Suprema Webinar

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

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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Date: Tuesday, April 28, 2020
Time: 8:00 AM, GMT +9 , Seoul

FAQ about Suprema Webinar

❖ How can I find Webinar Contents?

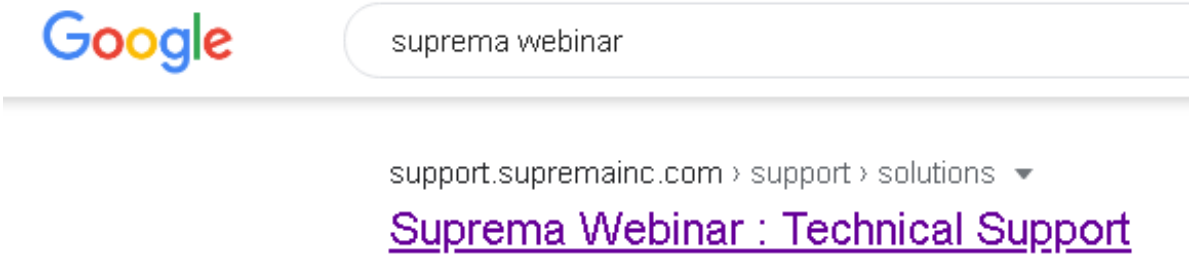
1) Email

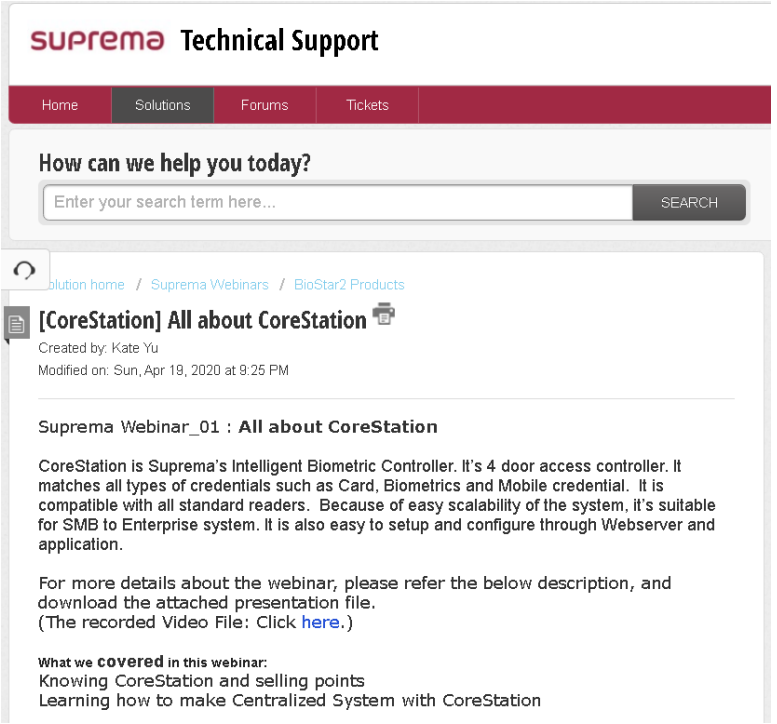
✓ After this webinar, Suprema Team will provide the presentation and the recorded video file to the registered emails. It will take 5 days after reviewing the files with including QA list.

2) Website (Suprema Technical Support Site)

✓ 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.

✓ https://support.supremainc.com





3) SNS Channel & YouTube

✓ Plus, we will post the information to YouTube, Facebook, and LinkedIn. (Simply search it on each site)

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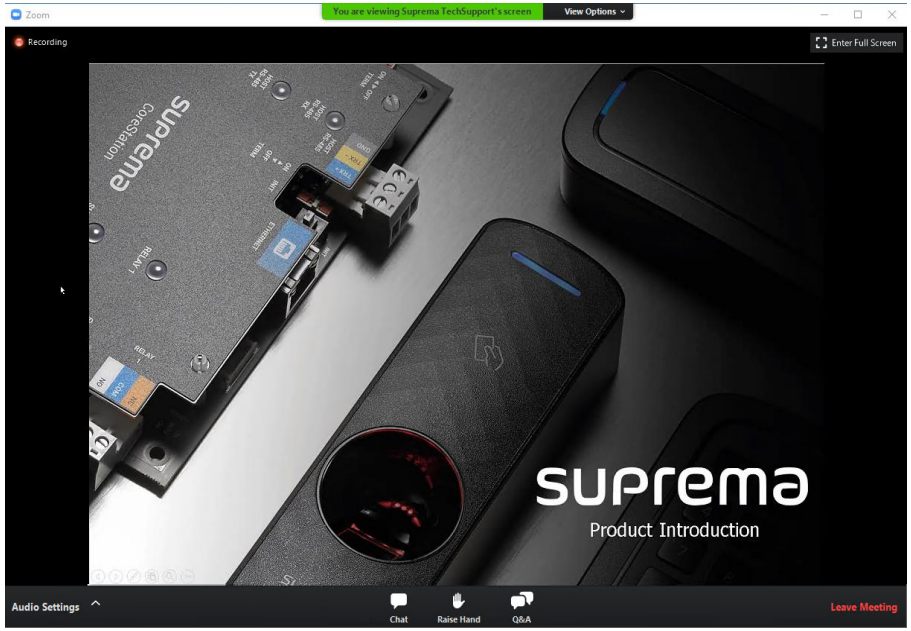
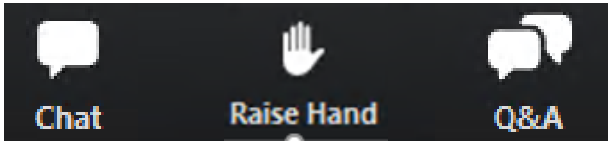
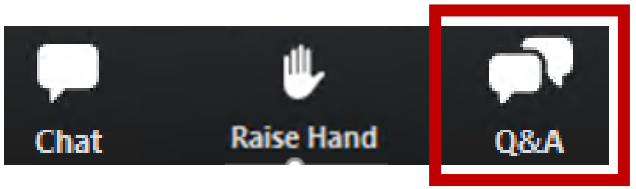
FAQ about Suprema Webinar

❖ 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.

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FAQ about Suprema Webinar

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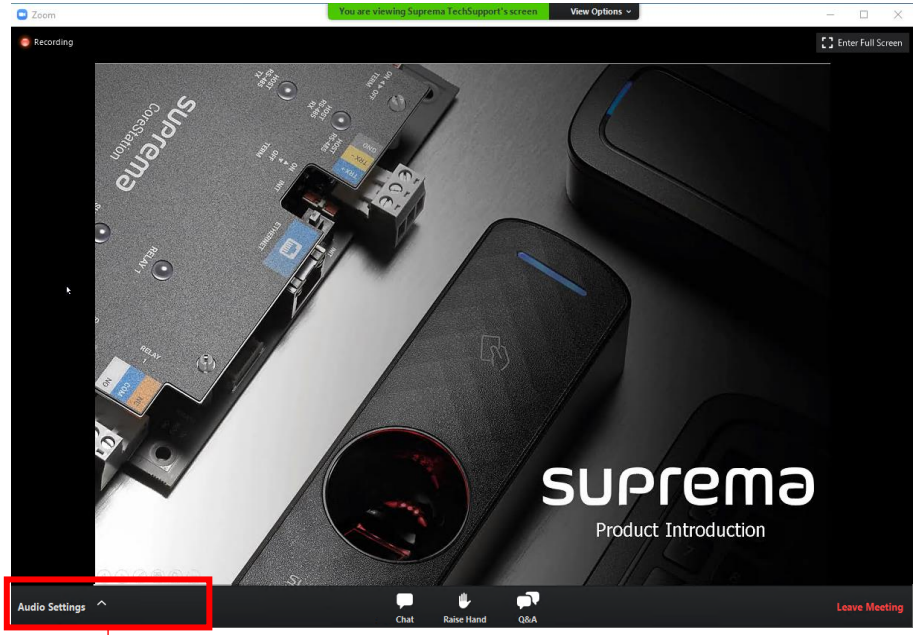
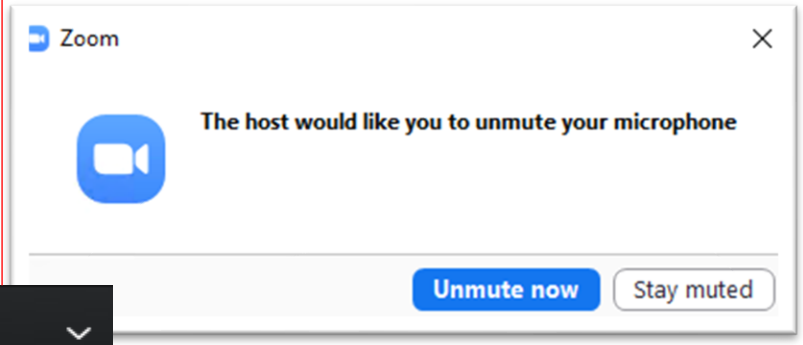
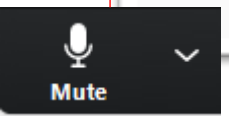
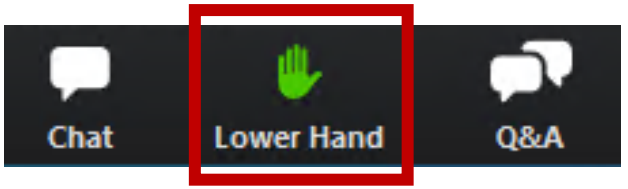






2) [Raise Hand] for Question Session



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.

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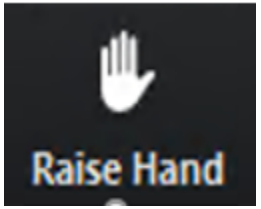
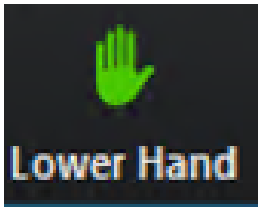
FAQ about Suprema Webinar

❖ 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.*





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BioStar 2.7
New Feature Introduction (2.7.11 ~ 2.7.14)

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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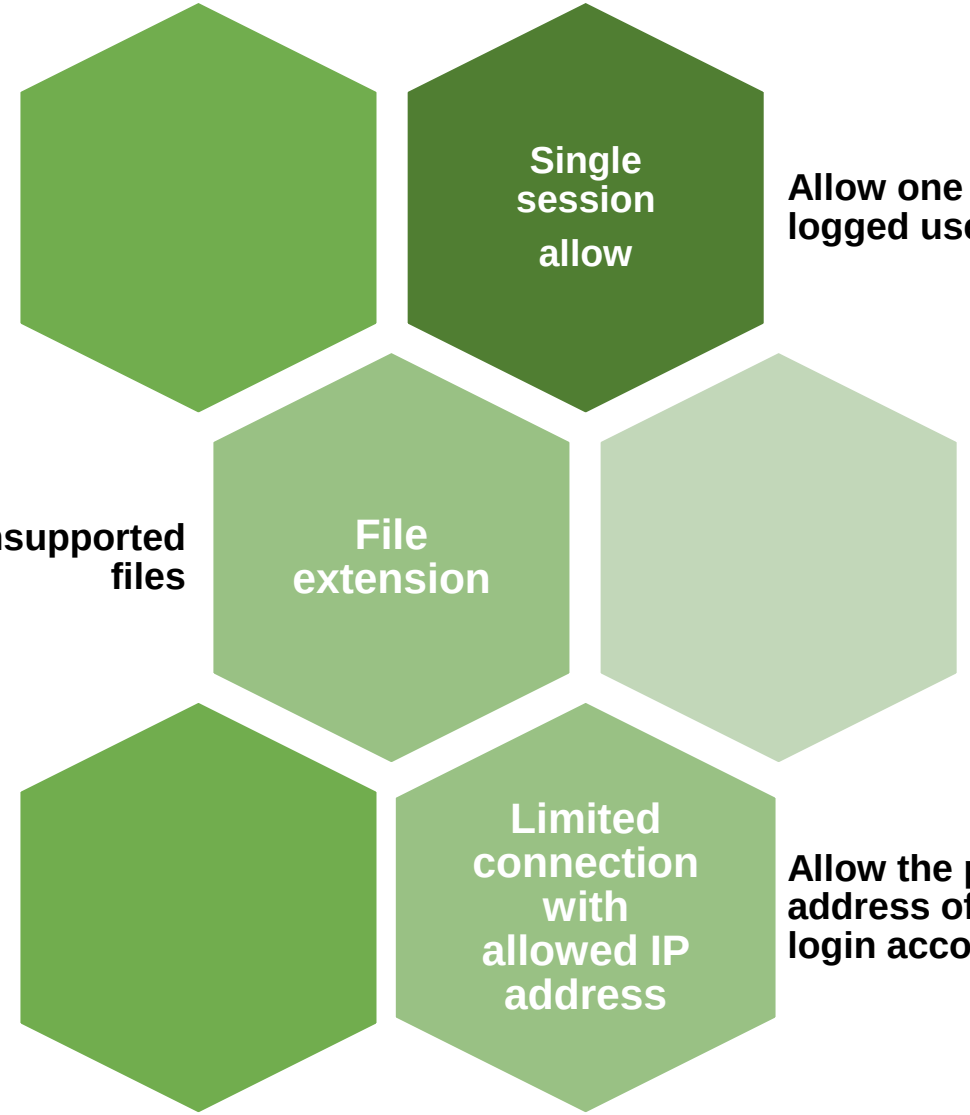
Enhanced Security Settings



