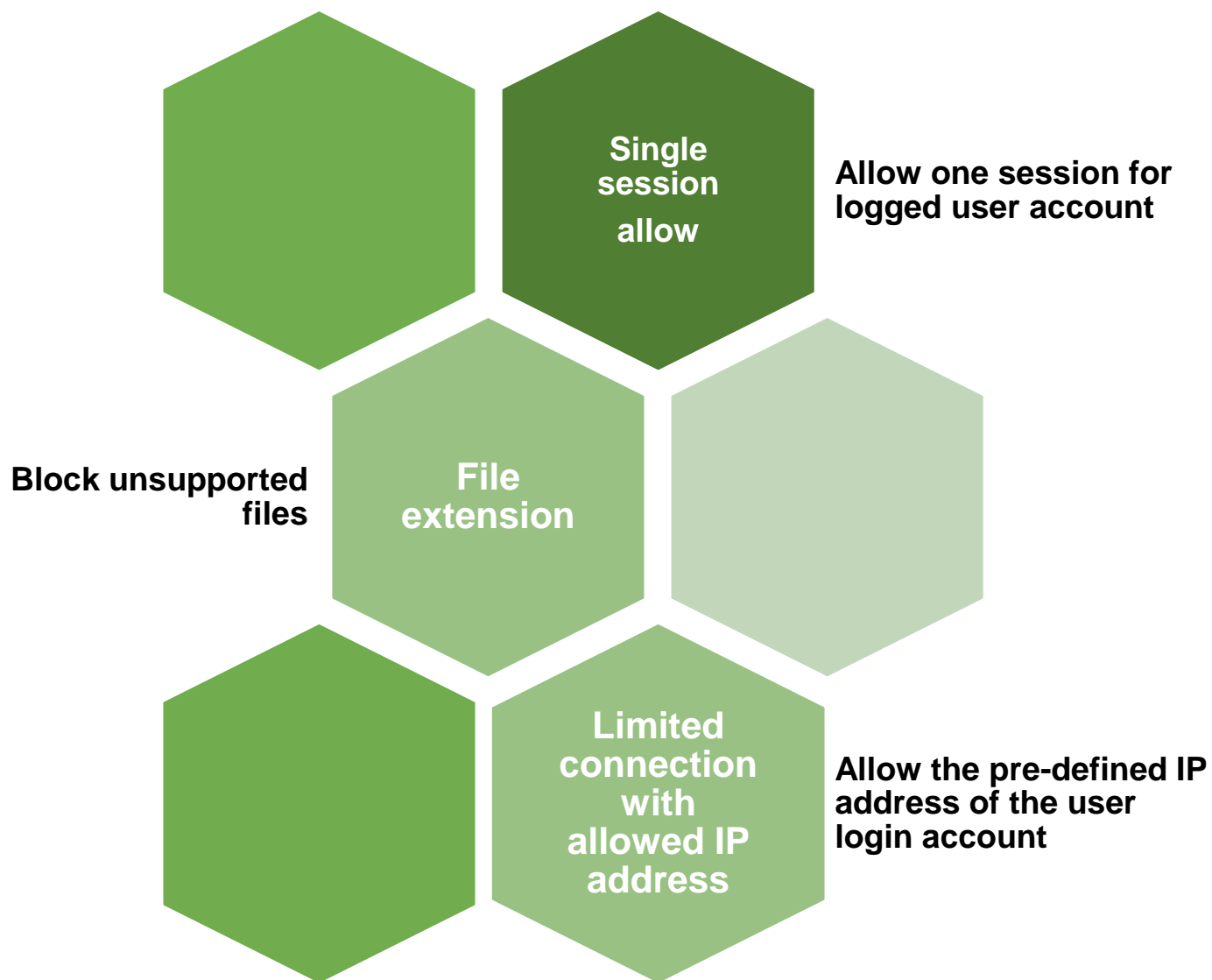
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**SECURITY**

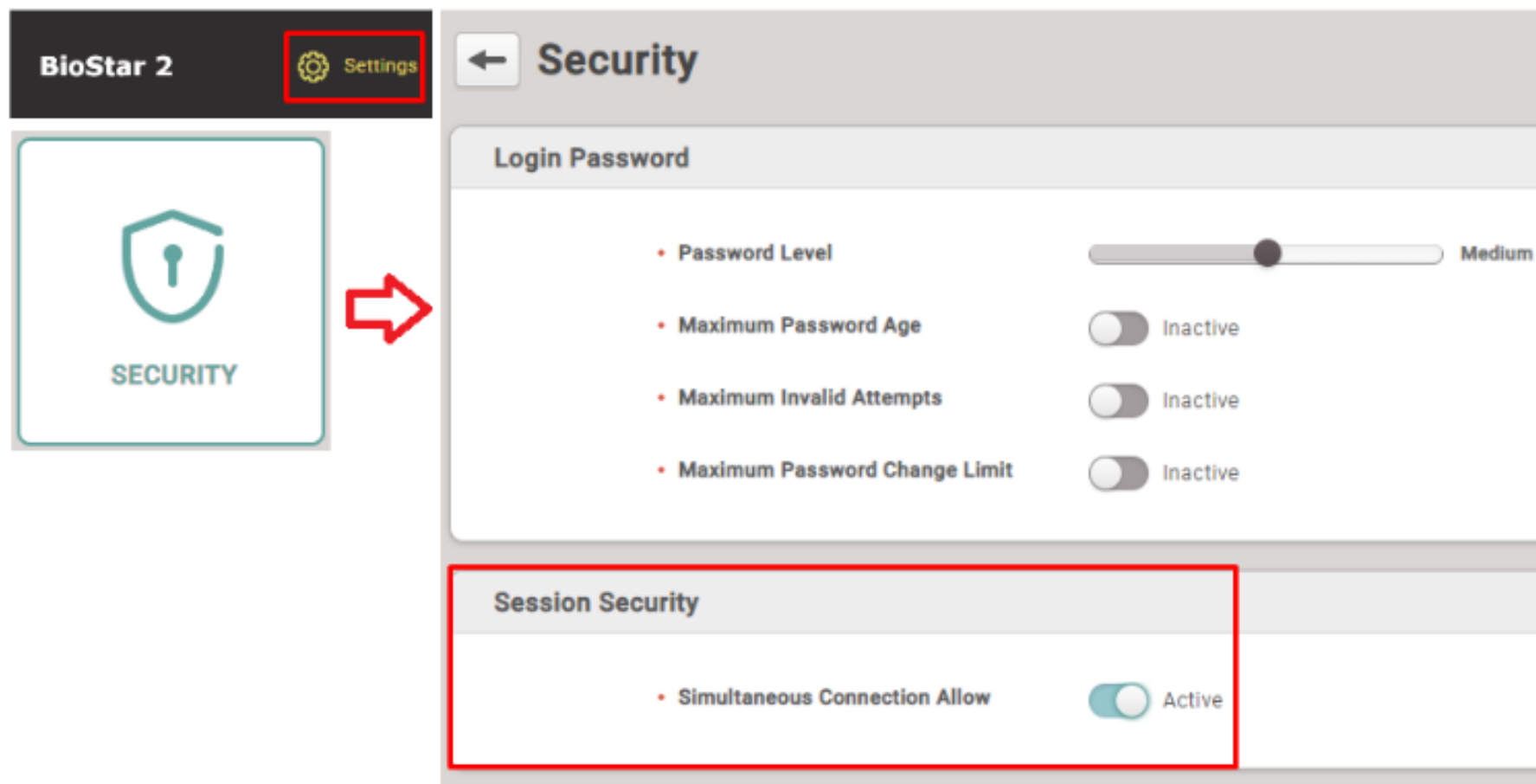
# Enhanced Security Settings

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# Enhanced Security Settings – Session Security

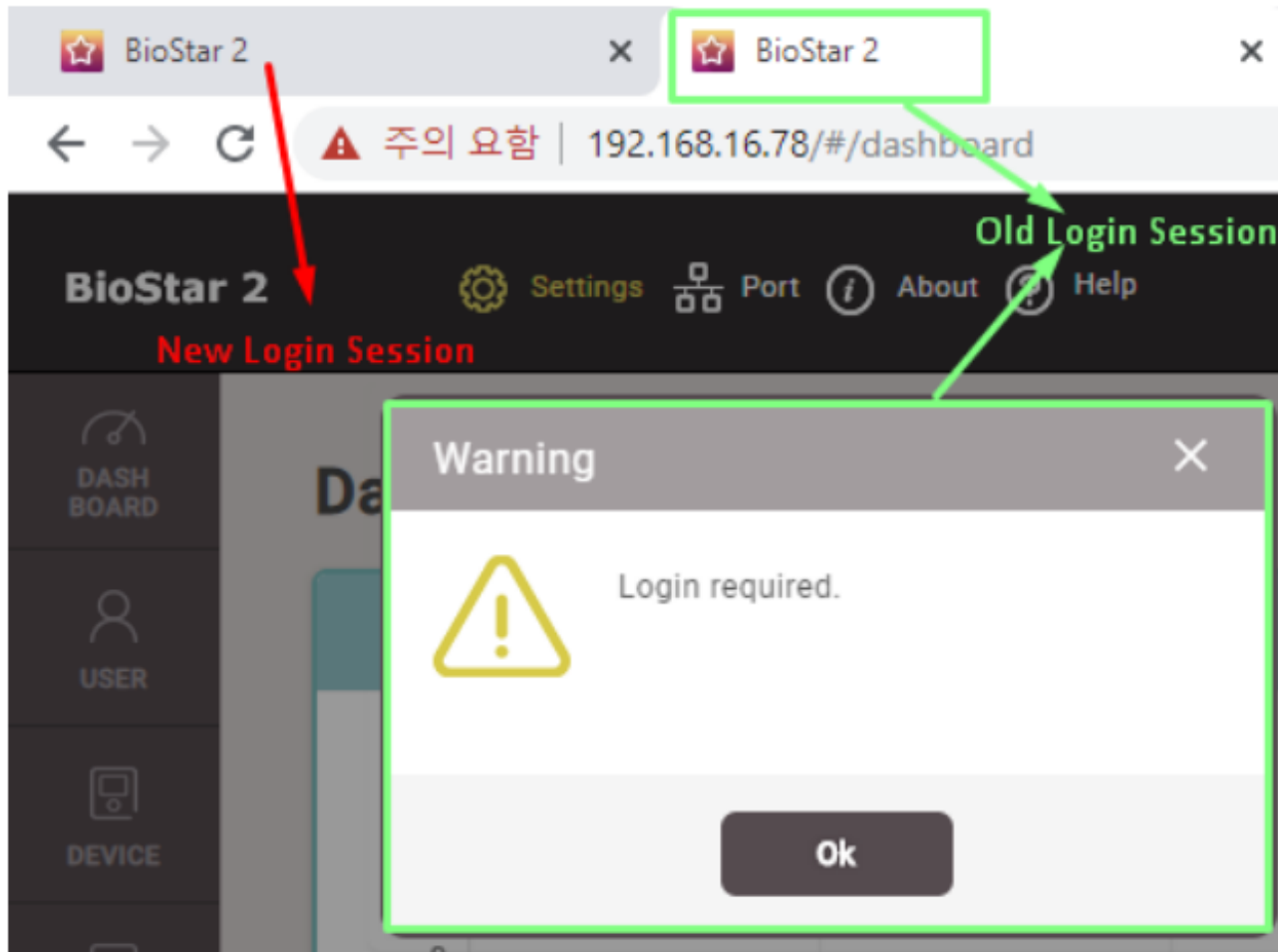
- ✓ Improved to select whether to allow simultaneous access using the same account.



<https://support.supremainc.com/en/support/solutions/articles/24000048892--biostar-2-enhanced-security-settings-in-biostar-2-7-11->

# Enhanced Security Settings – Session Security

- ✓ Improved to select whether to allow simultaneous access using the same account.



<https://support.supremainc.com/en/support/solutions/articles/24000048892--biostar-2-enhanced-security-settings-in-biostar-2-7-11->

# Enhanced Security Settings – Extension Check

- ✓ Check file extensions to limit malicious file uploads

Menu	Feature	Supported File Extension
User	Photo	.png
Device	Home Screen > Logo	.tiff, .pjp, .jpeg, .jfif, .webp, .tif, .bmp, .png, .jpeg, .svgz, .jpg, .gif, .svg, .ico, .xbm, .dib
Device	Home Screen > Logo > Slide Show Enabled	.tiff, .pjp, .jpeg, .jfif, .webp, .tif, .bmp, .png, .jpeg, .svgz, .jpg, .gif, .svg, .ico, .xbm, .dib
Monitoring	Graphic Map > Background	.gif, .jpg, .png, .bmp, .jpeg

# Enhanced Security Settings – Allowed IP address

- ✓ Limited to connect when the IP information of the account and the IP information of the accessing PC match when logging in by adding an IP address item to the user information

The screenshot shows the BioStar 2 user management interface. The top navigation bar includes 'BioStar 2', 'Settings', 'Port', 'About', and 'Help'. The user 'Kate' is logged in, as indicated by the 'Logout' button. The left sidebar contains navigation options: 'DASH BOARD', 'USER', 'DEVICE', 'DOOR', 'ELEVATOR', 'ZONE', and a plus icon. The main content area is titled 'Kate' and shows the 'Information' tab. The user's profile is displayed with a placeholder photo and a '+ Add Photo' button. The user's details are as follows:

Field	Value
Name	Kate
ID	2
Group	All Users
Period	2001/01/... 00:00 ~ 2030/12/... 23:59
Operator Level	Administrator
Login ID	kate
Password	.....
Email	abc@dfg.co.kr
Telephone	
Status	Active
Access Group	Full Access Group
USER IP	192.168.16.32

A red arrow points to the 'USER IP' field, which contains the value '192.168.16.32'.

<https://support.supremainc.com/en/support/solutions/articles/24000048892--biostar-2-enhanced-security-settings-in-biostar-2-7-11->

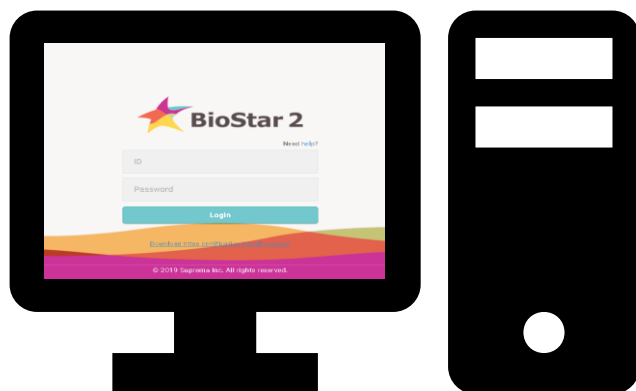
# Enhanced Security Settings – Allowed IP address

  
**USER**

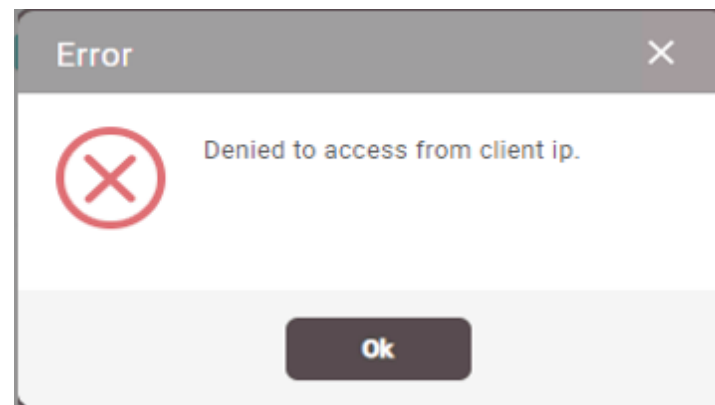
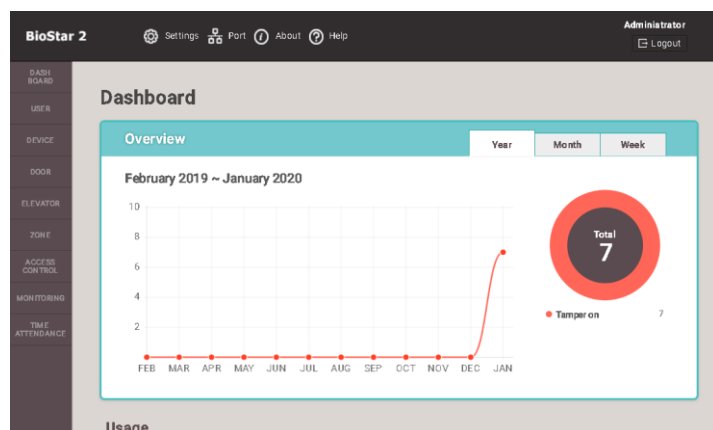
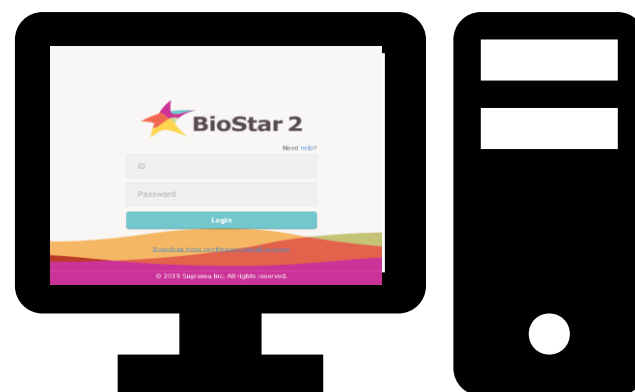
- Login ID
- Password

- USER IP

192.168.16.32



192.168.16.34

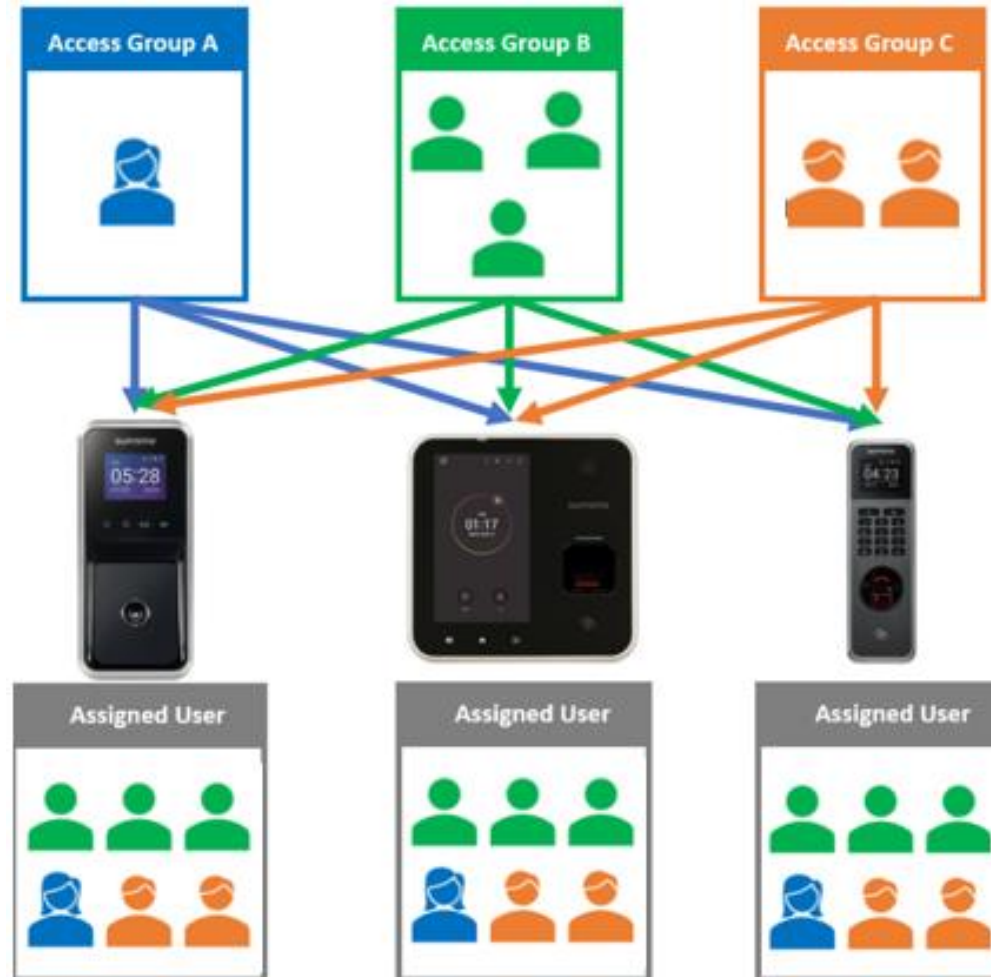


<https://support.supremainc.com/en/support/solutions/articles/24000048892--biostar-2-enhanced-security-settings-in-biostar-2-7-11->



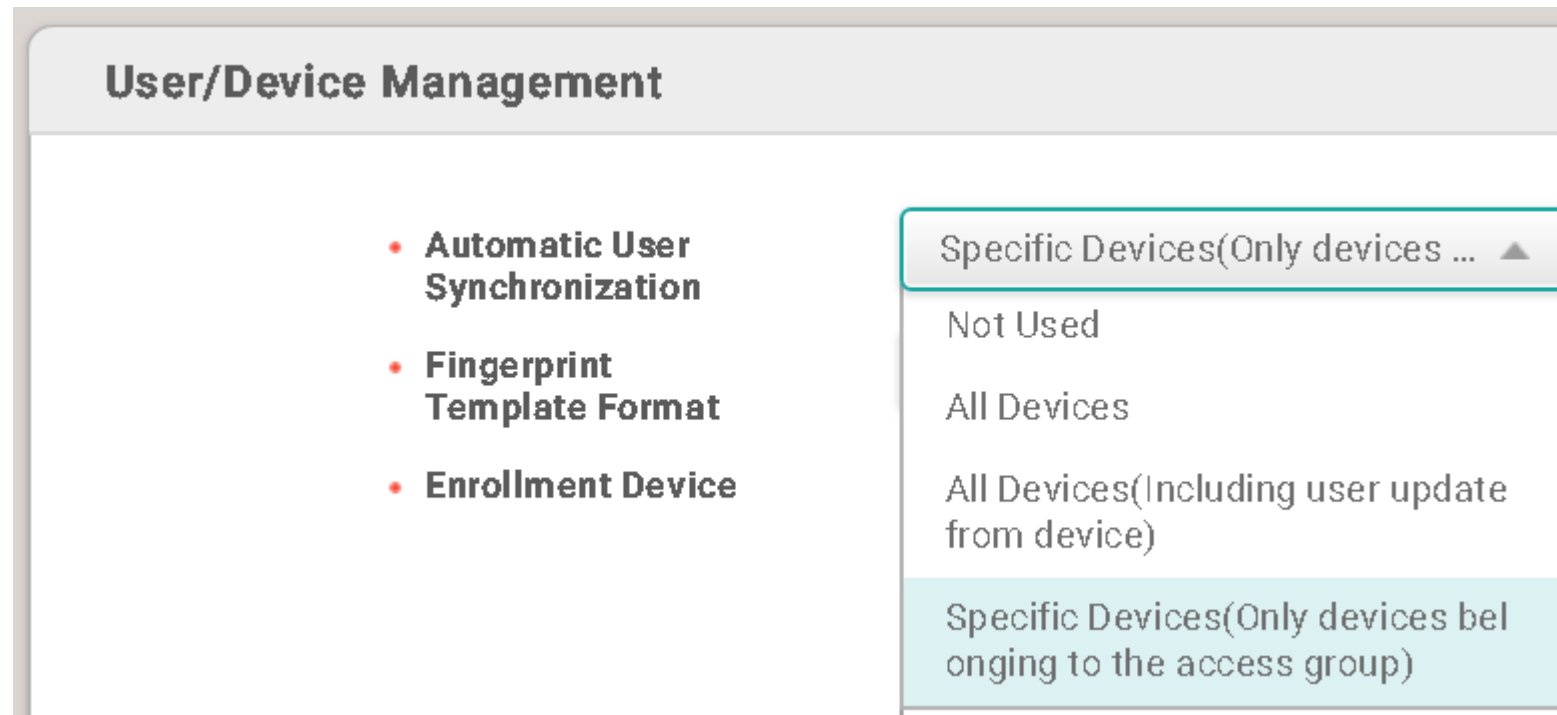
## 'Specific Devices(Only Devices Belonging to the Access Group)' Option

- ✓ Background
  - Can't transfer users to devices due to the user capacity of the device.



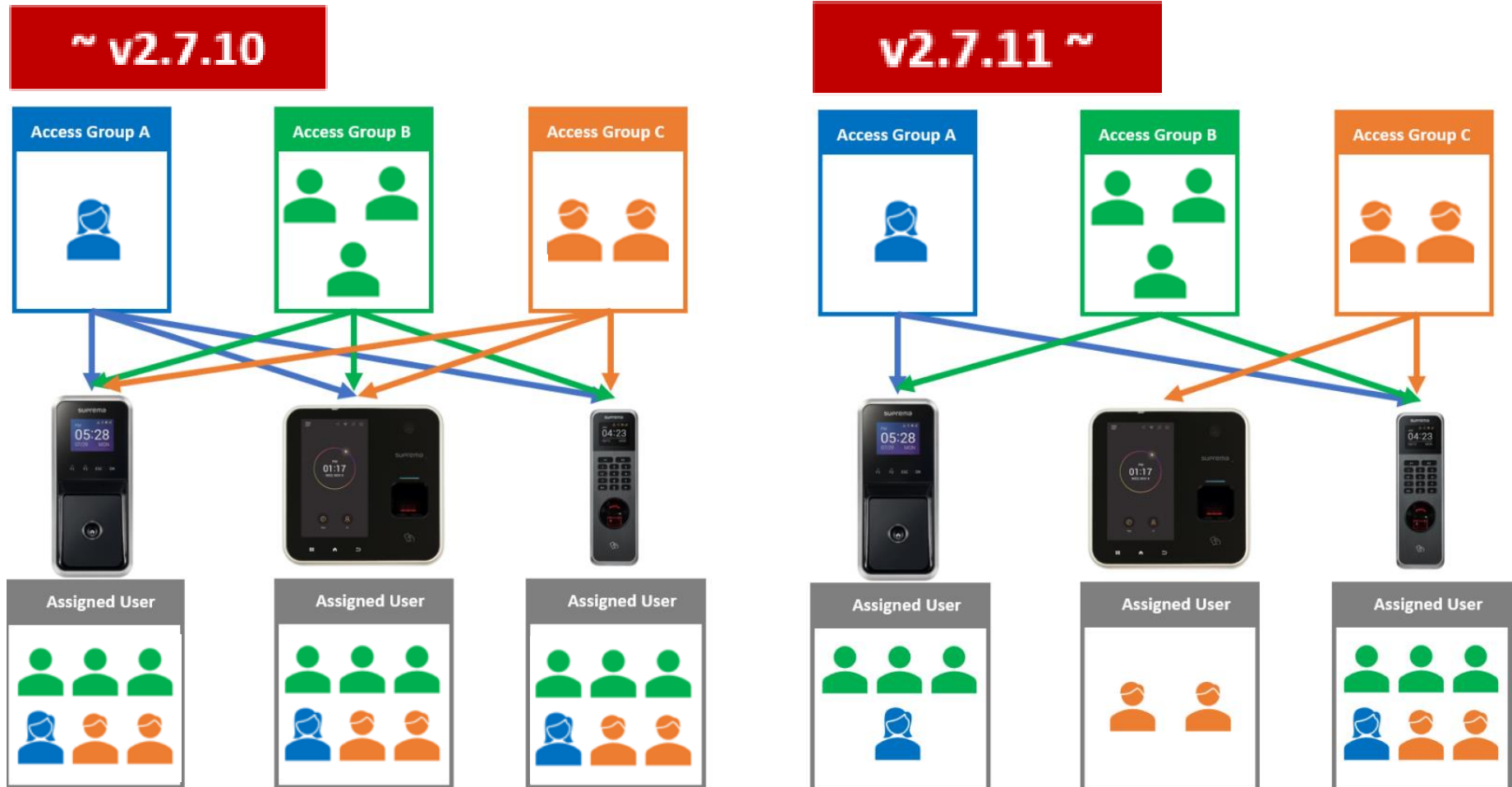
## 'Specific Devices(Only Devices Belonging to the Access Group)' Option

- ✓ Depends on the access group configuration, user data will automatically sync by belonged devices.



## 'Specific Devices(Only Devices Belonging to the Access Group)' Option

- ✓ Depends on the access group configuration, user data will automatically sync by belonged devices.