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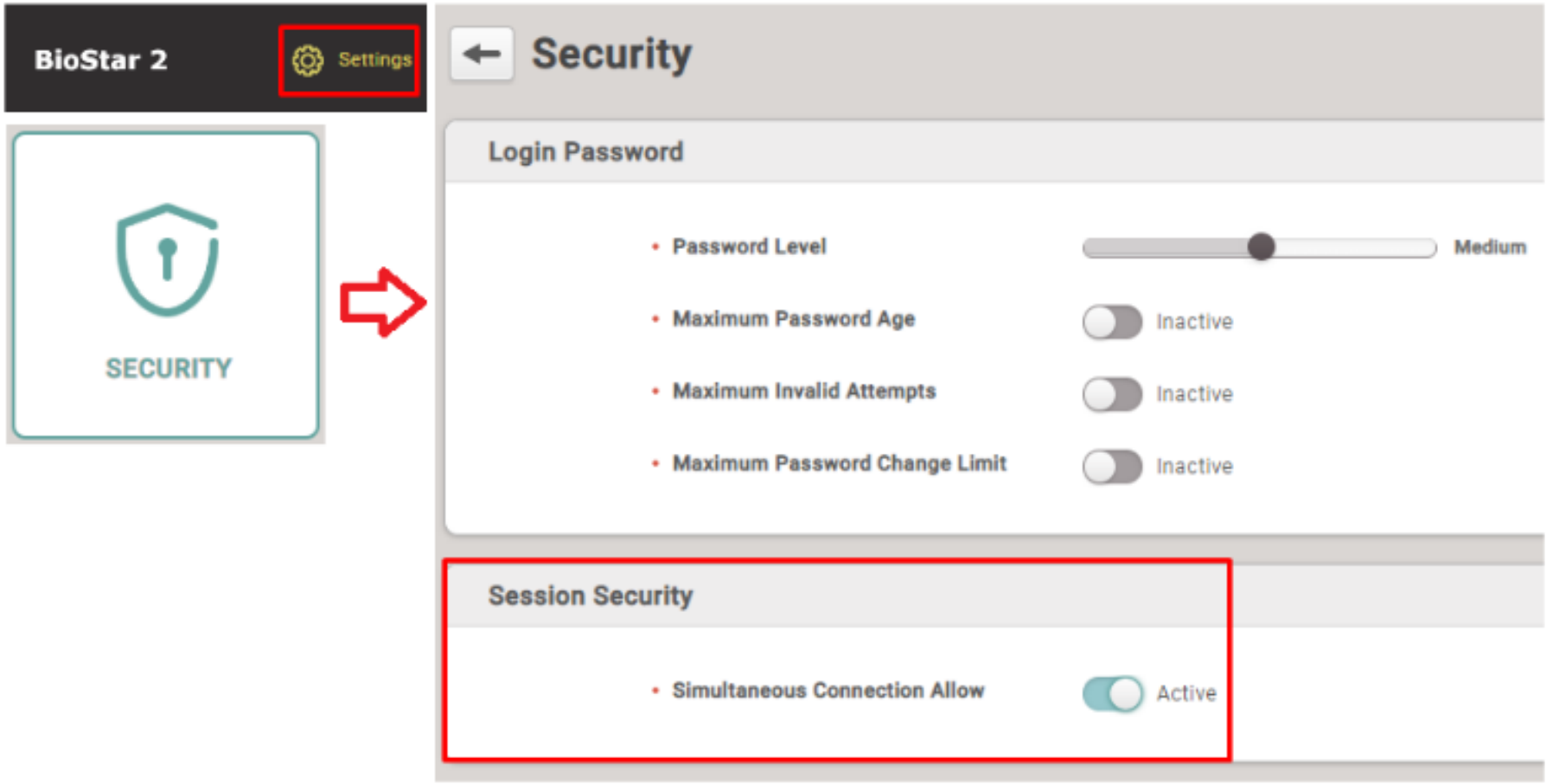
Enhanced Security Settings – Session Security

✓ 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-

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Enhanced Security Settings – Session Security

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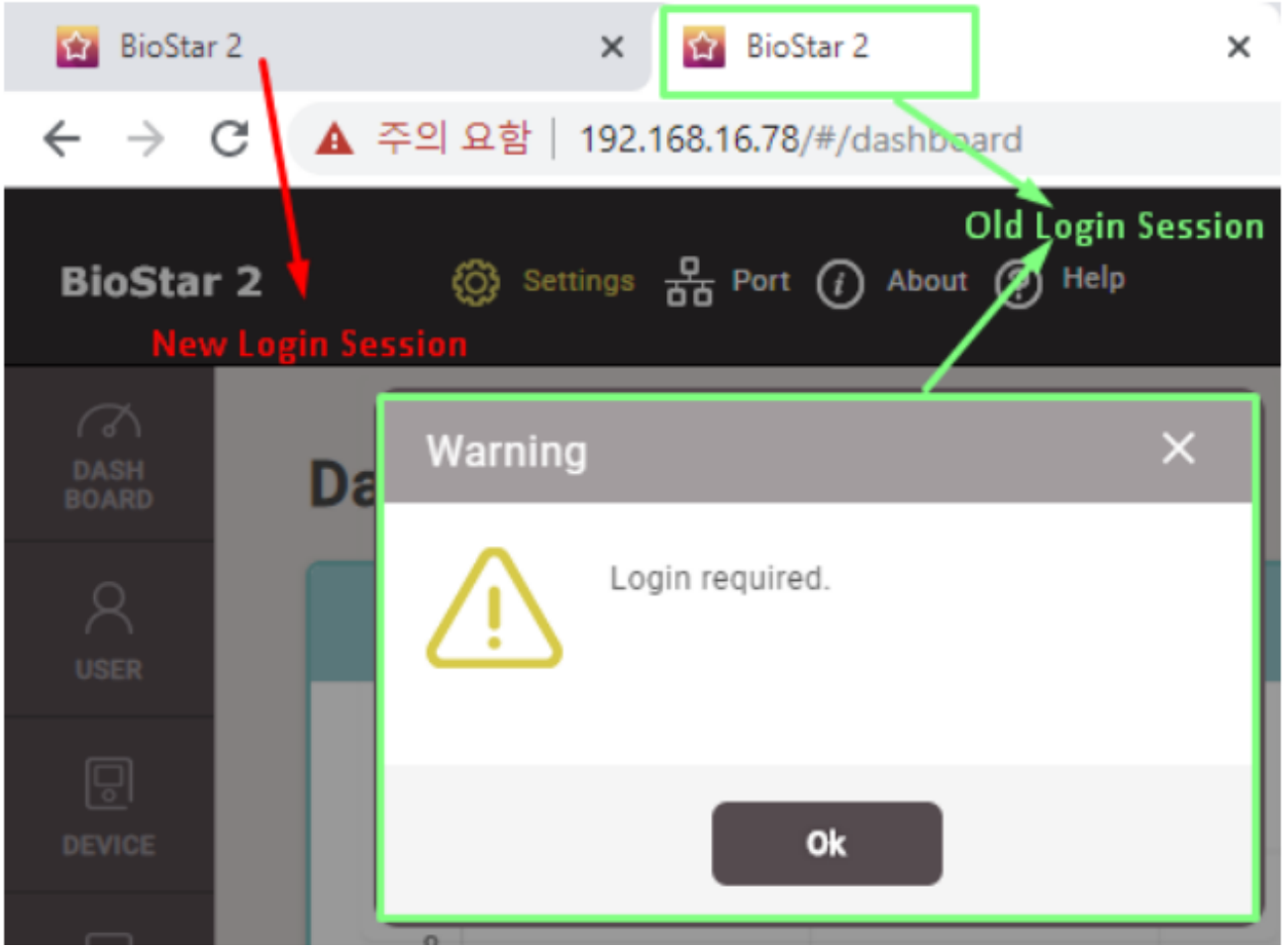

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Enhanced Security Settings – Extension Check

✓ Check file extensions to limit malicious file uploads

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

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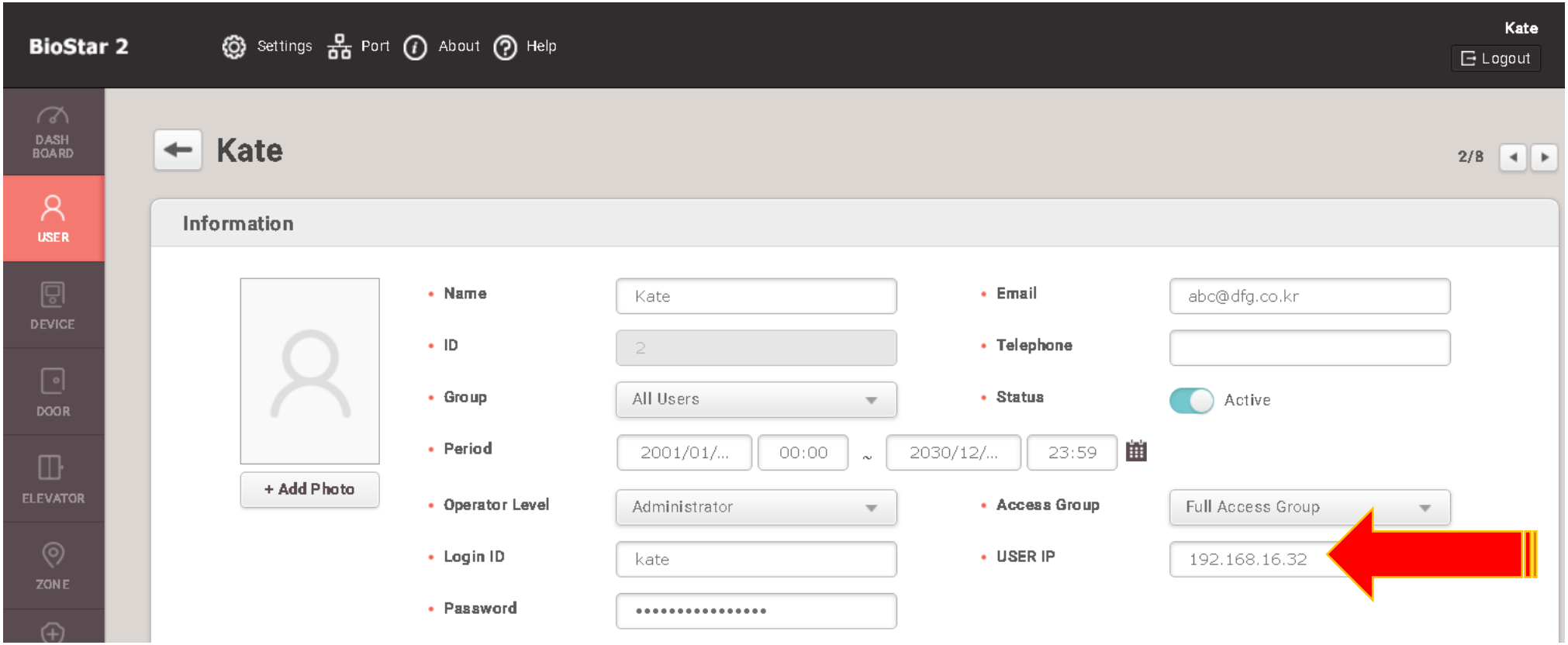
Enhanced Security Settings – Allowed IP address

✓ 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



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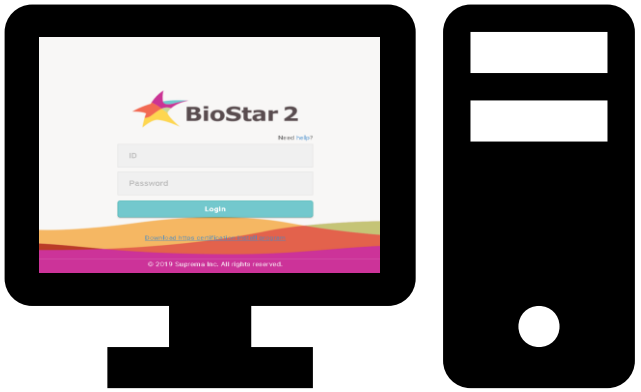
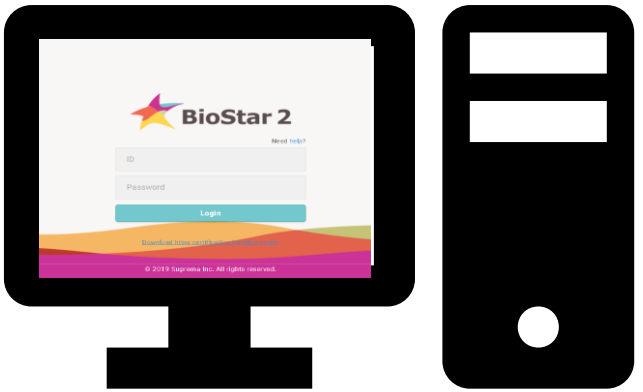
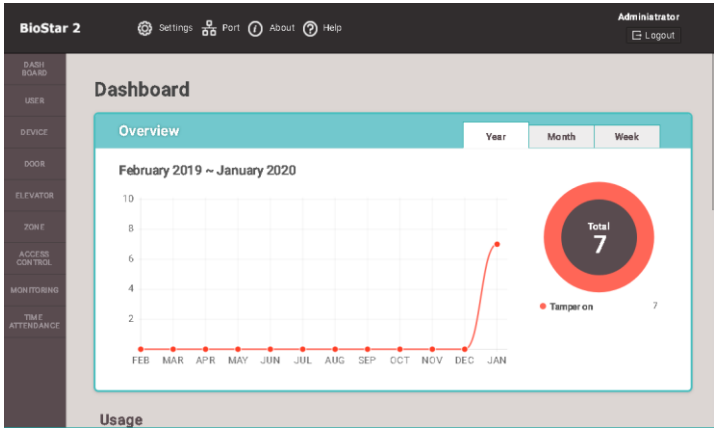
Enhanced Security Settings – Allowed IP address

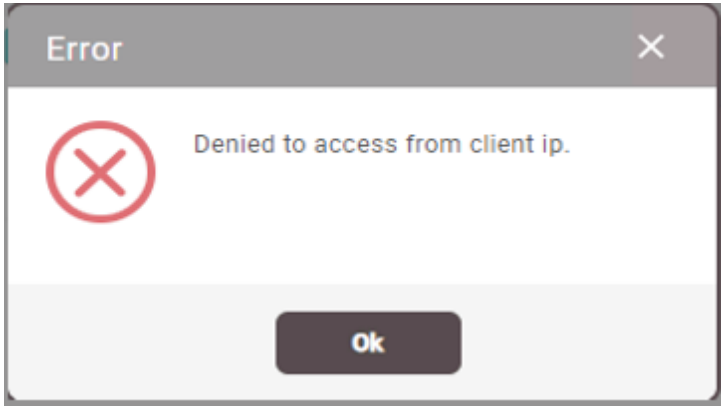
192.168.16.32



192.168.16.34







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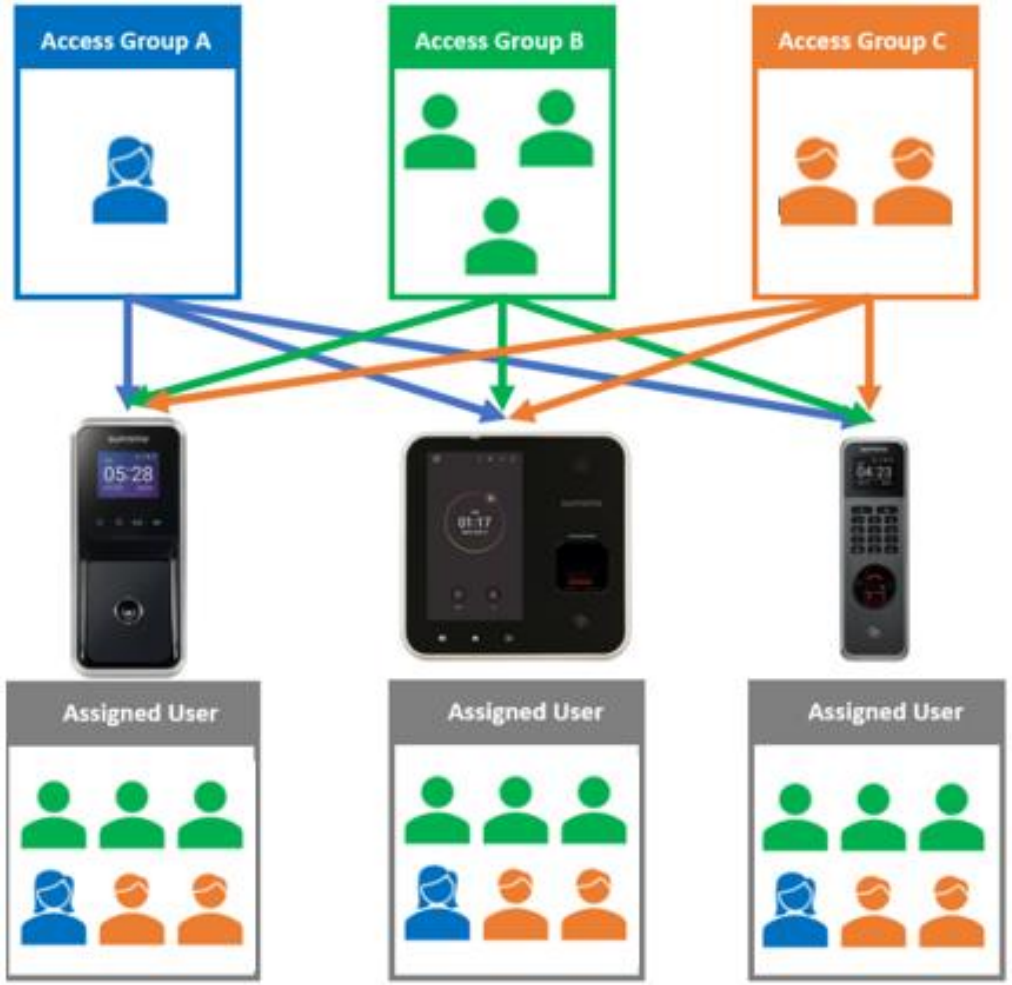
'Specific Devices(Only Devices Belonging to the Access Group)' Option

✓ Background

- Can’t transfer users to devices due to the user capacity of the device.