# New Features and Improvements

**BioStar v2.7.12**

# Enhanced Security Settings – Code Signing

- ✓ Applied the code signing on BioStar2 Installation File including executable and library files



## BioStar 2 Setup(x64).2.7.12.39.exe

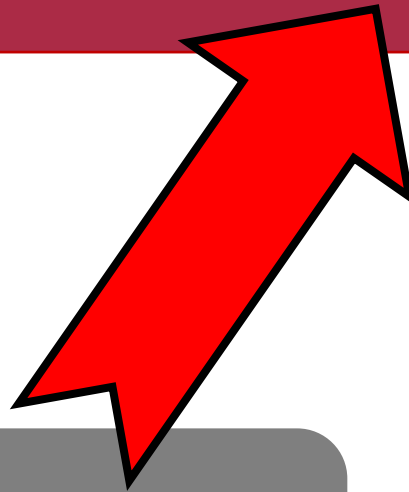
← → ↕ ⬆ ⬇					This PC > Local Disk (C:) > Program Files > BioStar 2(x64)				
		Name	Date modified	Type	Size				
★ Quick access		ve	1/20/2020 6:18 PM	File folder					
Desktop		auth_gssapi_client.dll	10/21/2019 5:27 PM	Application exten...	492 KB				
Downloads		biostar2-webapp.jar	12/27/2019 2:19 PM	Executable Jar File	54,183 KB				
Documents		biostar-server.exe	1/10/2020 5:00 PM	Application	18,611 KB				
Pictures		biostar-setting.exe	1/10/2020 5:00 PM	Application	4,180 KB				
BioStar 2(x64)		caching_sha2_password.dll	10/21/2019 5:27 PM	Application exten...	517 KB				
OneDrive		client_ed25519.dll	10/21/2019 5:27 PM	Application exten...	557 KB				
This PC		db-converter.exe	1/10/2020 5:00 PM	Application	4,029 KB				
Network		dialog.dll	10/21/2019 5:27 PM	Application exten...	496 KB				
		hs_err_pid5132.log	1/29/2020 3:51 PM	Text Document	32 KB				
		hs_err_pid7016.log	1/29/2020 3:49 PM	Text Document	27 KB				
		hs_err_pid9640.log	1/29/2020 3:50 PM	Text Document	28 KB				
		hs_err_pid11684.log	1/29/2020 3:49 PM	Text Document	27 KB				
		launcher.conf	1/30/2020 9:33 AM	CONF File	1 KB				
		launcher.exe	1/10/2020 5:00 PM	Application	1,689 KB				
		libeay32.dll	7/10/2019 10:00 AM	Application exten...	2,041 KB				
		libiconv.dll	7/10/2019 10:00 AM	Application exten...	918 KB				
		libiconv2.dll	7/10/2019 10:00 AM	Application exten...	956 KB				
		libmariadb.dll	10/21/2019 5:27 PM	Application exten...	1,011 KB				
		libmysql.dll	10/21/2019 5:27 PM	Application exten...	6,328 KB				
		log.conf	1/22/2020 8:04 PM	CONF File	1 KB				
		log4j2.yml	12/3/2019 9:18 AM	YML File	2 KB				
		msvcr120.dll	7/10/2019 10:00 AM	Application exten...	941 KB				
		mysql_clear_password.dll	10/21/2019 5:27 PM	Application exten...	485 KB				

<https://support.supremainc.com/en/support/solutions/articles/24000050437--biostar-2-biostar-2-7-12-new-features-and-configuration-guide>

## Suprema Mobile Credential (Suprema Mobile Access)

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**Suprema Mobile Access**



**Suprema Mobile Credential**

## Suprema Mobile Credential (Suprema Mobile Access)

- ✓ New UI for the configuration of Suprema Mobile Credential (Access)
- BioStar2>Settings>**MOBILE CREDENTIAL**>General
- BioStar2>USER>Credential>**Mobile**

Settings

AUDIT TRAIL

DAYLIGHT SAVING TIME

SECURITY

**MOBILE CREDENTIAL**

← Mobile Credential

General

- Mobile Credential Set ☒ Use
- Email
- Password

Enter the email and the password of the administrator to your Suprema Mobile Credential Portal

Advanced

- Domain
- Port
- Site ID

Enter the site ID of your Suprema Mobile Credential Portal


Apply Cancel


<https://support.supremainc.com/en/support/solutions/articles/24000050048--biostar-2-how-to-use-suprema-mobile-credential->  
<https://support.supremainc.com/a/solutions/articles/24000050455?lang=en>


# Suprema Mobile Credential (Suprema Mobile Access)


**Credential**

- ☐ PIN
- Auth Mode** ☐ Device Default
- Credential**

+ Fingerprint 

Face 

+ Card 

**+ Mobile** 

✓ The device and the firmware version that can use the **Suprema Mobile Credential (Access)** is as follows.

- XPass 2 FW 1.1.0 or later



<https://support.supremainc.com/en/support/solutions/articles/24000050048--biostar-2-how-to-use-suprema-mobile-credential->  
<https://support.supremainc.com/a/solutions/articles/24000050455?lang=en>



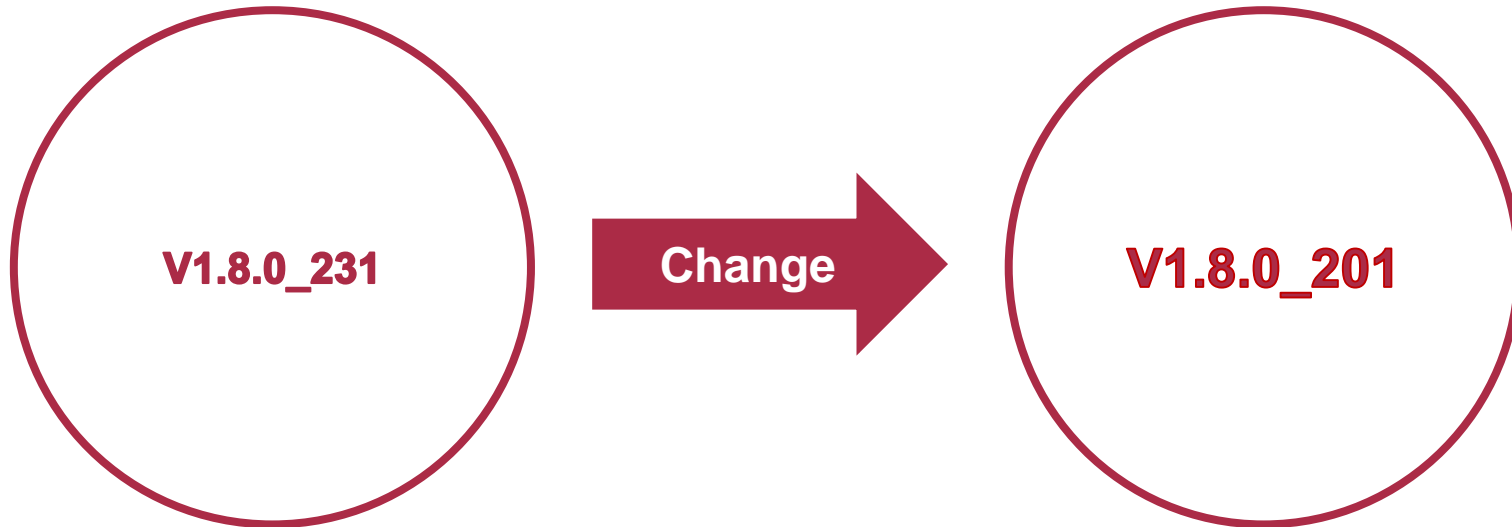
## Changed the Included JAVA Version

---

- ✓ Changed version of Java which provides o BioStar2 Installation File due to the subscription policy on versions higher than 1.8.0\_201.

- Before: 1.8.0\_231

- **After: 1.8.0\_201**



## Changed the Included JAVA Version

---

### Question.

**Could I keep JAVA 1.8.0\_231 instead of using JAVA 1.8.0\_201?**

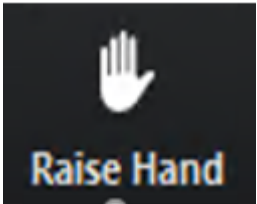
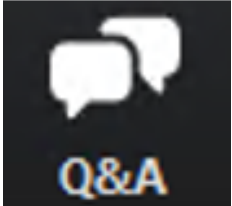
### Answer.

If you confirm the subscription policy of JAVA 1.8.0\_231 and agree the payment policy, you can keep JAVA 1.8.0\_231.

But, please update the JAVA path to View **Advanced System Settings > Advanced > Environment Variables** > Edit **JAVA\_HOME** to your current java version path. ([Click the link](#))

## Question & Answer

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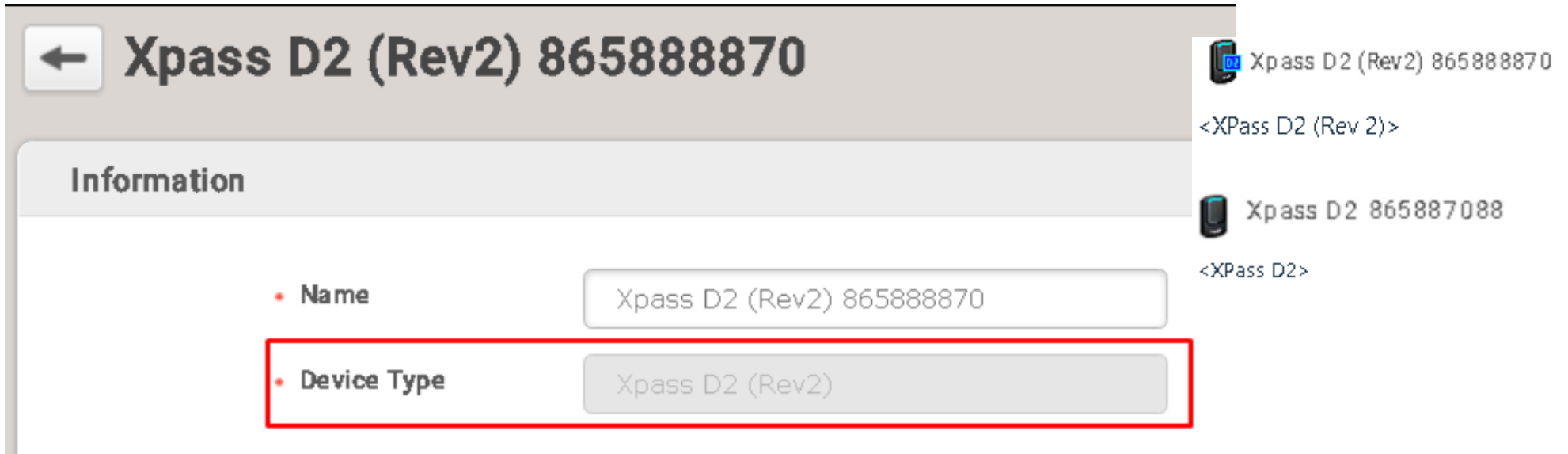


# New Features and Improvements

**BioStar v2.7.14**

## Support for Connecting Upcoming Devices – XPass D2 (Rev 2)

- ✓ Upgraded XPass D2 hardware to use Suprema Mobile Access(Credential).



← Xpass D2 (Rev2) 865888870

Information

- Name Xpass D2 (Rev2) 865888870
- Device Type Xpass D2 (Rev2)

Xpass D2 (Rev2) 865888870  
<XPass D2 (Rev 2)>

Xpass D2 865887088  
<XPass D2>

- ✓ Supporting firmware of XPass D2 (Rev 2) : **v1.4.0**
- ✓ To connect XPass D2 (Rev 2) as *RS-485 Slave*, need to check Master device's firmware compatibility.
- \* **The compatible FW of RS485 master device** now is **XPass 2 v1.2.0 ONLY**.  
(April 2020)

### \* Notice

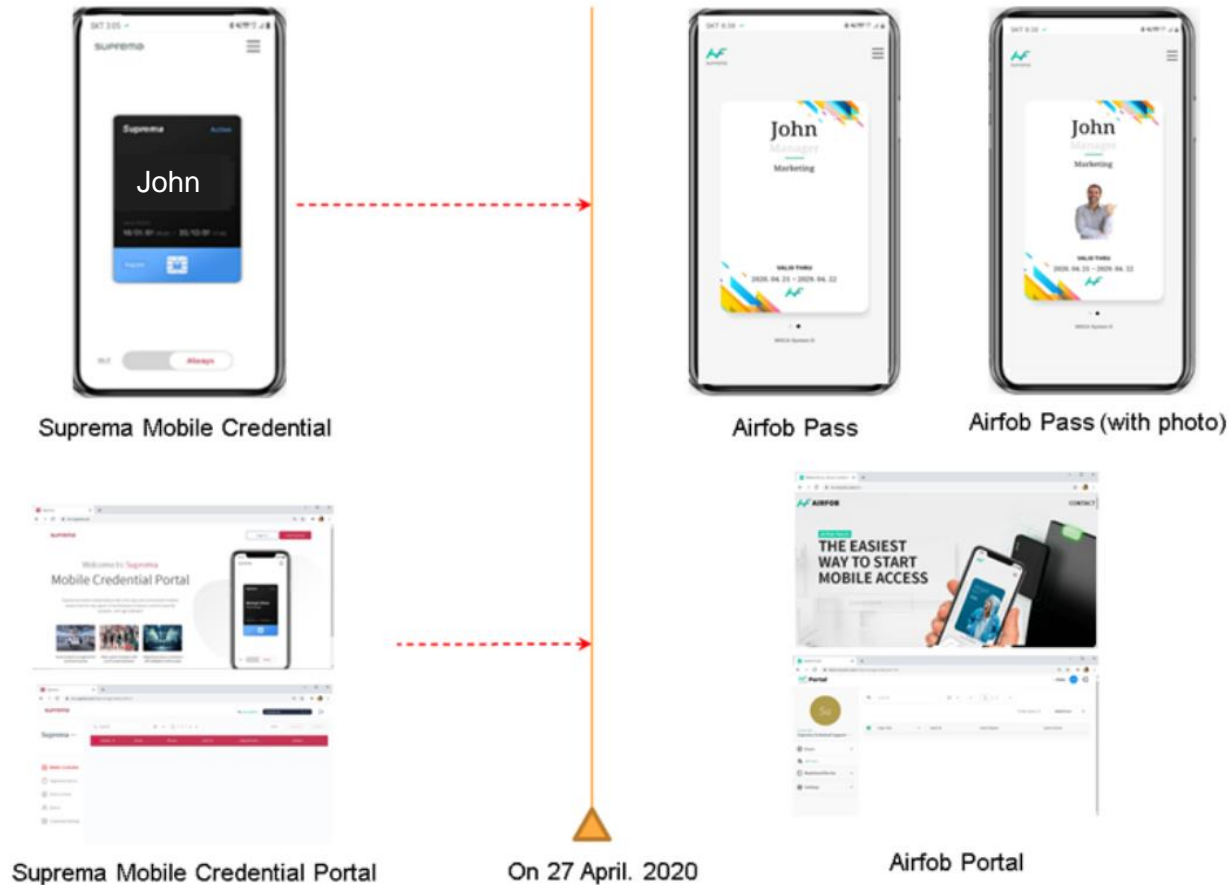
- Other compatible Master devices' firmware will be released in **2Q 2020**

<https://support.supremainc.com/en/support/solutions/articles/24000054221--biostar-2-upgraded-hardware-introduction-xpass-d2-rev-2->

# Enhancement in Suprema Mobile Credential (Access) Usage

- ✓ Terminology about Mobile Solution has been changed. (April 27, 2020)

*Suprema Mobile Credential changes to **Airfob Branding UI** with New Features.*



<https://support.supremainc.com/en/support/solutions/articles/24000053875--biostar-2-enhancement-in-suprema-mobile-credential-usage-in-2-7-14>

<https://support.supremainc.com/en/support/solutions/articles/24000054376--suprema-mobile-credential-3-important-update-notice>

# Enhancement in Suprema Mobile Credential (Access) Usage

- ✓ **Merged Mobile Credential's Advanced part into General items**  
(Updated Part: BioStar 2>Settings>Mobile Credential)

The image displays two versions of the Suprema Mobile Credential settings interface, illustrating a UI enhancement. A large red arrow points from the 'Advanced' section of the older version (v2.7.12) to the 'General' section of the newer version (v2.7.14).

**BioStar v2.7.12 (Older Version):**

- General:**
  - Mobile Credential Set: ☐ Not Use
  - Email:
  - Password:
- Advanced:**
  - Domain:
  - Port:
  - Site ID:

**BioStar v2.7.14 (Newer Version):**

- General:**
  - Mobile Credential Set: ☐ Not Use
  - Domain:
  - Site ID:
  - Password:
  - Port:
  - Email:
  - Connect:

<https://support.supremainc.com/en/support/solutions/articles/24000053875--biostar-2-enhancement-in-suprema-mobile-credential-usage-in-2-7-14>

## Enhancement in Suprema Mobile Credential (Access) Usage

### ✓ Change of Mobile Credential Usage

1) After inserting all items, 'Connect' button is activated.

← **Mobile Credential**

**General**

- Mobile Credential Set ☒ Use
- Domain
- Port
- Site ID
- Email
- Password

**Connect**

<https://support.supremainc.com/en/support/solutions/articles/24000053875--biostar-2-enhancement-in-suprema-mobile-credential-usage-in-2-7-14>



# Enhancement in Suprema Mobile Credential (Access) Usage

## ✓ Change of Mobile Credential Usage

2) You can add new devices in the 'Site' through '+ Add' button on the right side.

← Mobile Credential

General

• Mobile Credential Set ☒ Use

• Domain

• Site ID

• Password


• Device Registration

• Port

• Email

Device ID	Device Name	Device Group	IP Address	<input type="button" value="+ Add"/>
Not found				

<https://support.supremainc.com/en/support/solutions/articles/24000053875--biostar-2-enhancement-in-suprema-mobile-credential-usage-in-2-7-14>

**suprema** 

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# Enhancement in Suprema Mobile Credential (Access) Usage

## ✓ Change of Mobile Credential Usage

3) If you have registered devices already to Airfob portal, it will be deployed as blue box at the bottom.

← Mobile Credential

General

• Mobile Credential Set ☒ Use

• Domain

• Site ID

• Password

• Device Registration

• Port



• Email

Device ID	Device Name	Device Group	IP Address	
547834046	Xpass2 Keypad 547834046 (192.168.16.239)	All Devices	192.168.16.239	<input type="button" value="Refresh"/> <input type="button" value="Delete"/>

## Enhancement in Suprema Mobile Credential (Access) Usage

### ✓ Change of Mobile Credential Usage

- 3) If you have registered devices already to Airfob portal, it will be deployed as blue box at the bottom.
- 'Sync' button : the certification for connection setup will be overwritten on the device.
  - 'Delete' button : device will be automatically removed from Airfob Portal and certification will be deleted from the device at the same time.

Device Group	IP Address	
All Devices	192.168.16.239	 

+ Add

## Support Windows Authentication for MS SQL DB Server Connections

- ✓ To use Windows Authentication for MS SQL DB, pre-configuration of login account is essentially required.

### <Notice>

- If you used MS SQL Server Authentication mode in the former version and try to **upgrade to BioStar 2.7.14 or later**, you can select **ONLY 'SQL Server Authentication'** mode.
- You **can convert** from **'SQL Server Authentication'** mode to **'Windows Authentication'** mode **or in the opposite direction** in BioStar 2.7.14 or later.

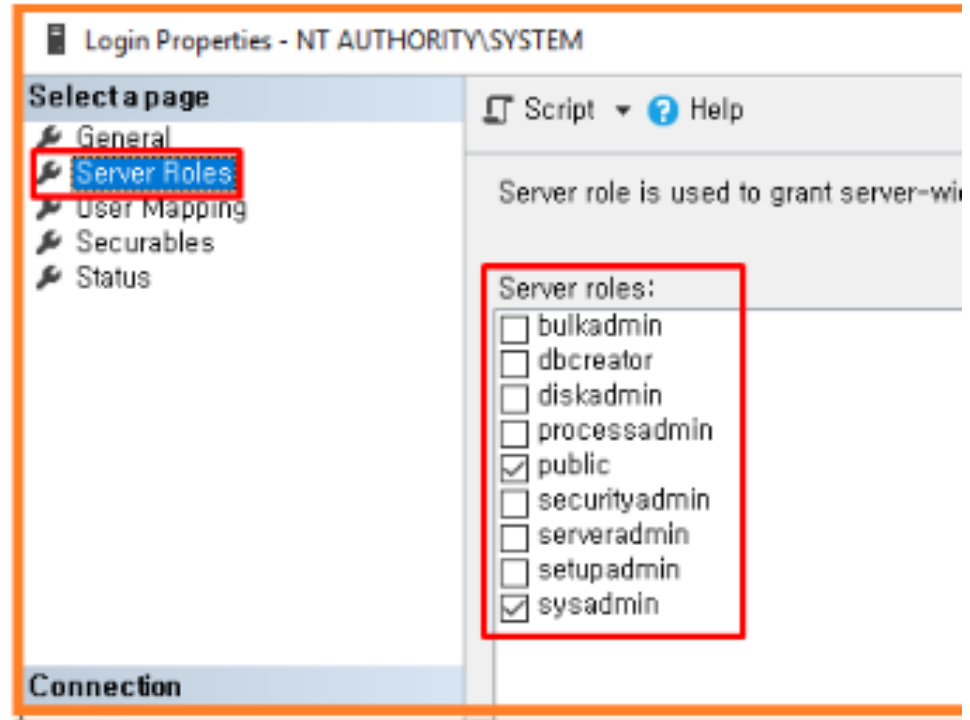
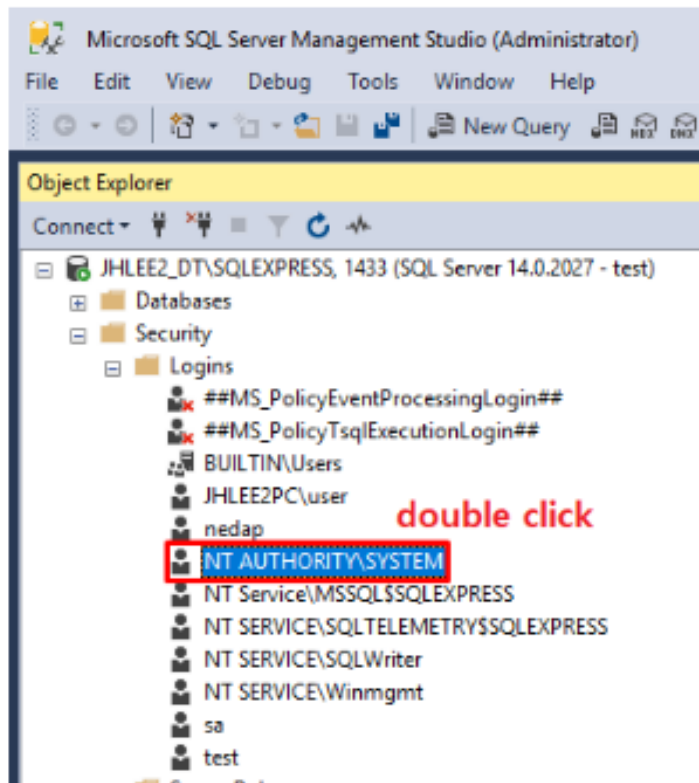
**Non Active Directory PC  
Environment**

**Active Directory PC  
Environment**

# Support Windows Authentication for MS SQL DB Server Connections

## ➤ Non Active Directory PC Environment

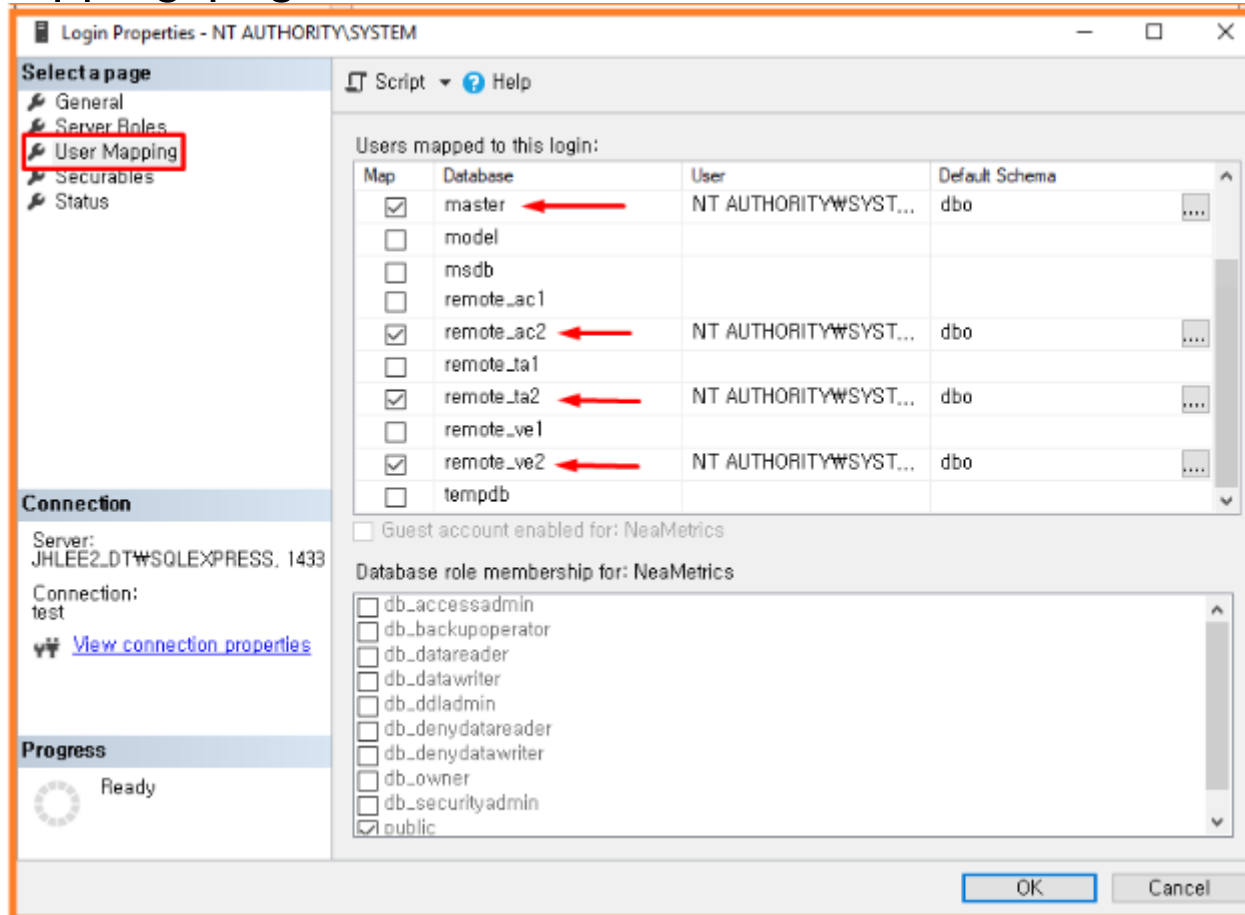
- Run the MS SQL Server Management Studio.
- Go to 'Security > Logins > NT AUTHORITY\SYSTEMS' and double click.
- Go to 'Server Roles' and assign public and sysadmin roles.



# Support Windows Authentication for MS SQL DB Server Connections

## ➤ Non Active Directory PC Environment

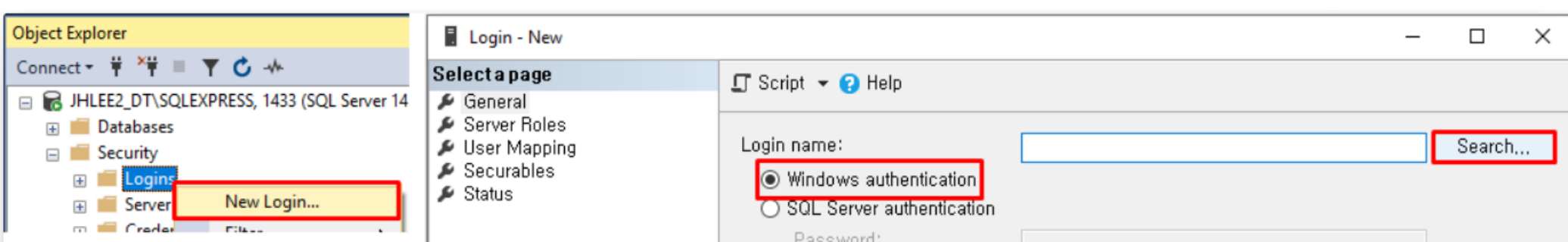
- Go to 'User Mapping' page and choose master, AC DB, TA DB, and VE DB you created.