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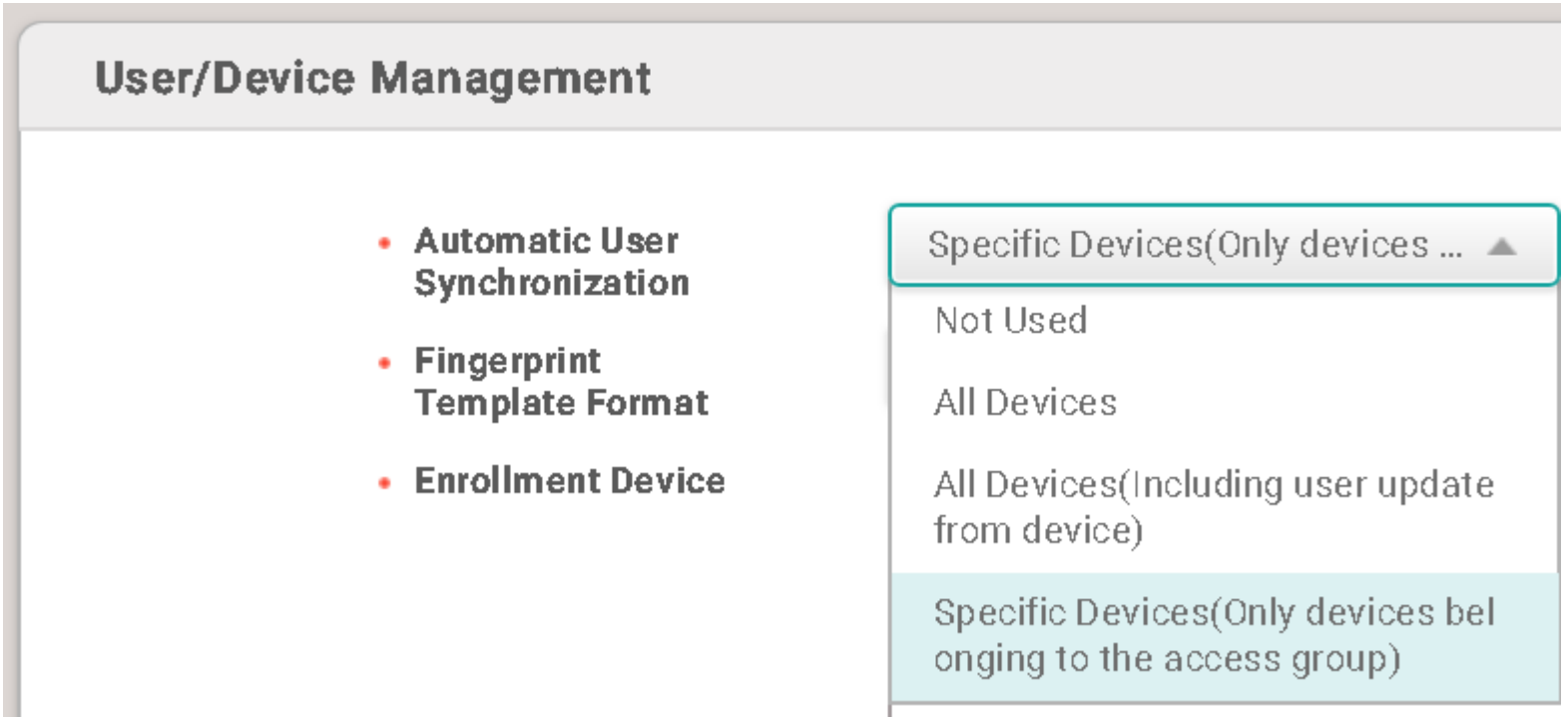
'Specific Devices(Only Devices Belonging to the Access Group)' Option

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



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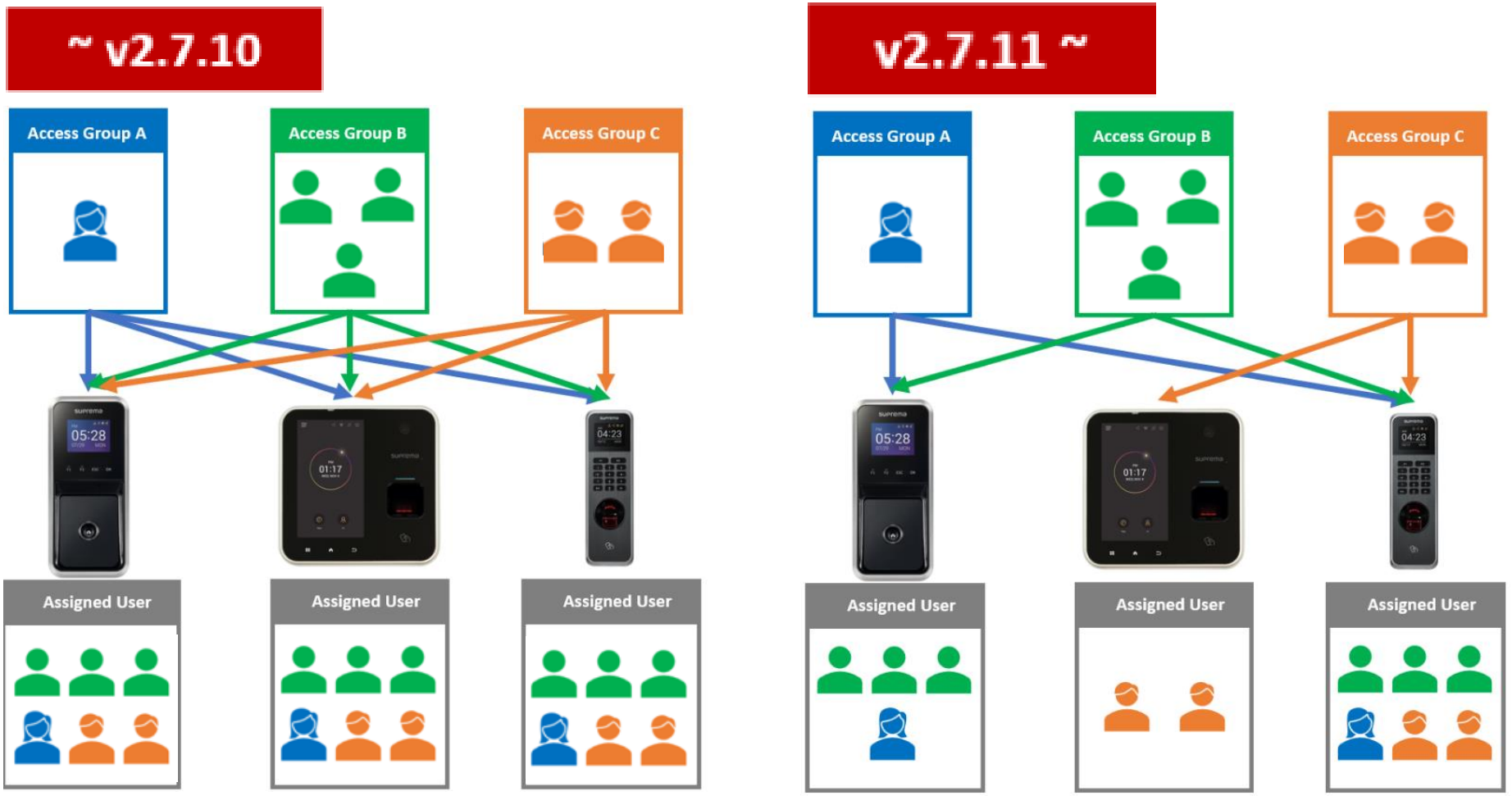

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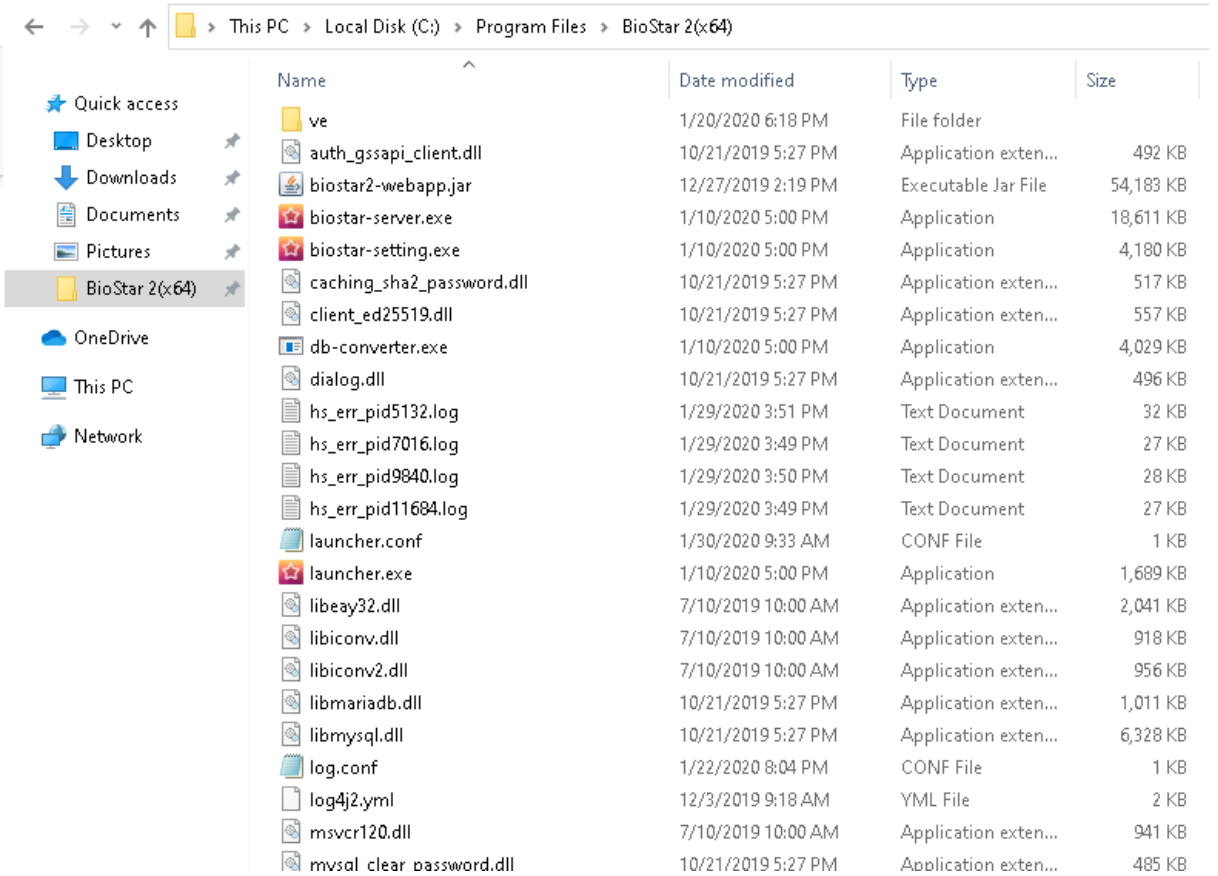
New Features and Improvements

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



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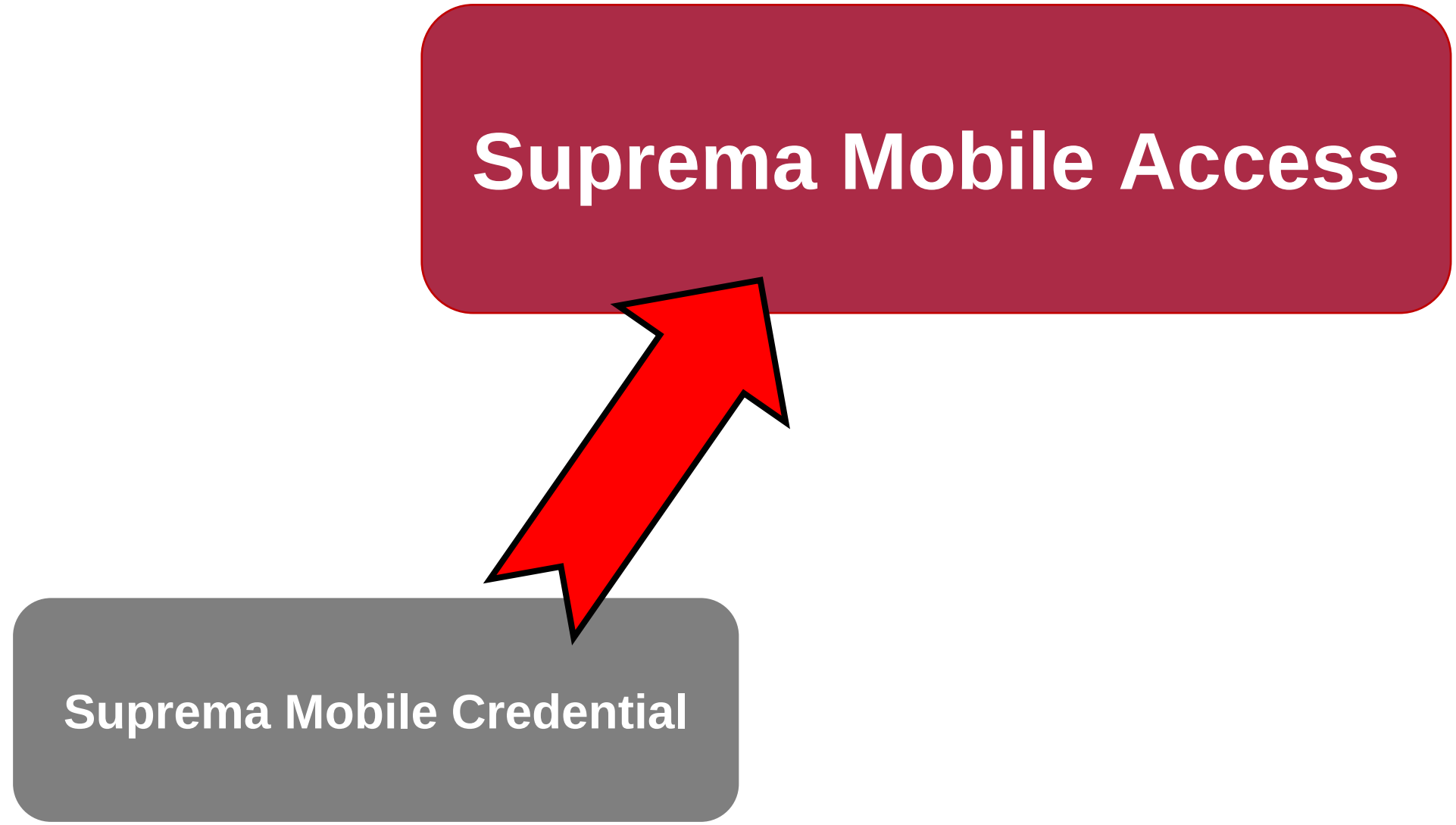
Suprema Mobile Credential (Suprema Mobile Access)