# Support Windows Authentication for MS SQL DB Server Connections

## ➤ Active Directory PC Environment

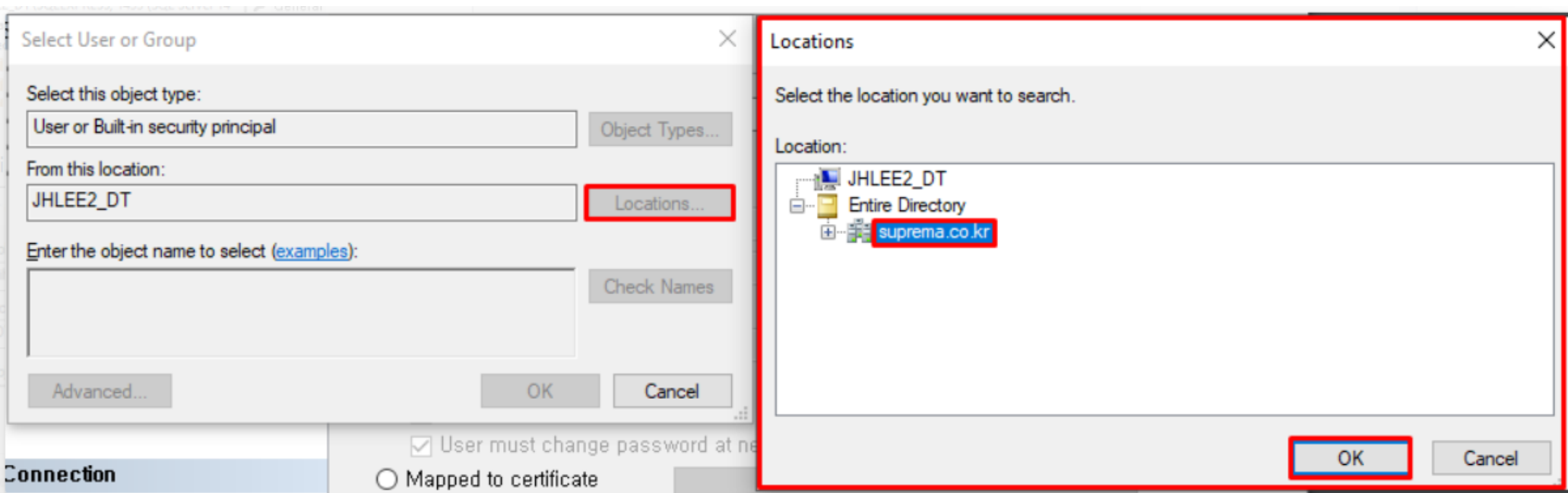
- Login MS SQL Server Management Studio program with administrator account.
- Right click at 'Security > Logins' and choose 'New Login...'.  
• Choose 'Windows authentication' mode and click 'Search' button.



# Support Windows Authentication for MS SQL DB Server Connections

## ➤ Active Directory PC Environment

- Click 'Locations' button and choose your Active Directory.

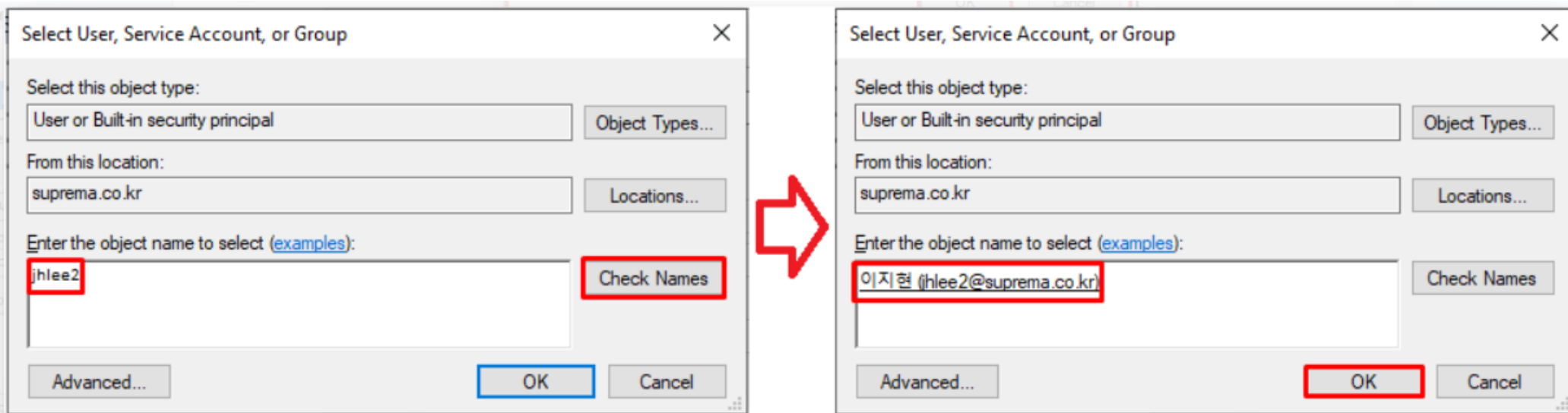




# Support Windows Authentication for MS SQL DB Server Connections

## ➤ Active Directory PC Environment

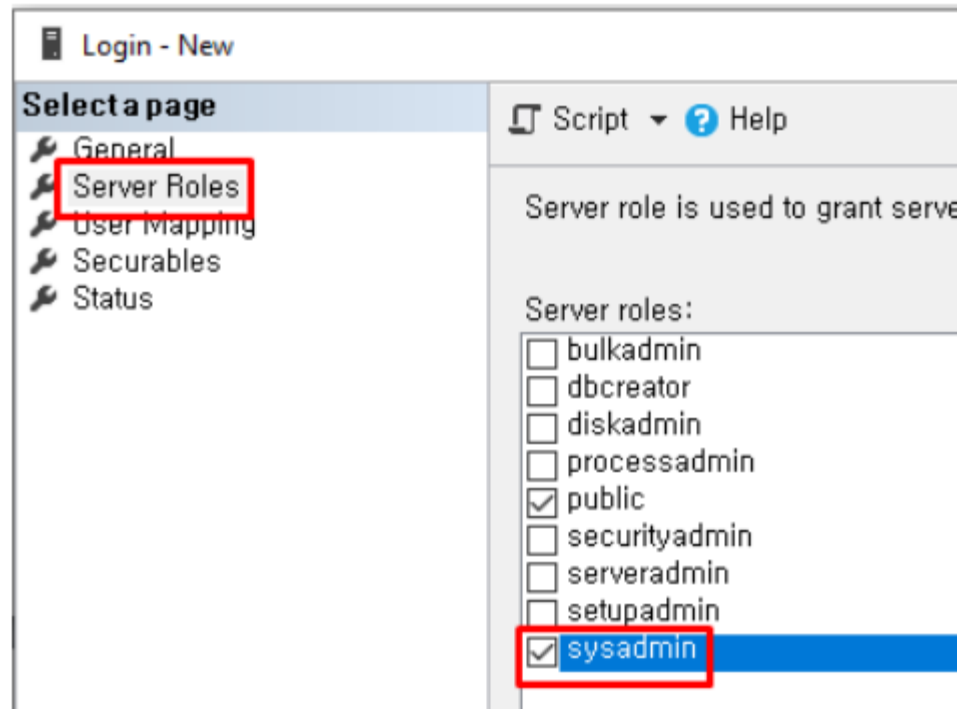
- Check your name and click 'OK'.



# Support Windows Authentication for MS SQL DB Server Connections

## ➤ Active Directory PC Environment

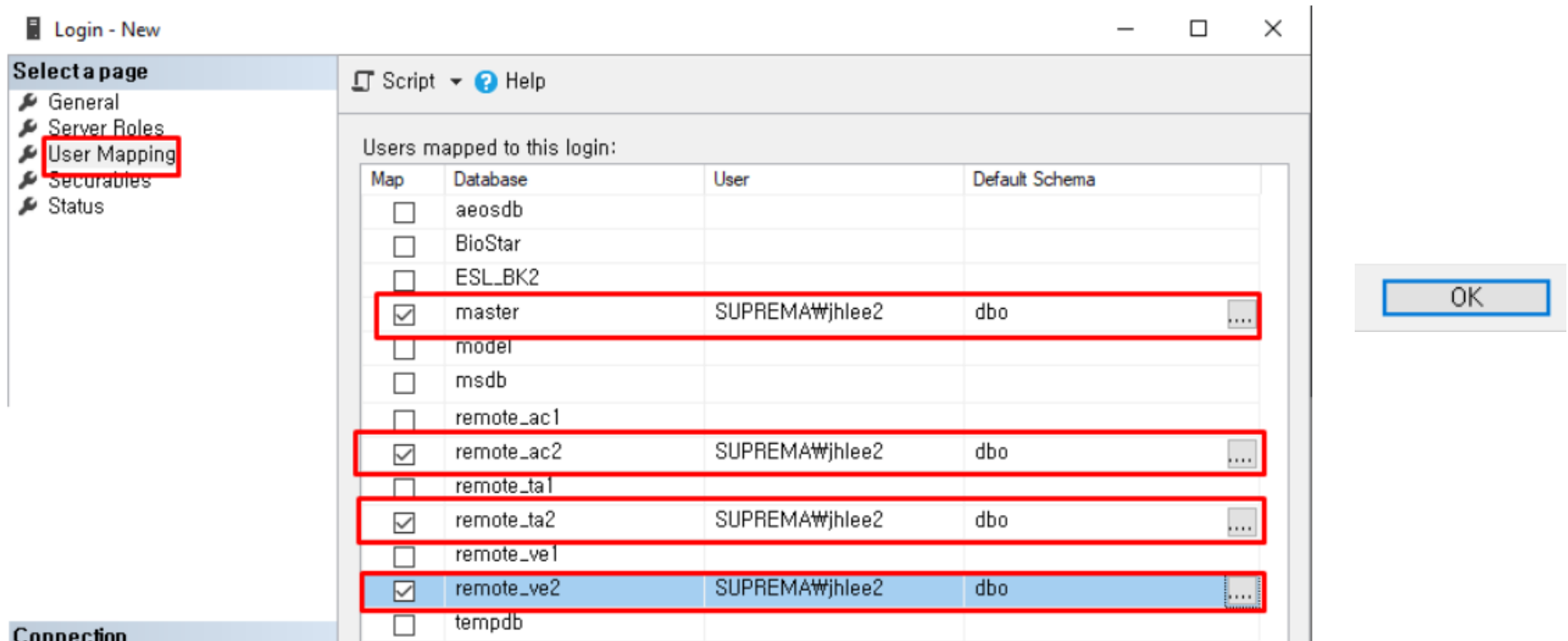
- Go to 'Server Roles' tab and assign 'sysadmin' authority.



# Support Windows Authentication for MS SQL DB Server Connections

## ➤ Active Directory PC Environment

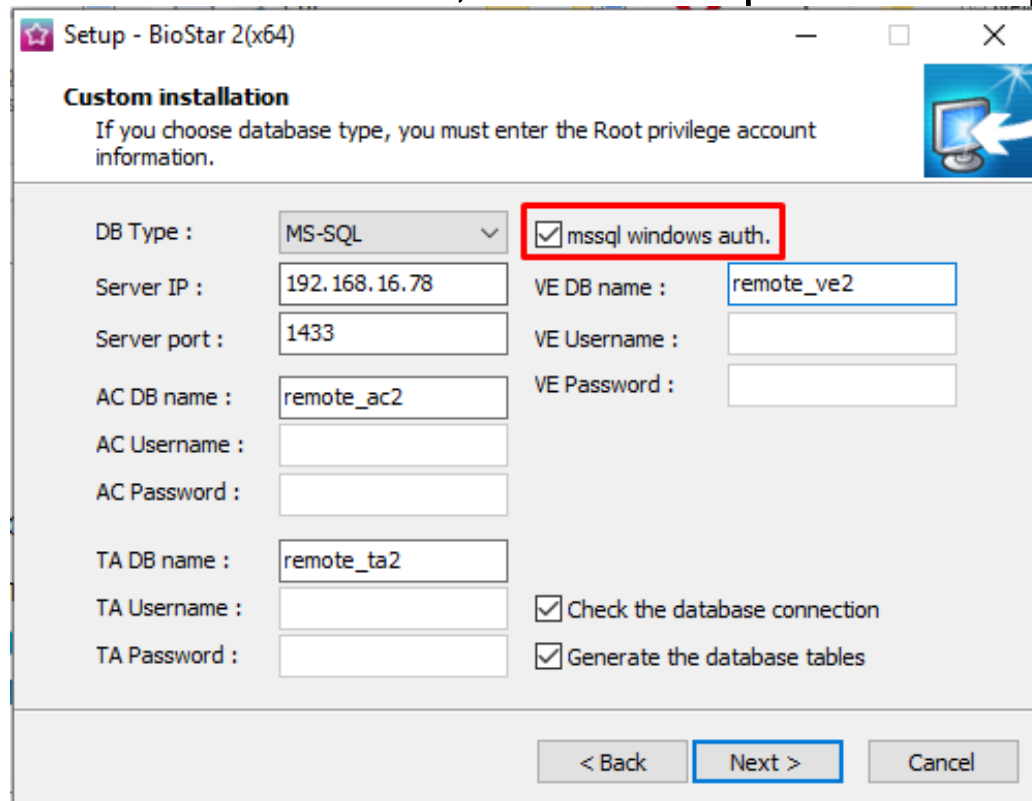
- Go to 'User Mapping' tab and make default schema of master, AC DB, TA DB and VE DB to 'dbo'.
- Click 'OK'.



# Support Windows Authentication for MS SQL DB Server Connections

## ➤ Installation Change

- During the installation, you can find 'mssql windows auth.' check box if you choose 'Custom Installation > MS-SQL'.
- If Windows Authentication mode is activated, the ID and password input box will be deactivated.



Setup - BioStar 2(x64)

**Custom installation**  
If you choose database type, you must enter the Root privilege account information.

DB Type : MS-SQL

☒ mssql windows auth.

Server IP : 192.168.16.78

Server port : 1433

AC DB name : remote\_ac2

AC Username :

AC Password :

TA DB name : remote\_ta2

TA Username :

TA Password :

VE DB name : remote\_ve2

VE Username :

VE Password :

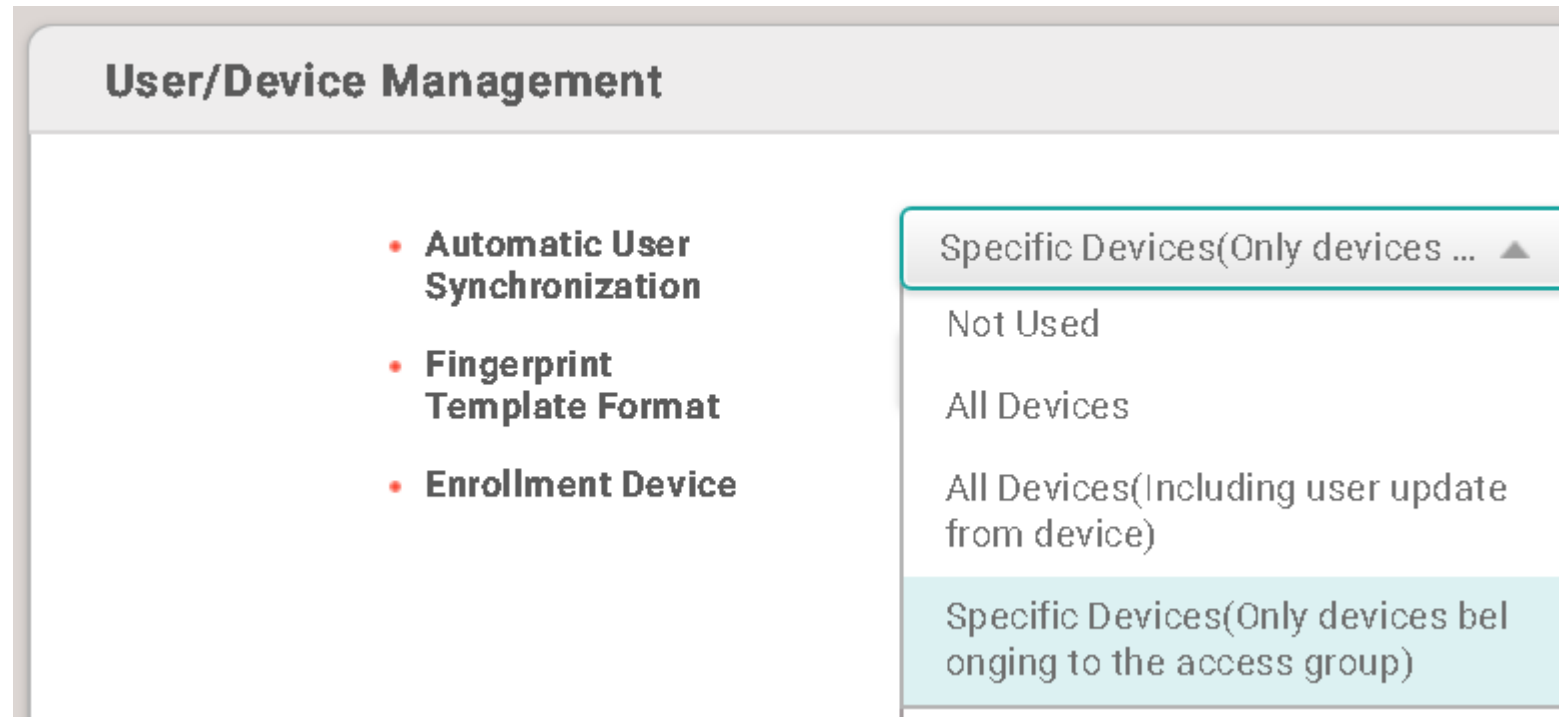
☒ Check the database connection

☒ Generate the database tables

< Back Next > Cancel

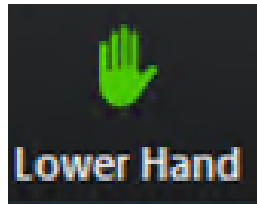
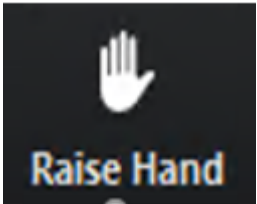
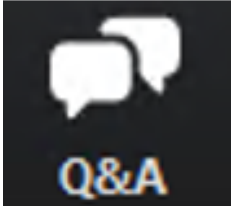
## Stabilization of 'Specific Devices' Automatic User Synchronization Option

- ✓ Improved to synchronize only devices that **belong to the corresponding access level or floor level**.
- ✓ Improved the problem of changes not being applied properly if the user group is changed by drag-and-drop when access groups are set as user groups.



## Question & Answer

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# New Features and Improvements

## Major Bug Fixes

## Major Bug Fixes – from BioStar v2.7.11 to BioStar v2.7.12

---

1. Fixed an issue that the CPU usage increased because the event log import module continued to operate without idle time. (**v2.7.11**)
2. Fixed an issue that BioStar 2 did not start normally when there was no specific Windows startup event in the BioStar 2 server library. (**v2.7.12**)
3. Fixed the 'Specific Devices' Automatic User Synchronization option to work accurately when users are created using CSV import. (**v2.7.12**)

<https://support.supremainc.com/en/support/solutions/articles/24000049402--biostar-2-biostar-2-7-11-new-features-and-configuration-guide>

<https://support.supremainc.com/en/support/solutions/articles/24000050437--biostar-2-biostar-2-7-12-new-features-and-configuration-guide>

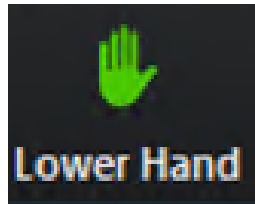
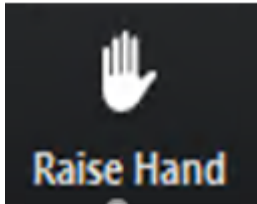
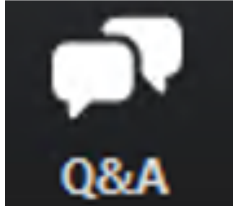


## Major Bug Fixes – BioStar v2.7.14

---

1. Fixed an issue in versions 2.7.11 and 2.7.12 that offline activation of access control, time and attendance, video, and visitor licenses could not be performed. (**v2.7.14**)
2. Fixed an error that occurred when installing BioStar 2 in an arbitrary path other than the default installation path. (**v2.7.14**)
3. Fixed an issue that user group information was not normally displayed on the schedule setting screen of time and attendance management menu when there were more than 1,000 user groups created.. (**v2.7.14**)
4. Fixed an issue that some logs were missing when the connection between the device and the server was disconnected and then reconnected. (**v2.7.14**)

## Question & Answer



**Q&A**

**Break  
Time**

**suprema**  
SECURITY & BIOMETRICS



# Suprema Mobile Access

## (Suprema Mobile Credential)

---

### Speaker

Laney Lee

Technical Support Engineer | Suprema

# Contents

- 1. Why Suprema Mobile Access Card**
- 2. BioStar 2 Mobile Card vs Suprema Mobile Access**
- 3. System Configuration**
- 4. Card ID Generation.**
- 5. Card Type & License**
- 6. More Information**
- 7. How to Use**
- 8. Q&A**

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# Why 'Suprema Mobile Access' card?

# Why 'Suprema Mobile Access' Card



# What is the next?



# Why 'Suprema Mobile Access' Card

22/10/2019

## Mobile vs physical access credentials - a tough battle

London, UK

According to the latest IHS Markit, market insight sector, mobile credentials globally have experienced between 2017 and 2018. Over four million new mobile credentials were downloaded in 2018 and are the fastest growing access control systems. However, research analyst, Brian Smith, notes that in spite of this dynamic growth, mobile credentials will continue to face the continued use of physical cards to enter a major market in the next decade.



44 million mobile credentials to be downloaded by 2021

## How Mobile Credentials & the Cloud Are Expanding RMR Opportunities

The rise of mobile credentials and Cloud solutions is impacting the role integrators play in selling and supporting access control systems. Learn how to capitalize.

📅 13th Oct  
📰 IHS Markit  
👤 Lanna C



### Why mobile access?

- Convenience & more security
- Universality
- Untact & contactless solution

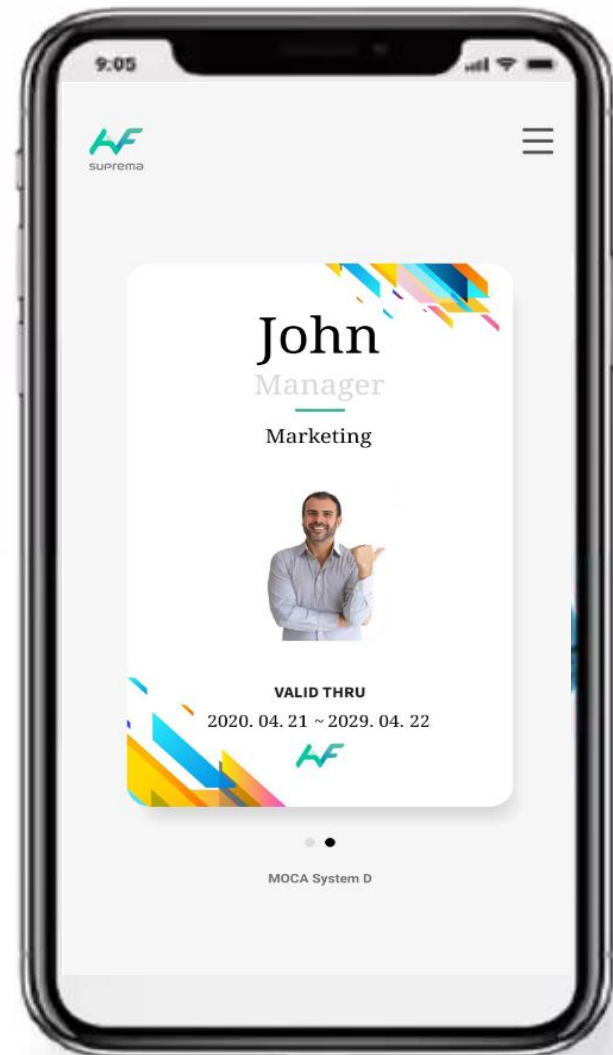


# Why 'Suprema Mobile Access' Card

## Why mobile access?

### ➤ Convenience & more security

- 1) Can use it by tagging your smart phone
- 2) Not need to meet employees to issue the mobile access card
- 3) AES 256 encryption & ISO 27001 certified system/operation



# Why 'Suprema Mobile Access' Card

## Why mobile access?

### ➤ Universality

- 1) 3.5 billion people / 45% of the world population
- 2) Android / iOS
- 3) It works

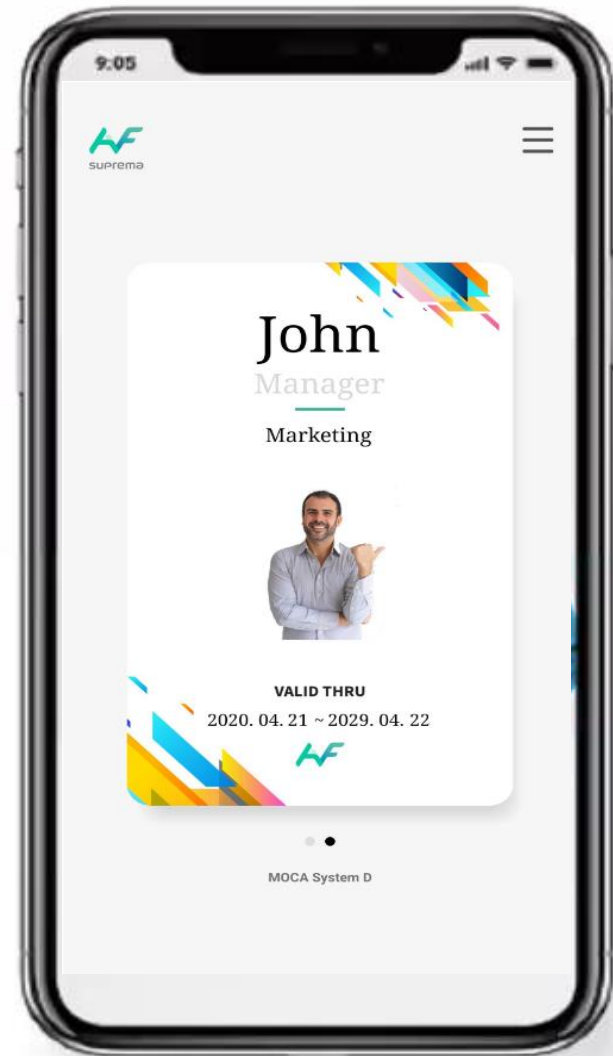


# Why 'Suprema Mobile Access' Card

## Why mobile access?


### ➤ Untact & contactless solution

- 1) BLE / NFC contactless communication
- 2) Issuance via email
- 3) Remote configuration via cloud server