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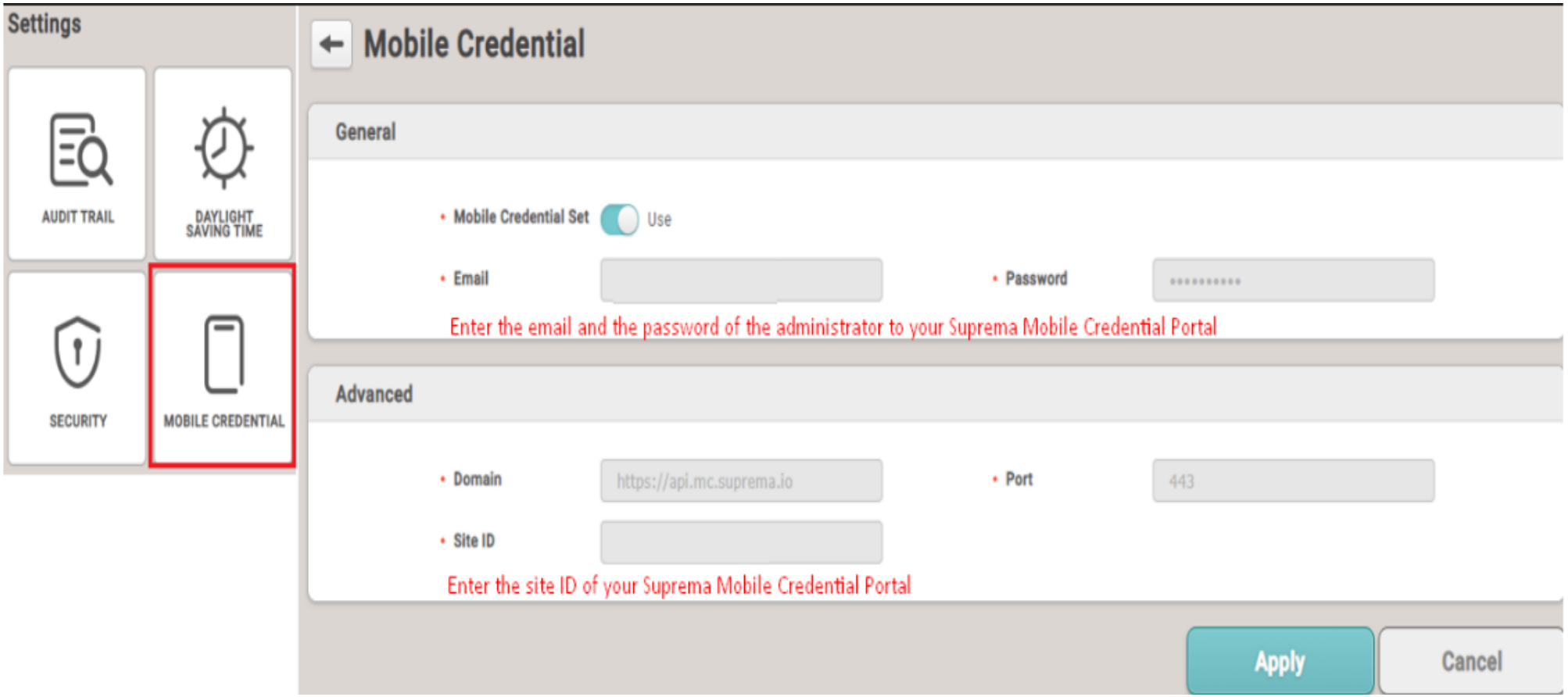
Suprema Mobile Credential (Suprema Mobile Access)

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



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

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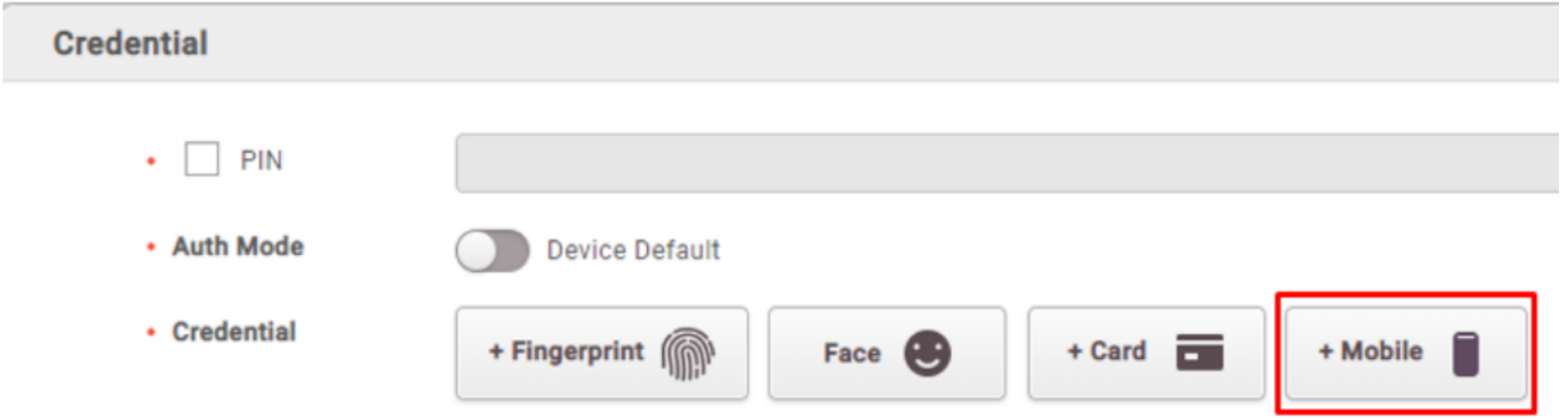
Suprema Mobile Credential (Suprema Mobile Access)



✓ 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

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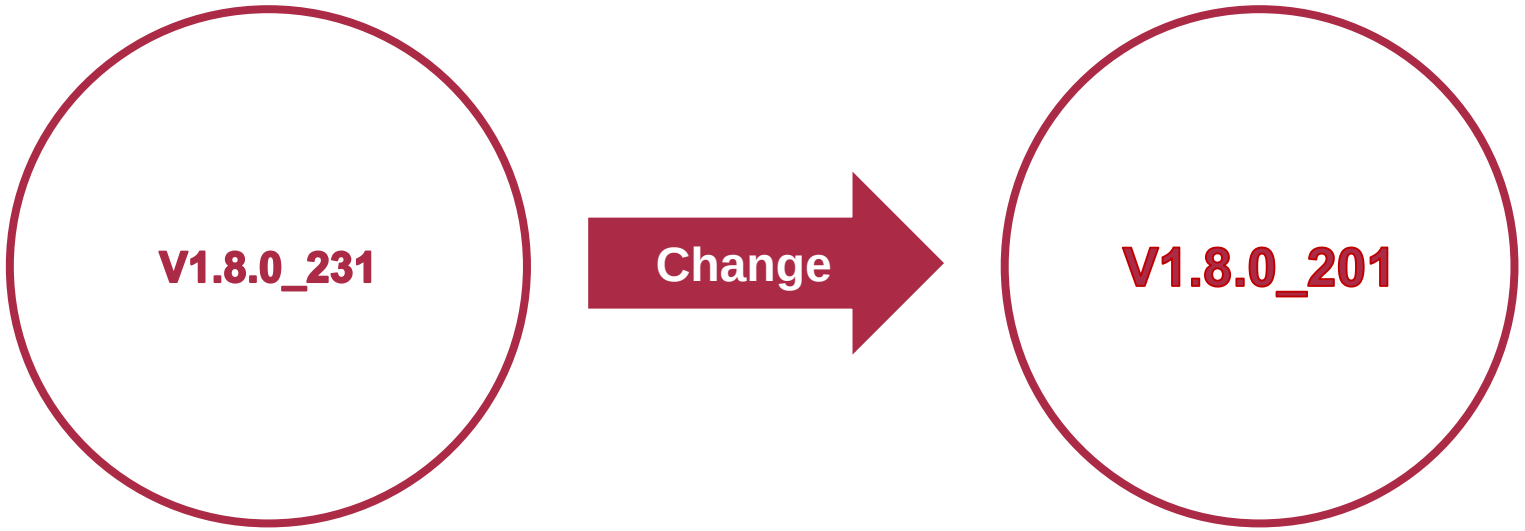
Changed the Included JAVA Version

✓ 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



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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)

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

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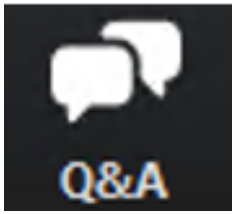
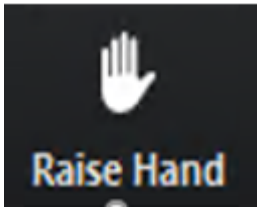
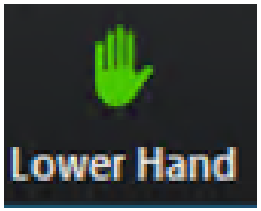
Question & Answer







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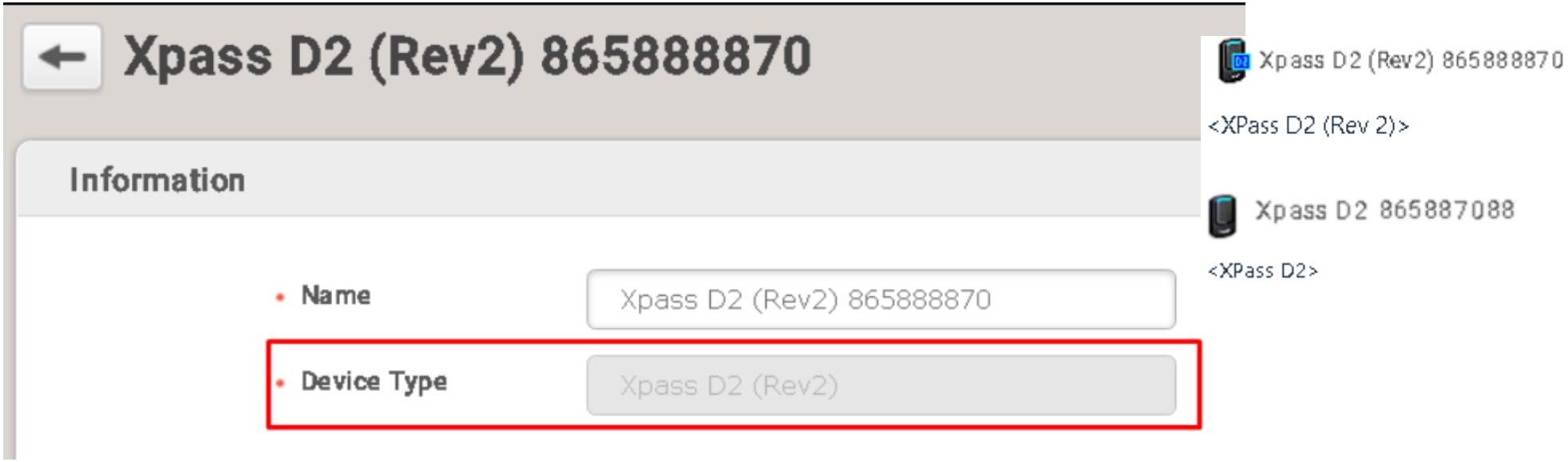
New Features and Improvements

BioStar v2.7.14

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

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



✓ 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-

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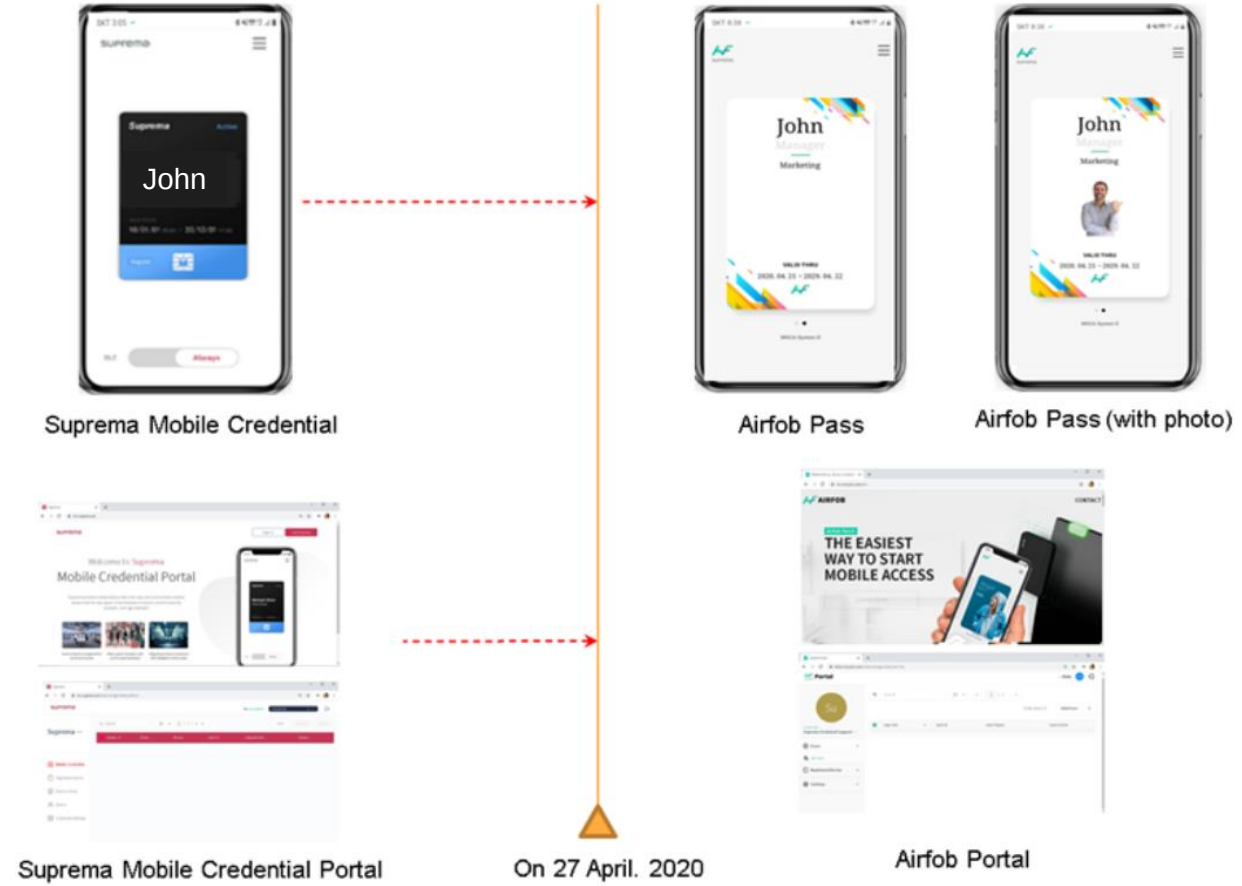
Enhancement in Suprema Mobile Credential (Access) Usage