# Why Suprema Mobile Access card solution?

# Why Suprema Mobile Access card solution?

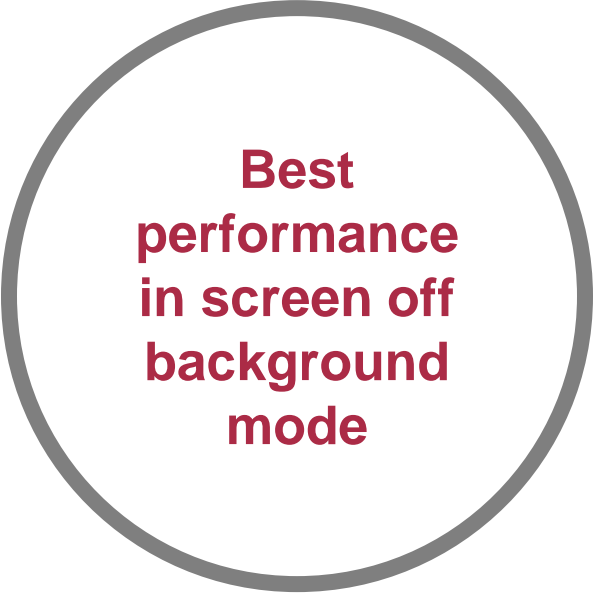


**Best  
performance  
in screen off  
background  
mode**

**Customizable  
design**

**Powerful  
Credential  
option  
In BioStar2**

# Why Suprema Mobile Access card solution?



**Best  
performance  
in screen off  
background  
mode**



## Why 'Suprema Mobile Access' Card

---



android



# Why Suprema Mobile Access card solution?

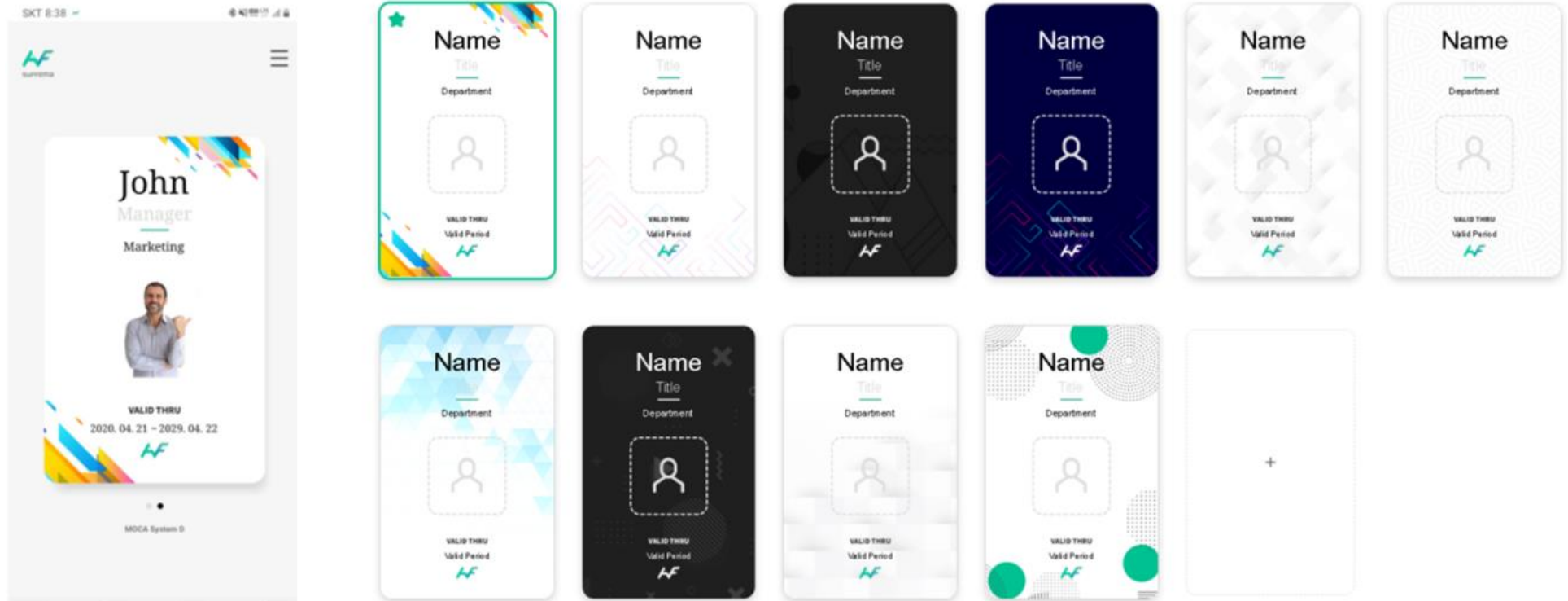


**Customizable  
design**

# Why 'Suprema Mobile Access' Card

## ■ Custom Card Design Support

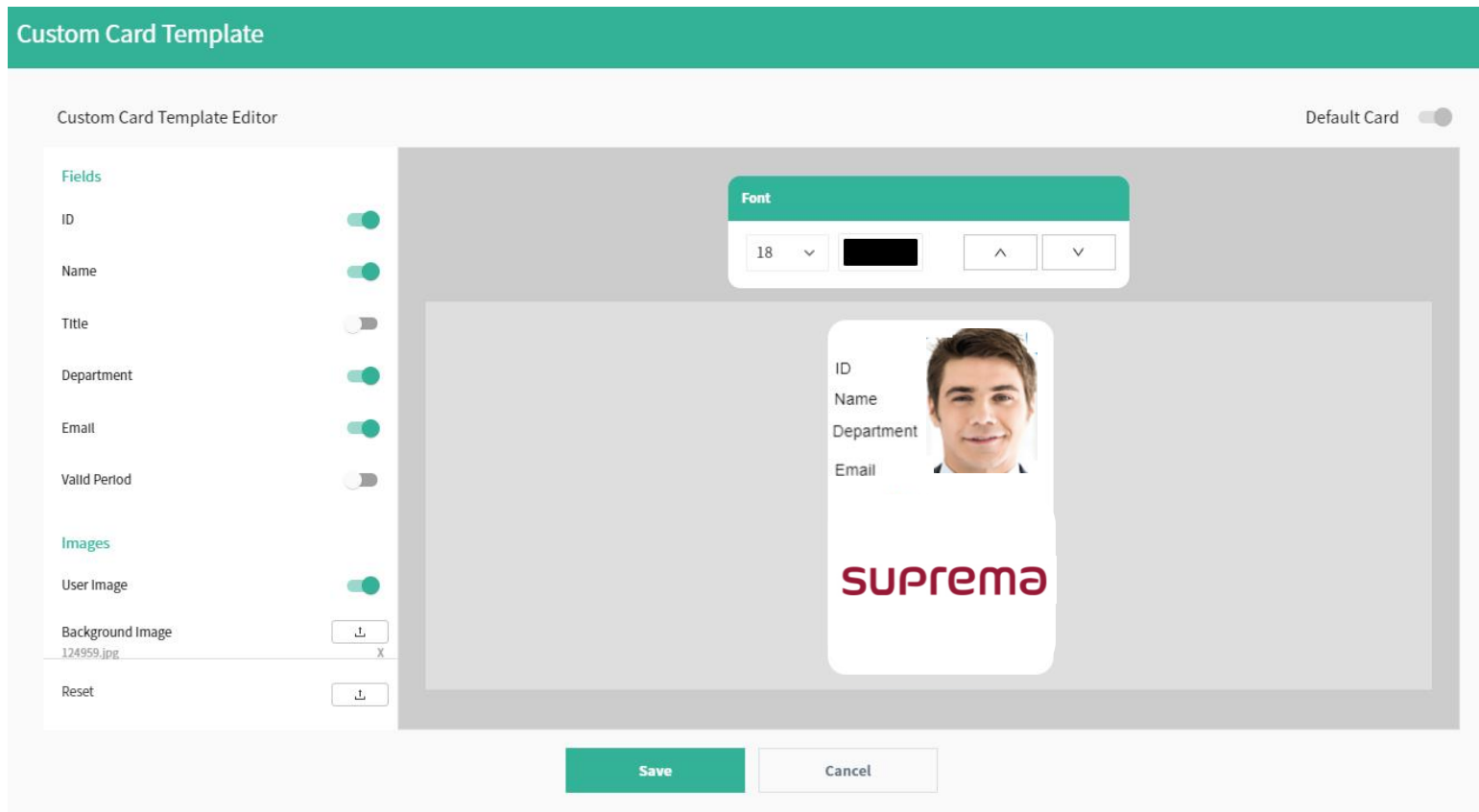
- **Dynamic Card License** is required currently.
- User can add the field of user information on the card.



# Why 'Suprema Mobile Access' Card

## ■ Custom Card Design Support

- **Dynamic Card License** is required currently.
- User can add the field of user information on the card.



# Why Suprema Mobile Access card solution?



**Powerful  
Credential  
option  
In BioStar2**

# Why 'Suprema Mobile Access' Card



# BioStar 2 Mobile Card vs Suprema Mobile Access

# BioStar 2 Mobile Card vs Suprema Mobile Access

---



**BioStar 2 Mobile Card**





**Suprema Mobile Access**

<https://support.supremainc.com/en/support/solutions/articles/24000050338--biostar-2-what-is-the-difference-between-biostar2-mobile-card-and-suprema-mobile-credential>

<https://support.supremainc.com/en/support/solutions/articles/24000050105--biostar-2-difference-between-biostar-2-mobile-card-and-suprema-mobile-credential>



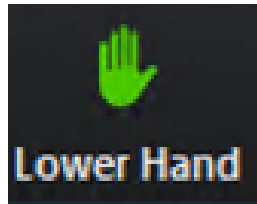
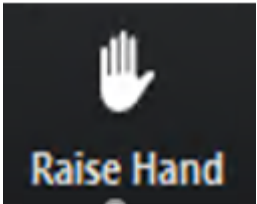
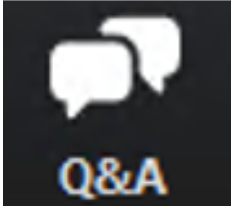
# BioStar 2 Mobile Card vs Suprema Mobile Access

		BioStar 2 Mobile Card	Suprema Mobile Access
Application	Name	BioStar 2 Mobile	Airfob Pass
	Image		
Card Type		Smart Card (Secure Credential / Access on Card)	CSN Card
Issue from		BioStar 2 Server(PC) BioStar 2 Mobile Application	BioStar 2 Server(PC) <b>Airfob Portal</b>
OS	Android	Android 5.0 (Lollipop) or above	Android 6.0 (Marshmallow) or above
	iOS	iOS 9.0 or above	iOS 11.0 or above
Protocol	Android	BLE / NFC	BLE / NFC
	iOS	BLE	BLE
BioStar 2 Version		BioStar	BioStar 2.7.12 and above
Supported Device Lists		Xpass S2 Xpass D2 BioStation 2 BioStation A2 BioStation L2 BioEntry W2 FaceStation 2 FaceLite BioLite N2  <i>*BLE is supported ONLY the device model has 'B' at the end of the name.</i>	XPass 2 (January, 2020)

Product Name	Method	Date
XPass 2	BLE/NFC	Available
XPass D2	BLE/NFC	May 2020
BioLite N2	BLE/NFC	2Q 2020
BioEntry W2	BLE/NFC	
FaceStation F2	BLE/NFC	
FaceStation 2	BLE/NFC	
FaceLite	BLE/NFC	
BioStation 2	NFC	
BioStation A2	NFC	
BioStation L2	NFC	
BioEntry P2	NFC	
BioEntry R2	NFC	

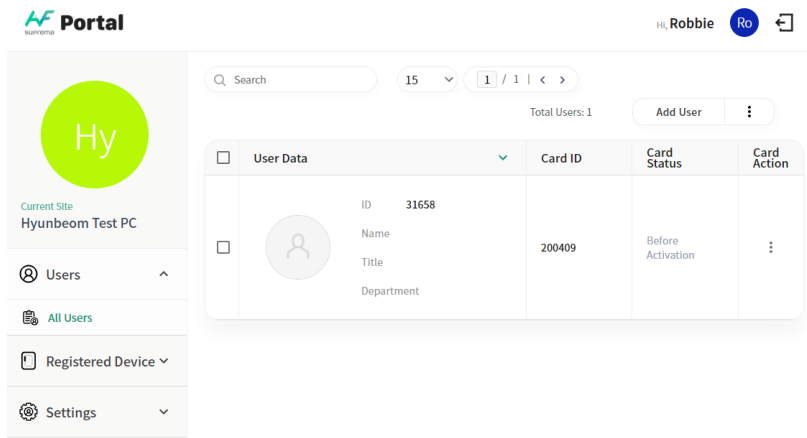
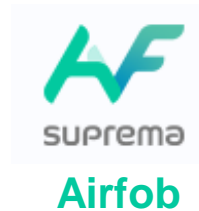
## Question & Answer

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# System Configuration

## Suprema Mobile Access card solution



### Airfob Portal

For mobile access card issuance



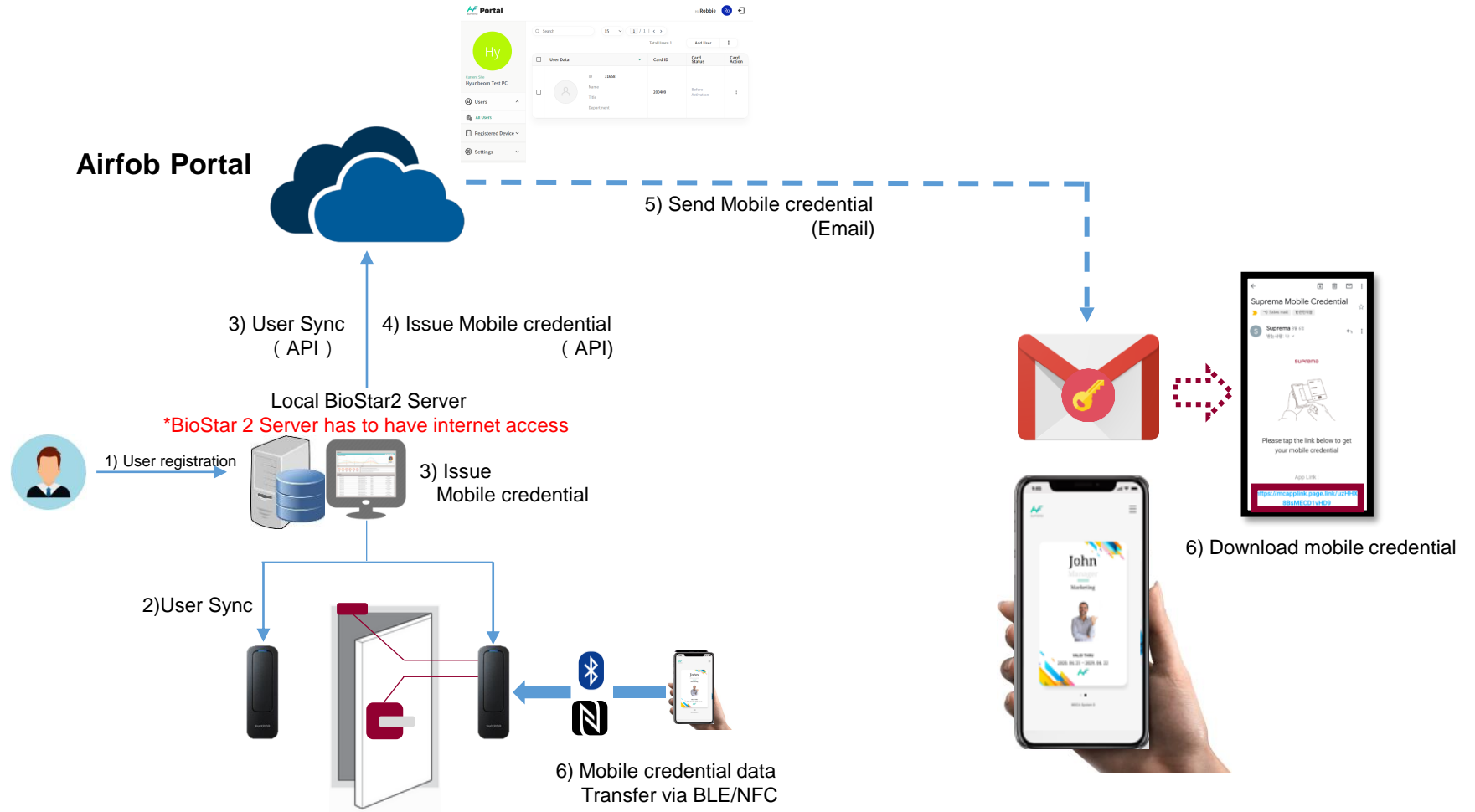
### Airfob Pass

For mobile access card application

Android 6.0 ~

iOS 11.0 ~

# System Configuration



## System Configuration (FAQ)

---

**Q1)** Suprema Mobile Access can be applied with Centralized Solution or only distributed solution?

You can use it to Centralized System or, you can use it to Distributed System also.

**Q2)** If I install two readers to In and Out for a door, there will be an issue to open the door?

BLE strength is measured very differently. So, when you tag your reader from outside, it does not work to the inside reader. We can also set up the bluetooth distance for this case.

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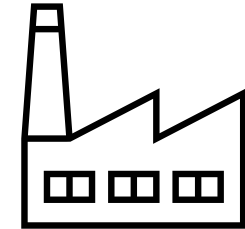
# Card ID Generation

# How Card ID of Suprema Mobile Access Generated Is?

## General Cards

- EM Card, Mifare Card, DESFire Card  
HID Prox Card, HID iClass Card

Generated  
Number **by**  
**manufactures**



## Airfob Pass



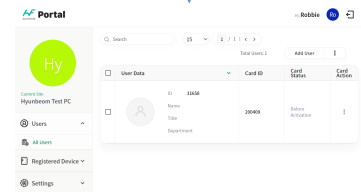
Generated Number **by**  
**BioStar 2 administrator**  
**(synchronized to Airfob**  
**Portal)**

**Supported Card ID Type**

- CSN (Private ID)

Upcoming features

- Wiegand
- ASCII (TEXT Value)



Enroll Card

Card Type: CSN

Registration Option: Enter Manually

Information

Card ID: 1234567890 Use User ID



Enroll Cancel





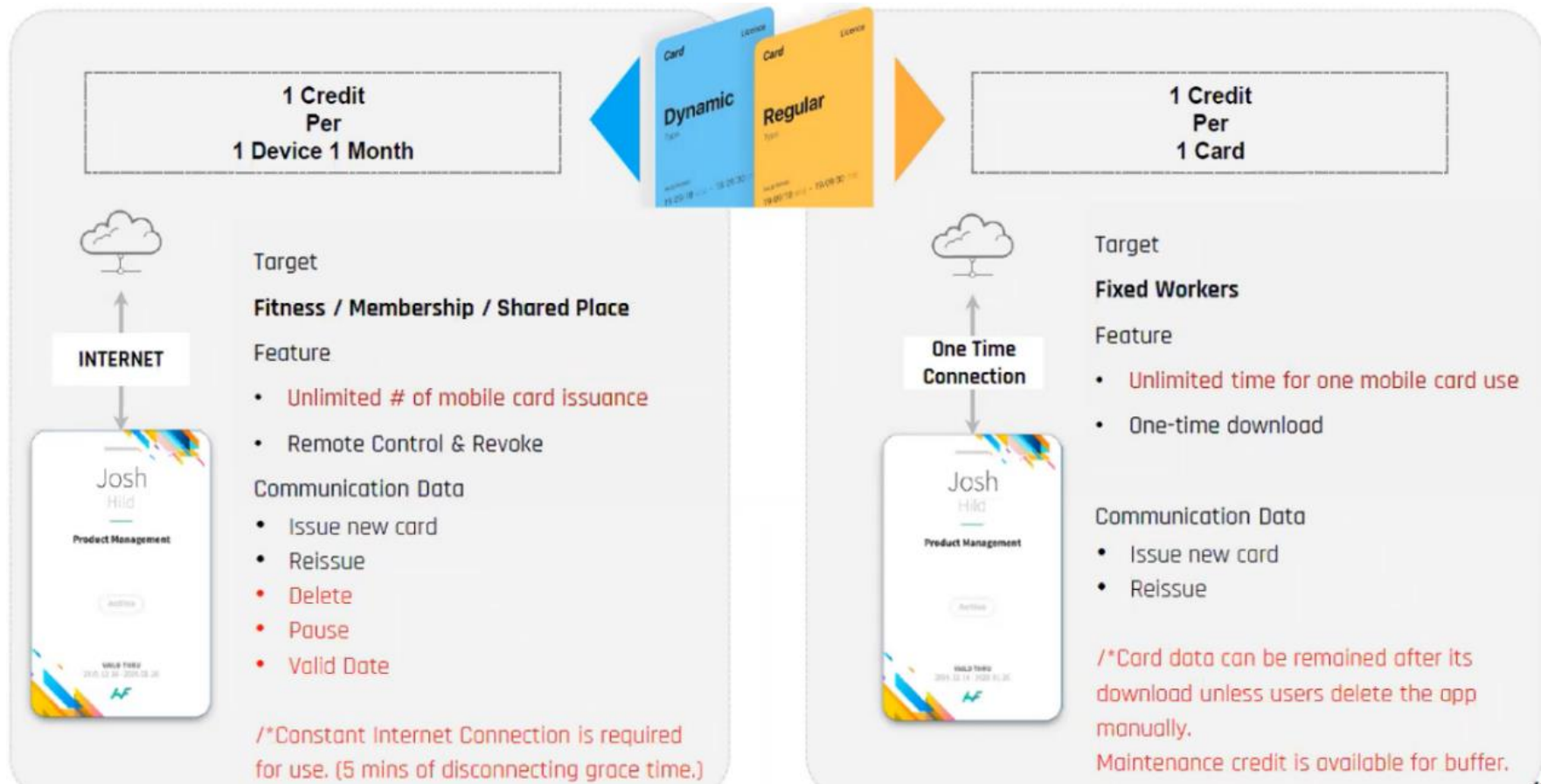
# Card Type & License

# Service Name Change

	Up to April 26, 2020	From April 27, 2020
Service Name	Suprema Mobile Credential	Suprema Mobile <b>Access</b>
Portal	Suprema Mobile Credential Portal	<b>Airfob Portal</b>
Mobile App	Suprema Mobile Credential	<b>Airfob Pass</b>
App Icon		 <b>+ New Features</b>

# Card Type & License

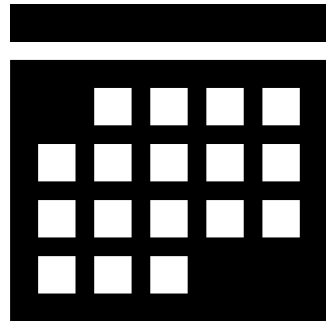
- Dynamic Card(Site) is supported in Airfob Portal



## Card Type & License

---

\* 1 Credit = 1 Device x 1 Month



X **36** months

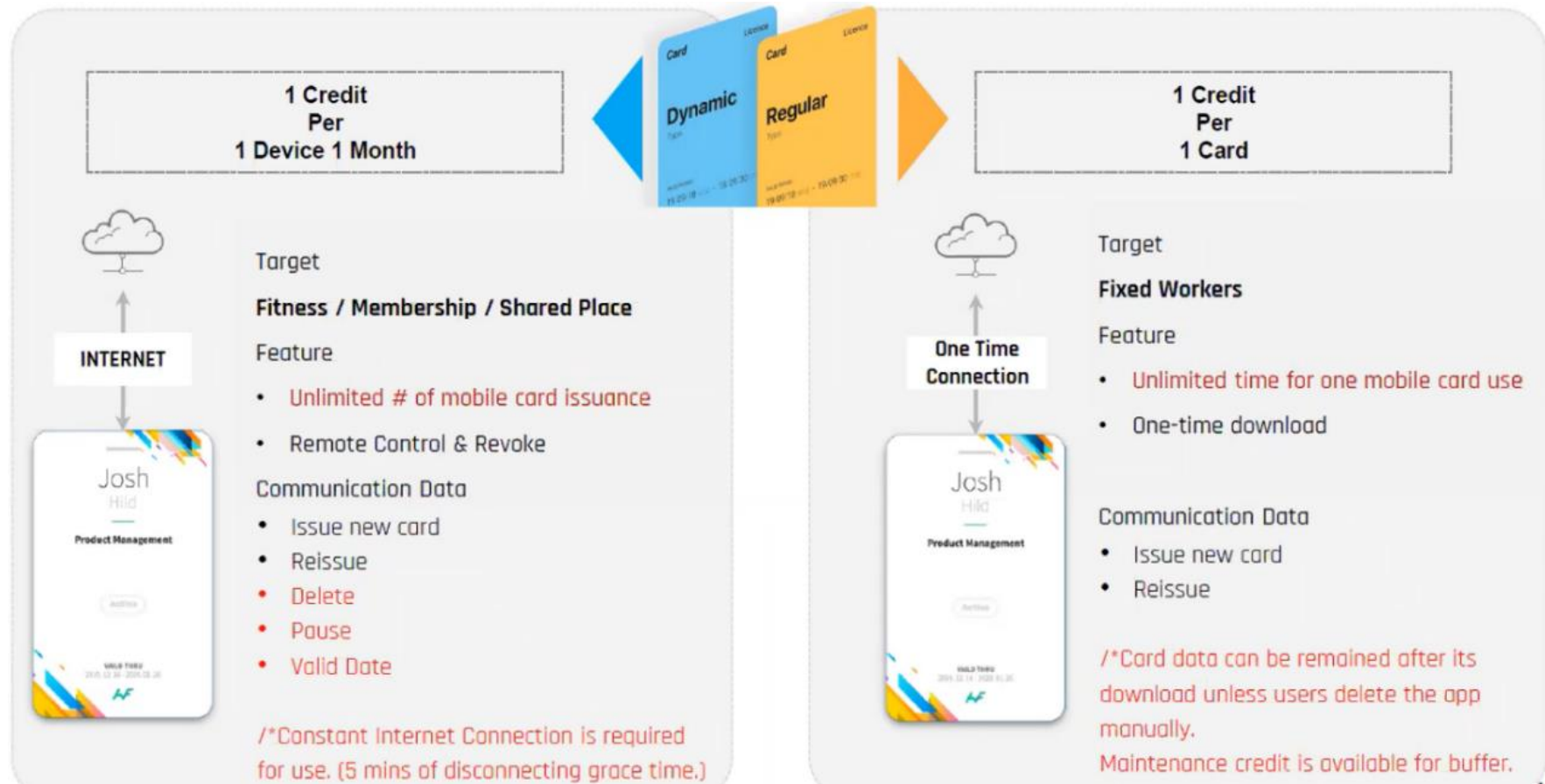


X **2** devices  
(for In/Out)

= **72** Credits!

# Card Type & License

- Dynamic Card(Site) is supported in Airfob Portal



**Dynamic Card will be supported by BioStar 2 in the future.**

(April, 2020)

## Card Type & License (FAQ)

---

**Q1)** When ordering how will we define dynamic from fixed?

When you order, **you can just order a credit**. How to define is decided when you apply in Regular type site or dynamic type in your Airfob site at first.

**Q2)** In line with dynamic. If i have 10 credits, then it is equivalent up to 10 device valid for 1 month?

Yes, you are right. Or 1 devices x 10 months

**Q3)** In a dynamic type means it is not recommended to use for a regular employee, right? This is design more on membership and events only?

Yes, you are right. It's for membership management.

# More Information

# Suprema Mobile Access Q&A

---

**Q1**

**How can we get the Mobile Access License Policy and how can we purchase Mobile Credential Credits?**

- Please contact your Suprema regional sales representative. If you do not know the exact sales representative, please contact Suprema through our official web site. ([Link](#))

**Q2**

**Can we keep using BioStar 2 Mobile Card if we has been used? How does the policy go for BioStar 2 Mobile Card?**

- BioStar 2 Mobile card will be discontinued from September 2020. Once you upgrade new FW to the devices, you will be not available to use current BioStar 2 Mobile Card. Please visit the site and find more information. ([Link](#))

**Q3**

**What if we use XPass 2 and other Suprema devices such as BioStation A2 and want to use mobile credential?**

- You need to use different credential(Mobile Card, Fingerprint, RF card, etc) for BioStation A2. (*April, 2020*)



# Suprema Mobile Access Q&A

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**Q4**

**What happens to the existing customer after Airfob Portal changed?**

- No affect on the existing license and functionalities. Only UI changes.

**Q5**

**What happens to the existing BioStar 2 integration & API Calls?**

- Existing customers can use the same settings & API URLs. No changes are needed.

**Q6**

**Can a regular card use the custom card?**

- Not currently. We will add this feature later.

# Suprema Mobile Access Q&A

---

**Q7**

**Would multi card work for regular cards?**

- Yes, multi card is supported regardless of regular or dynamic.

**Q8**

**What happens to the URL address after Airfob Portal changed?**

- The previous <https://mc.suprema.io> will just redirect to the new portal address, <https://mc.mocainc.com>.

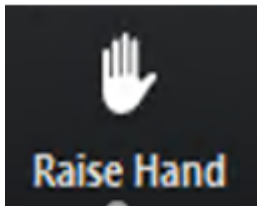
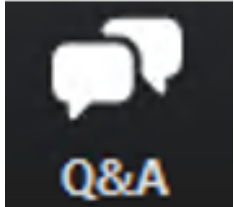
**Q9**

**Can we import CSV file to get user information?**

- We are working on that feature. We will keep you updated once it is ready.

## Question & Answer

---



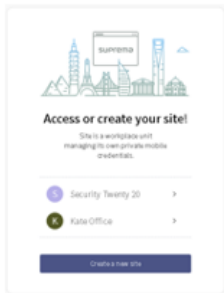
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# How to Use

# How to Use – in BioStar 2.7.12

## ● Overall Procedure

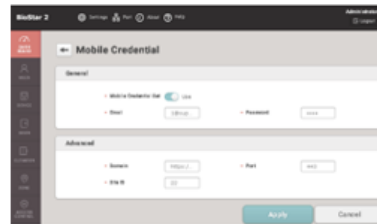
1. Join Airfob Portal



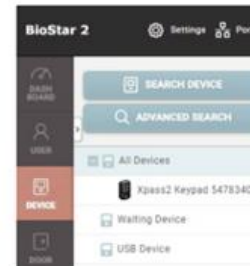
2. Register a device on Airfob Pass App



3. Configure Airfob Portal information to BioStar 2 Settings



4. Add the device to BioStar 2



5.1 Add a user with an email and card number



5.2 Confirm the email on a mobile  
5.3 Activate Mobile Access



6. Authenticate the Mobile Access on the device



<https://support.supremainc.com/en/support/solutions/articles/24000050101--biostar-2-sample-steps-of-suprema-mobile-credential-for-running-biostar-2-with-xpass-2->

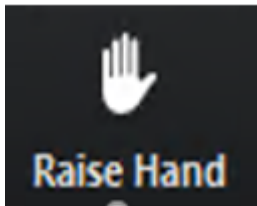
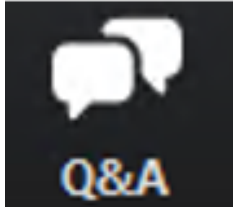
<https://support.supremainc.com/en/support/solutions/articles/24000050048--biostar-2-how-to-use-suprema-mobile-credential->

# How to Use – from BioStar 2.7.14

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## Question & Answer

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**THANK  
YOU!**