✓ 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

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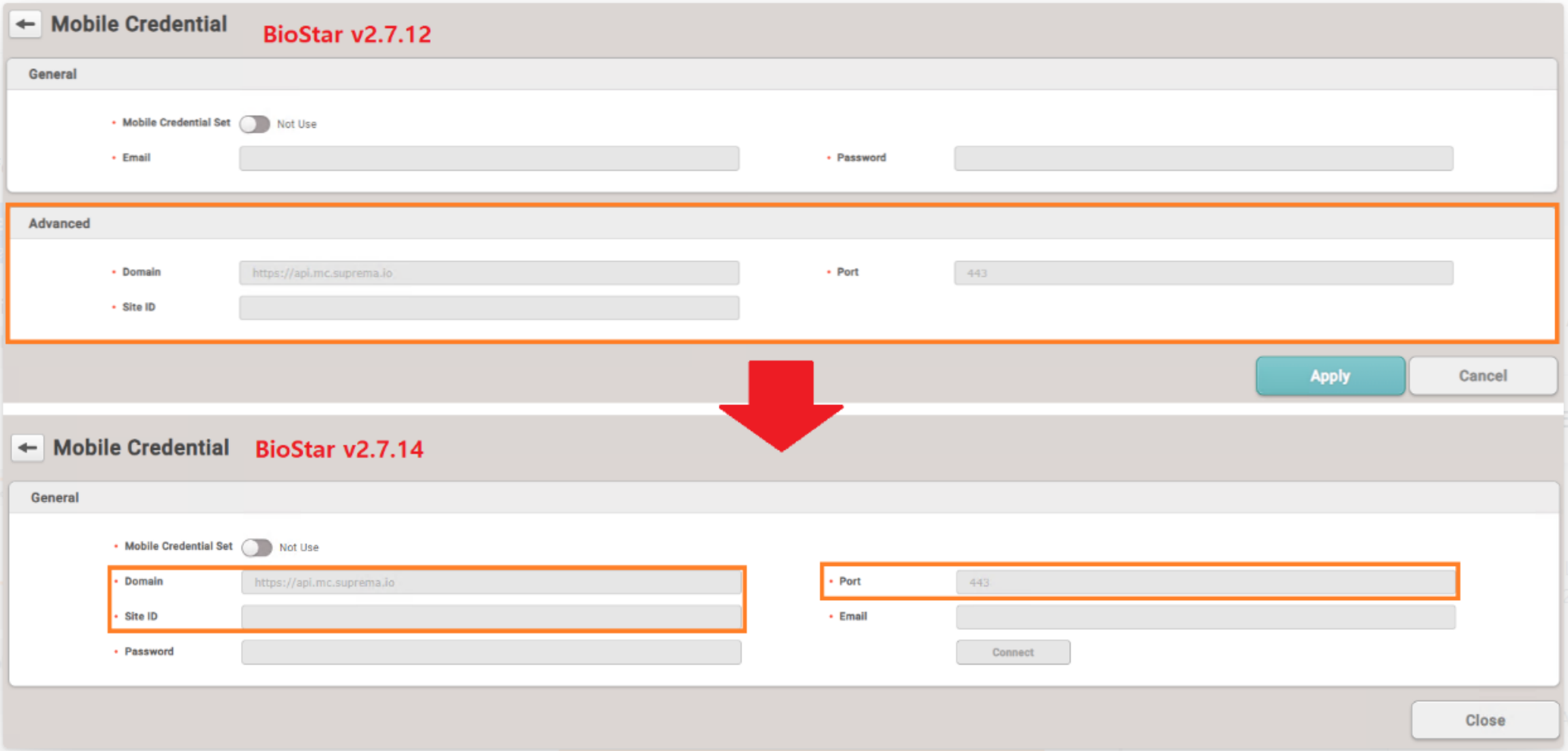
Enhancement in Suprema Mobile Credential (Access) Usage

✓ **Merged Mobile Credential's Advanced part into General items**

(Updated Part: BioStar 2>Settings>Mobile Credential)



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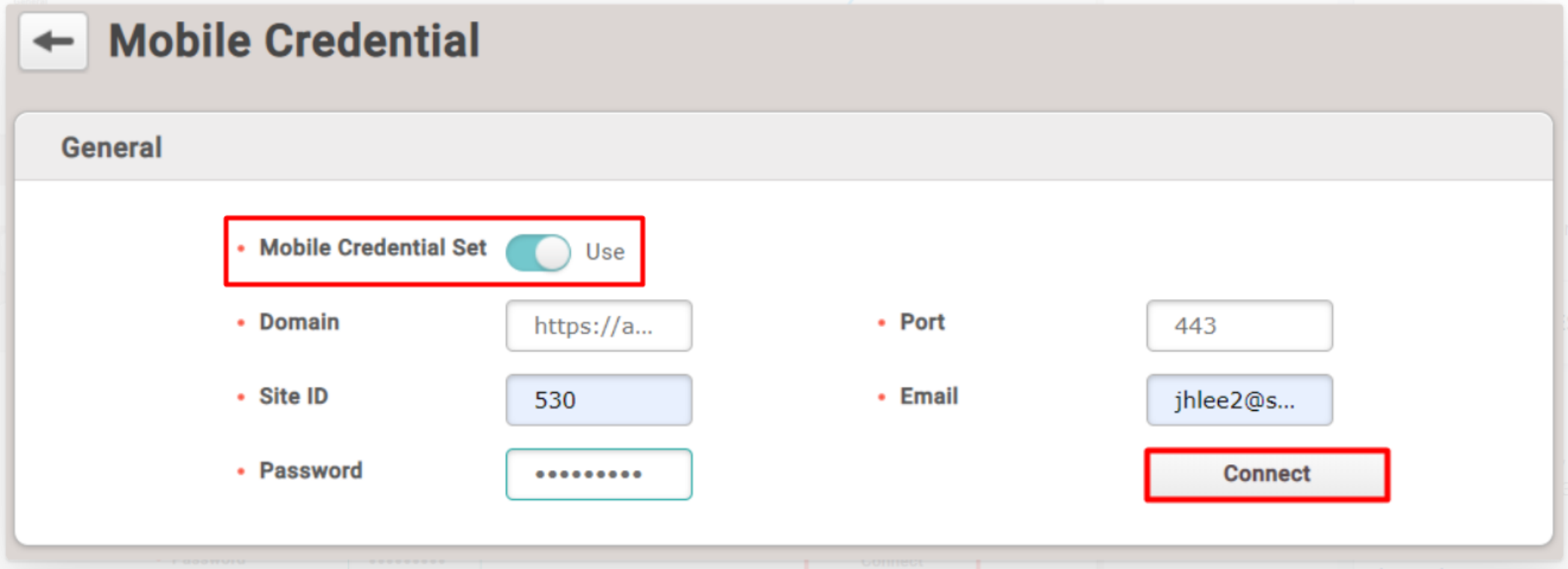
Enhancement in Suprema Mobile Credential (Access) Usage

✓ Change of Mobile Credential Usage

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



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

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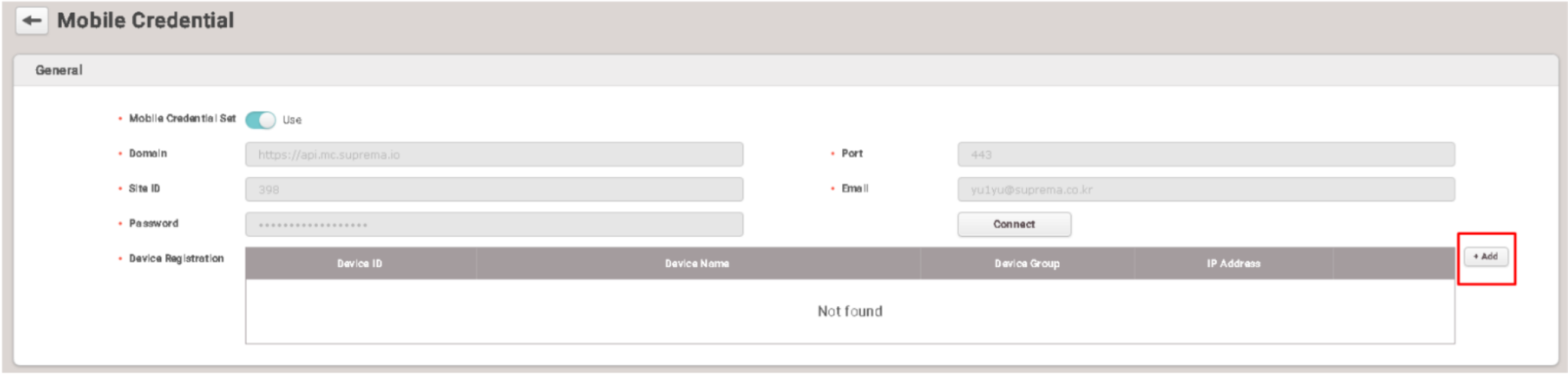
Enhancement in Suprema Mobile Credential (Access) Usage

✓ Change of Mobile Credential Usage

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



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

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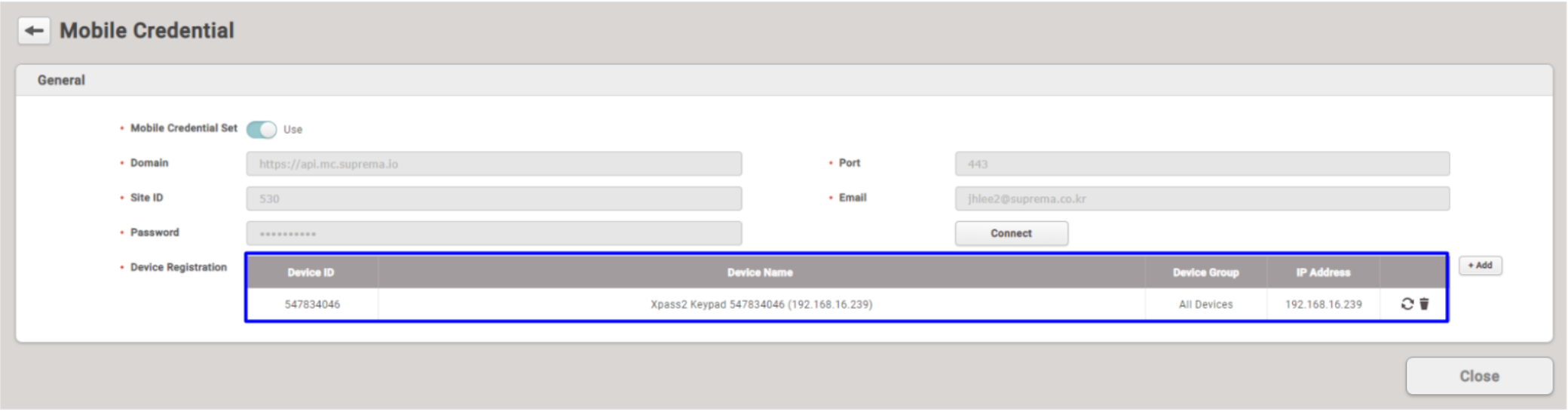
Enhancement in Suprema Mobile Credential (Access) Usage

✓ 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.



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

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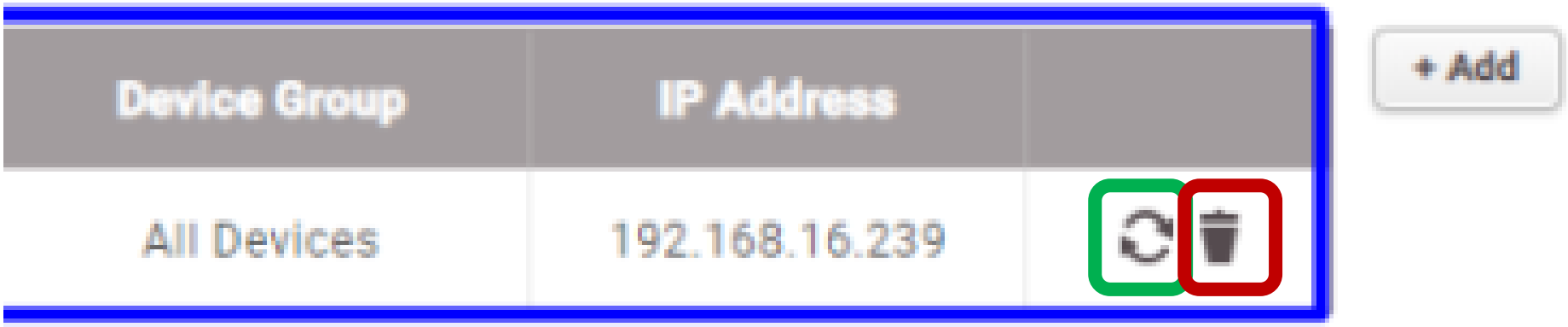
Enhancement in Suprema Mobile Credential (Access) Usage

✓ 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.

- '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.



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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

https://support.supremainc.com/en/support/solutions/articles/24000053794--biostar-2-supports-windows-authentication-for-ms-sql-database-server-connections

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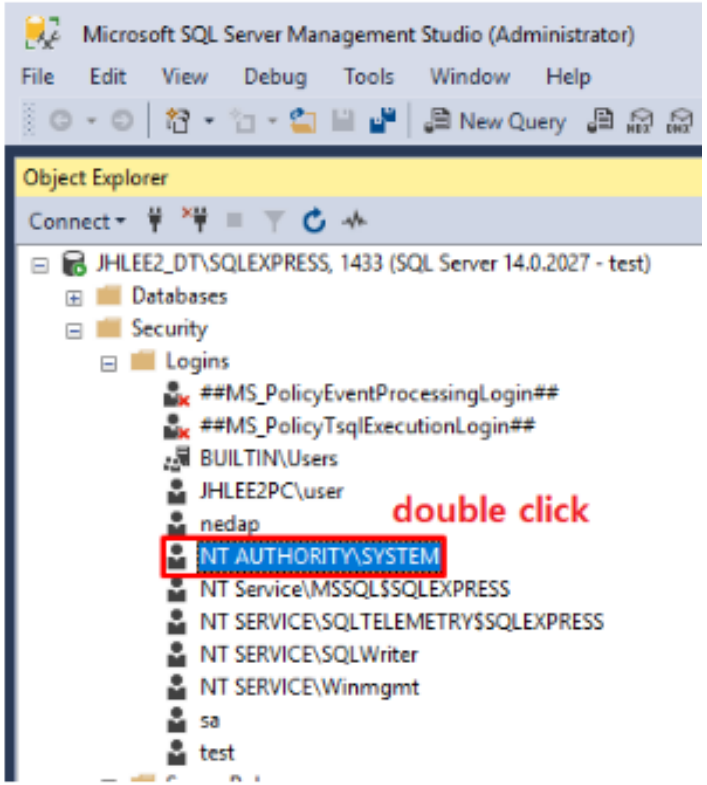
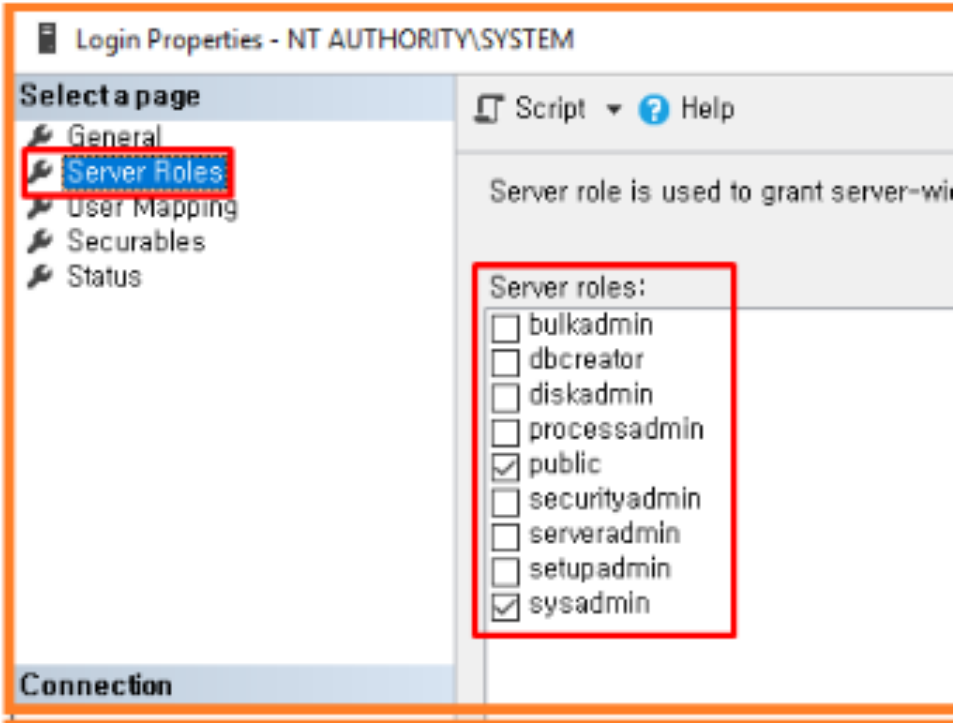
Support Windows Authentication for MS SQL DB Server Connections

➢ 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.





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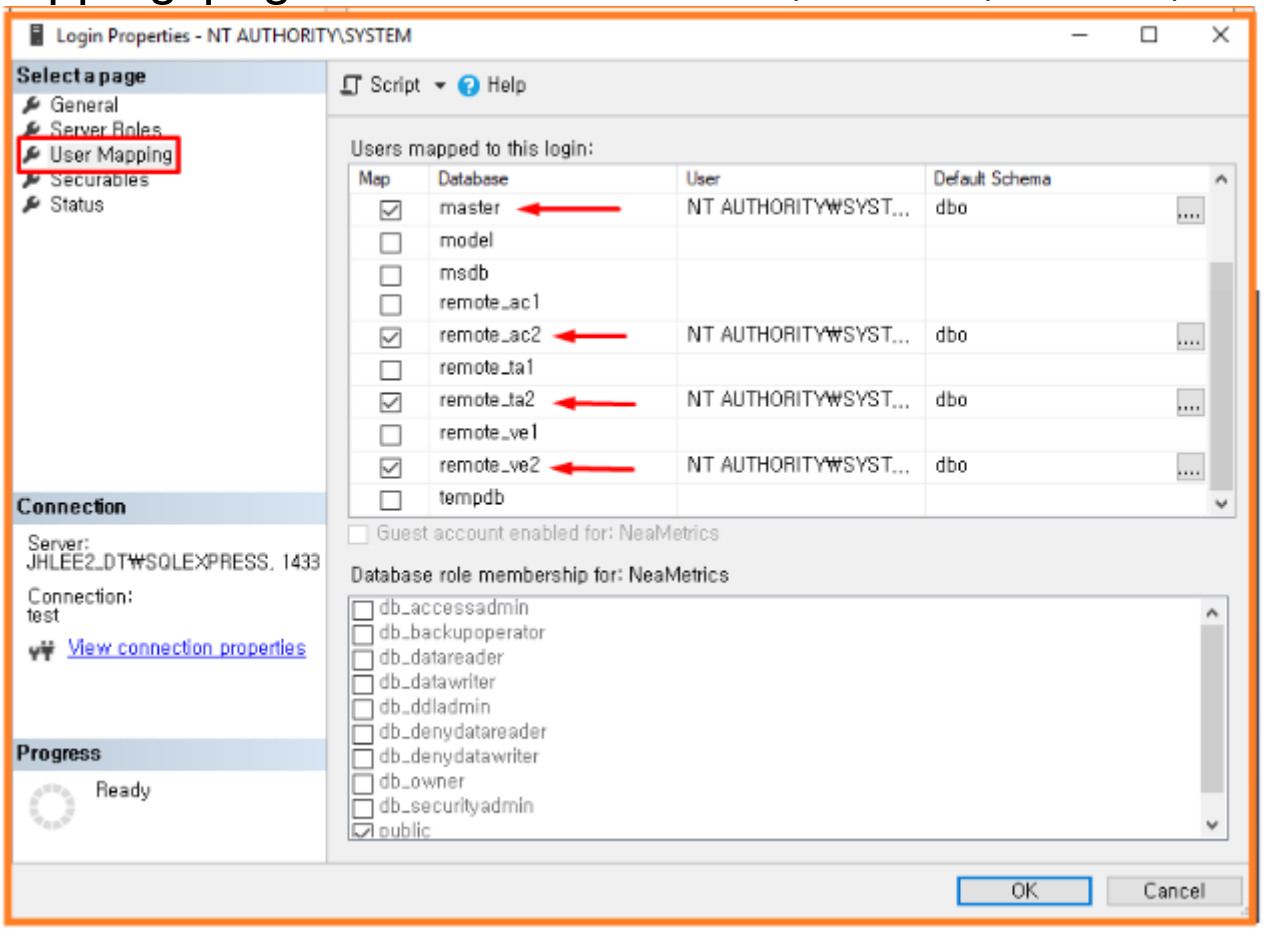
Support Windows Authentication for MS SQL DB Server Connections

➢ Non Active Directory PC Environment

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



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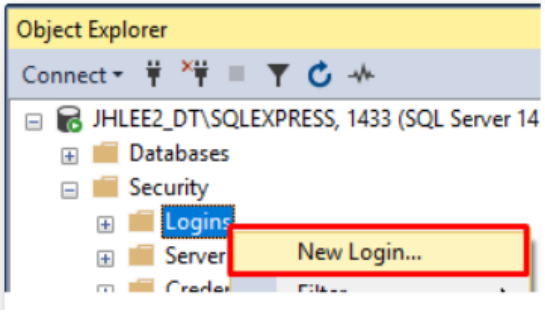
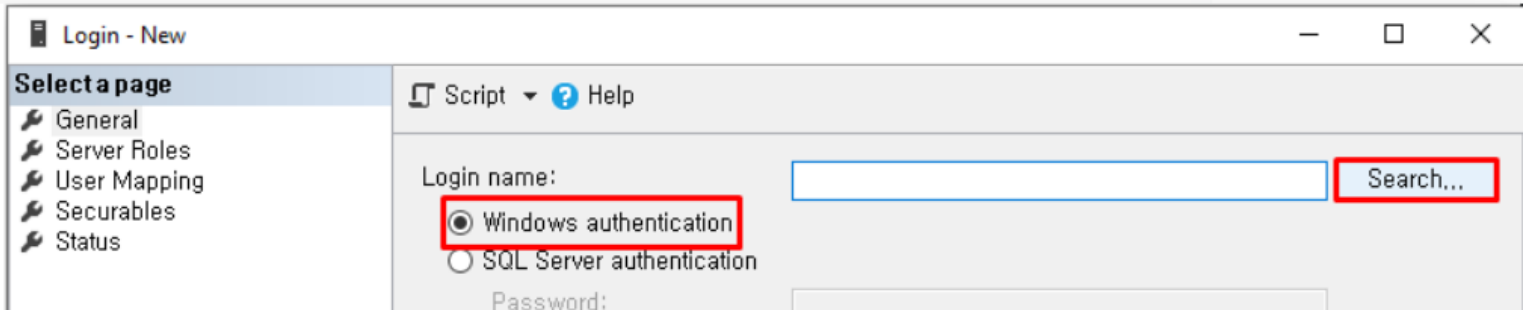
Support Windows Authentication for MS SQL DB Server Connections

➢ 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.





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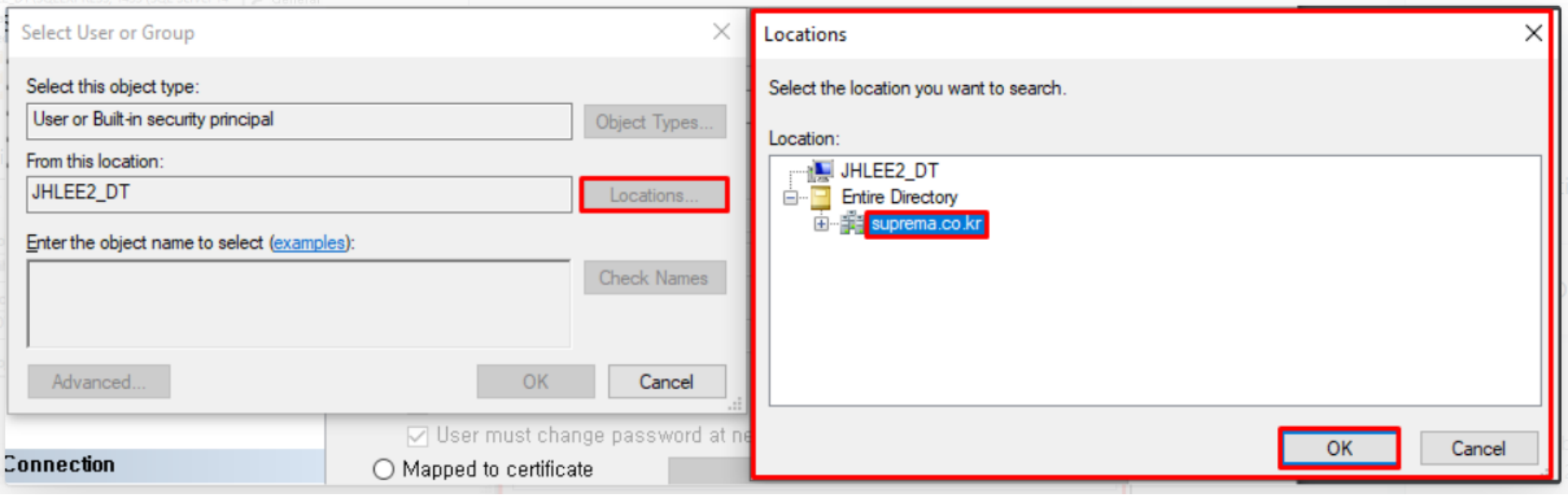
Support Windows Authentication for MS SQL DB Server Connections

➢ Active Directory PC Environment

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



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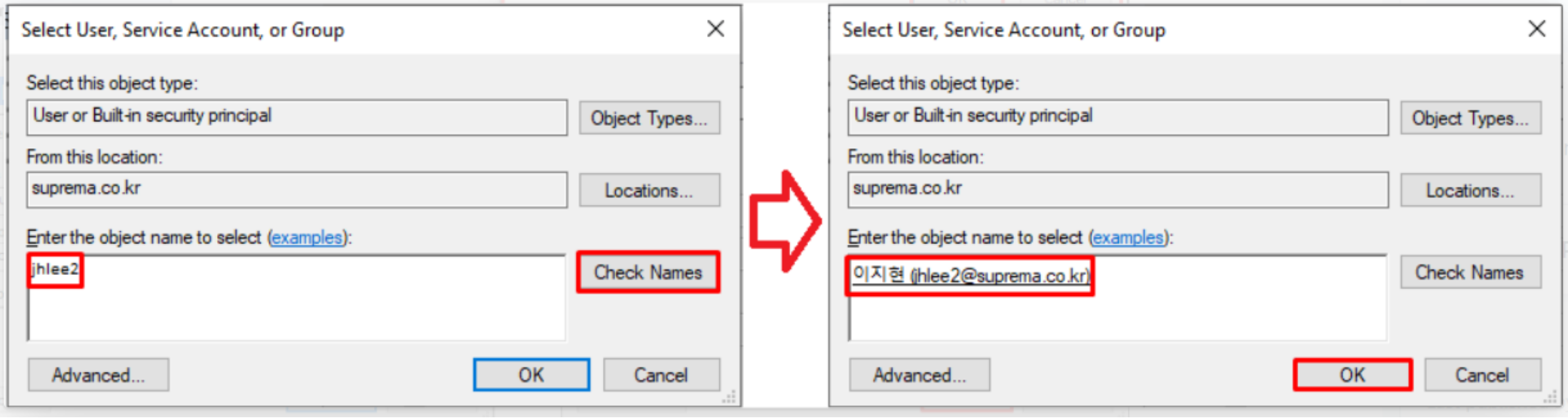
Support Windows Authentication for MS SQL DB Server Connections

➢ Active Directory PC Environment

- Check your name and click 'OK'.



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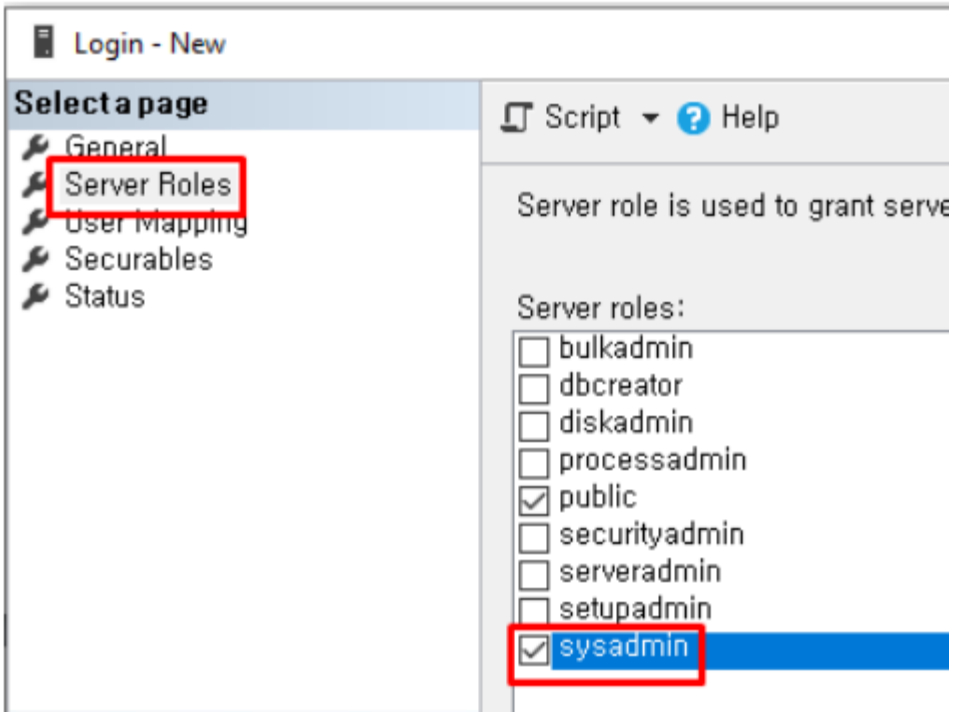
Support Windows Authentication for MS SQL DB Server Connections

➢ Active Directory PC Environment

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



https://support.supremainc.com/en/support/solutions/articles/24000053794--biostar-2-supports-windows-authentication-for-ms-sql-database-server-connections

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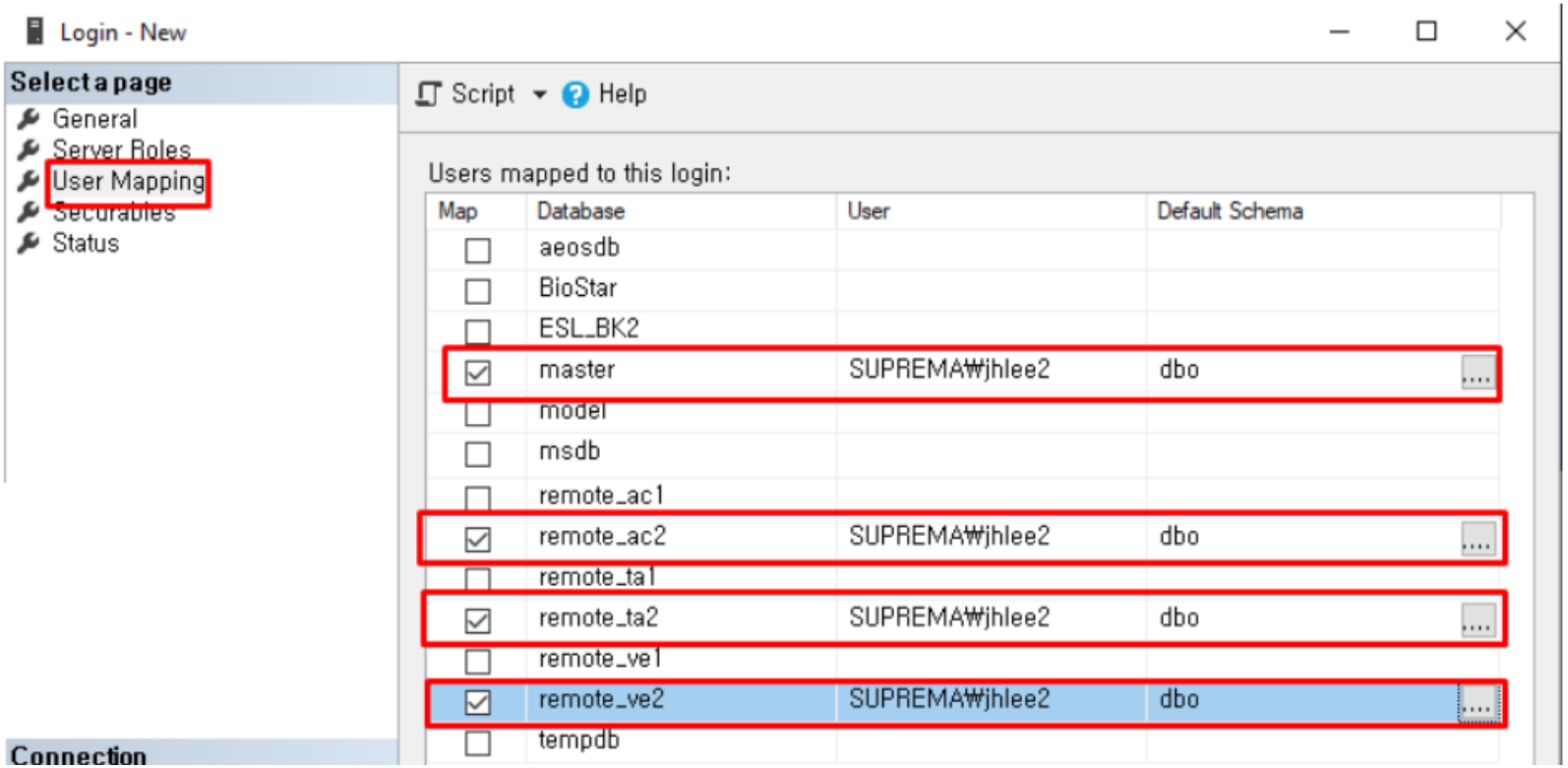
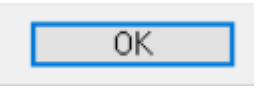
Support Windows Authentication for MS SQL DB Server Connections

➢ 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'.





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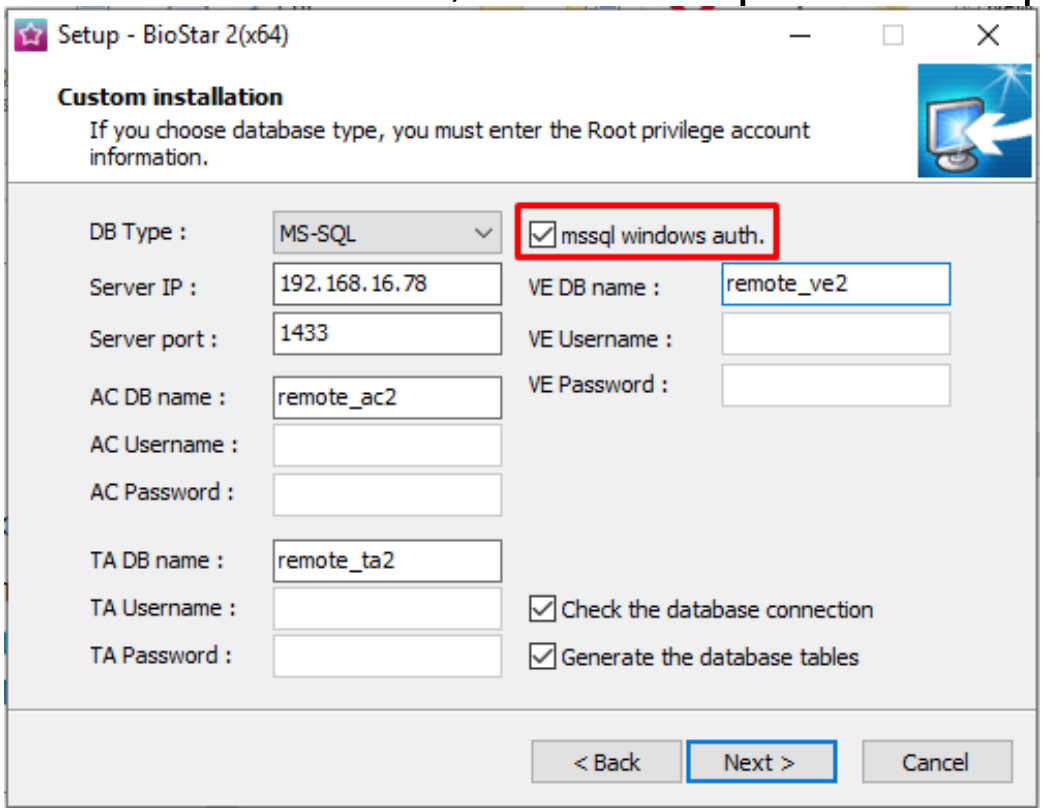
Support Windows Authentication for MS SQL DB Server Connections

➢ 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.



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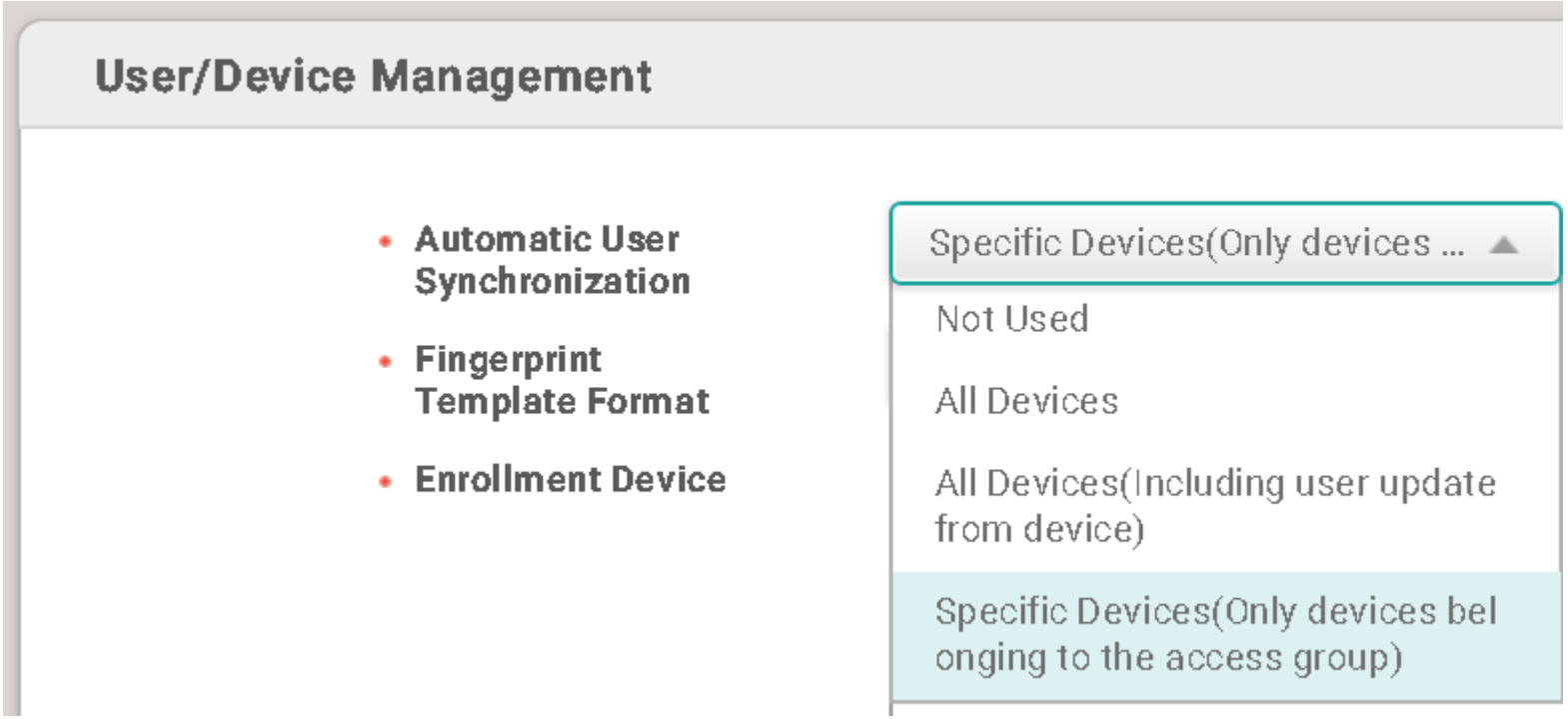
Stabilization of ‘Specific Devices’ Automatic User Synchronization Option

- ✓ 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.



https://support.supremainc.com/en/support/solutions/articles/24000049304--biostar-2-specific-devices-only-devices-belonging-to-the-access-group-option

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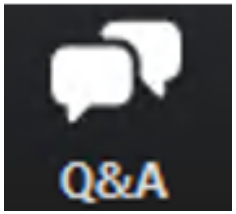
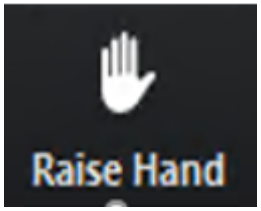
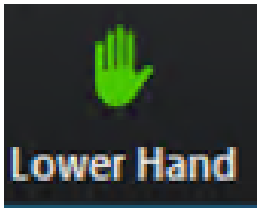
Question & Answer







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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

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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***)

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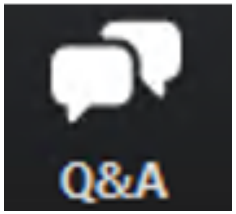
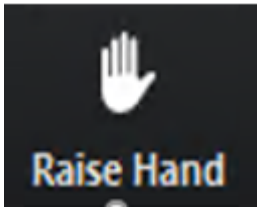
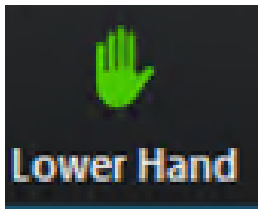
Question & Answer







Q&A

Break Time

suprema
SECURITY & BIOMETRICS
20 Years of Innovation

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

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What is the next?

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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 insig sector, mobile credentials globally have experie between 2017 and 2018. Over four million new r downloaded in 2018 and are the fastest growing control systems. However, research analyst, B in spite of this dynamic growth, mobile credent continued use of physical cards to enter a majo the next decade.

44 million mobile credentials to be downloaded by 2021

13th Oc

IHS Mar

Lanna C

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.

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Why ‘Suprema Mobile Access’ Card

Why mobile access?

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

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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

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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

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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

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Why Suprema Mobile Access card solution?

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Why Suprema Mobile Access card solution?

Best performance in screen off background mode

Customizable design

Powerful Credential option In BioStar2

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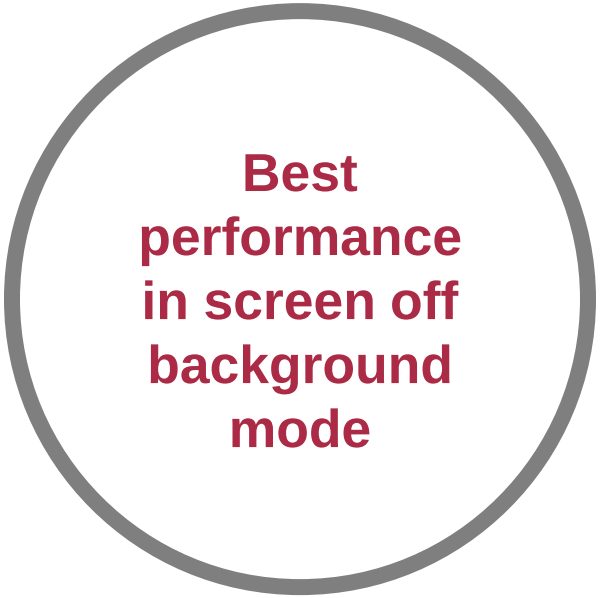
Why Suprema Mobile Access card solution?



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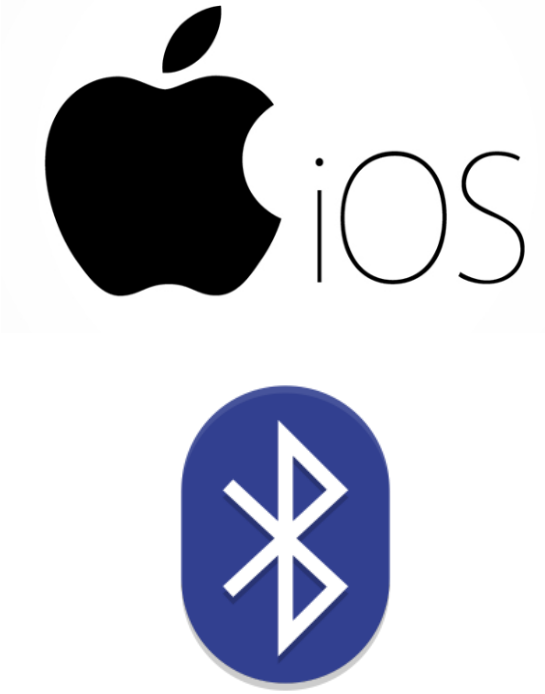
Why ‘Suprema Mobile Access’ Card



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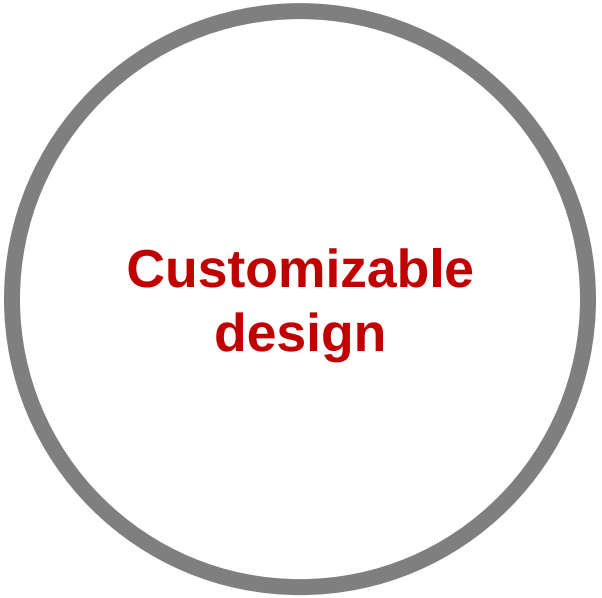
Why Suprema Mobile Access card solution?



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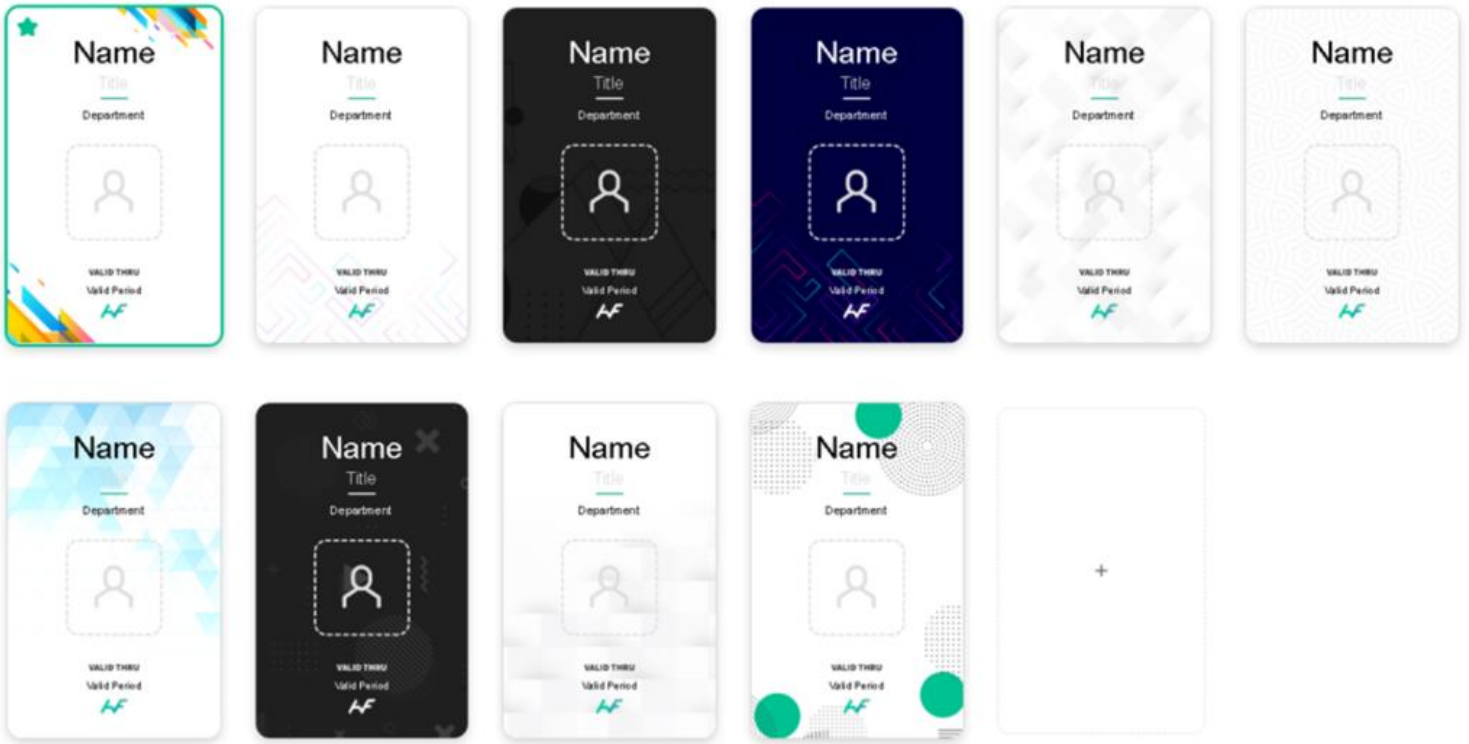
Why ‘Suprema Mobile Access’ Card

- **Custom Card Design Support**

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



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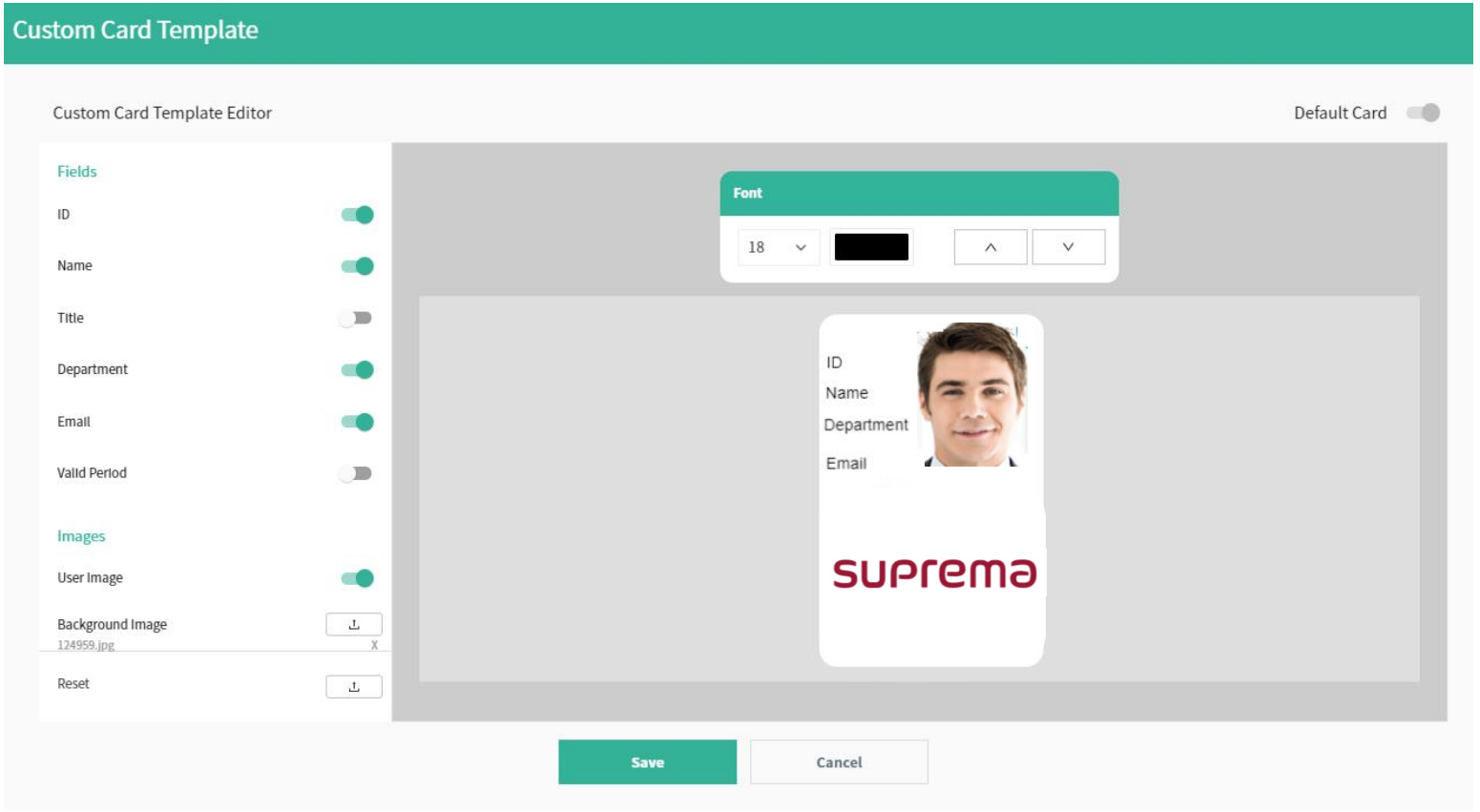

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Why Suprema Mobile Access card solution?

Powerful Credential option In BioStar2

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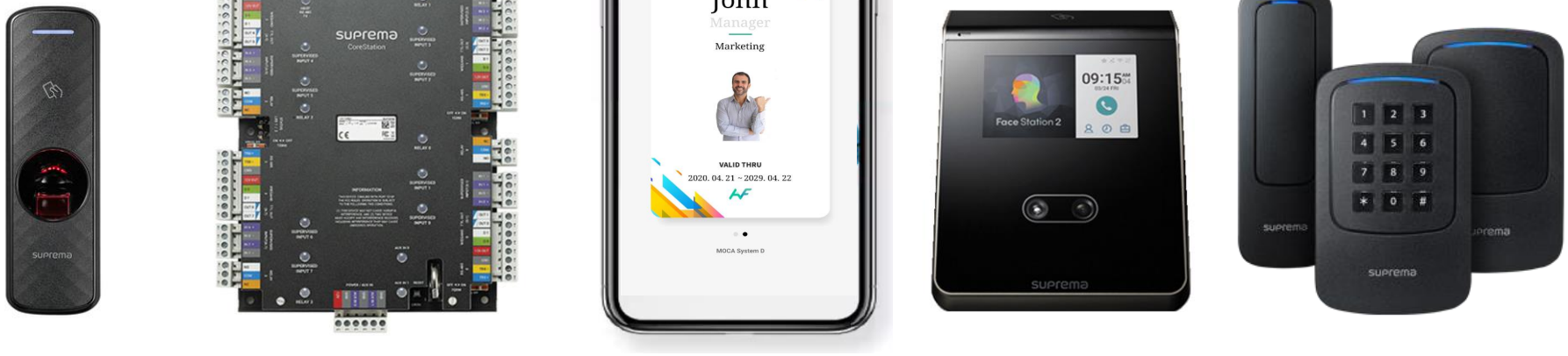
Why ‘Suprema Mobile Access’ Card

suprema BioStar 2



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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

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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) **Airfob Portal**
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 **BLE is supported ONLY the device model has 'B' at the end of the name.*	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	

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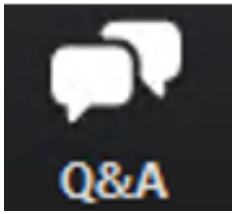
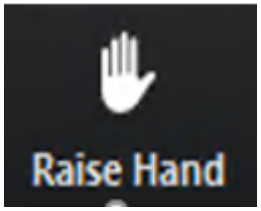
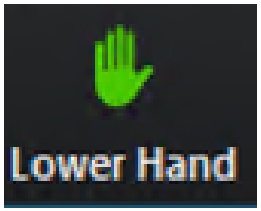
https://support.supremainc.com/en/support/discussions/topics/24000011247

Question & Answer







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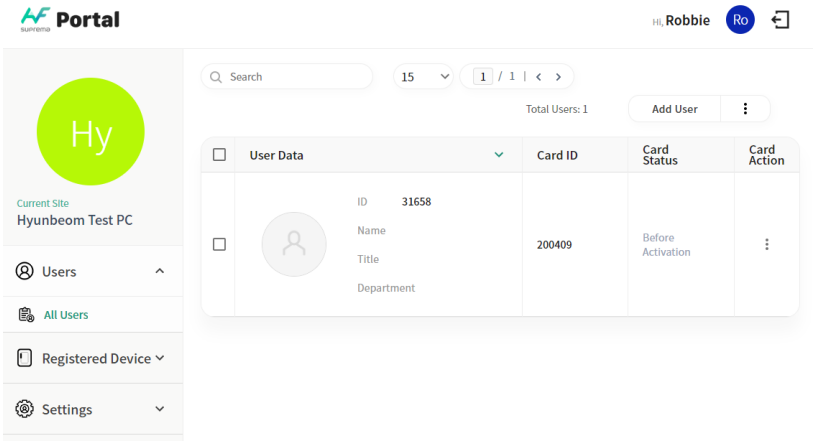
System Configuration

Suprema Mobile Access card solution

Airfob



Airfob Portal
For mobile access card issuance

Android 6.0 ~

iOS 11.0 ~

Airfob Pass
For mobile access card application

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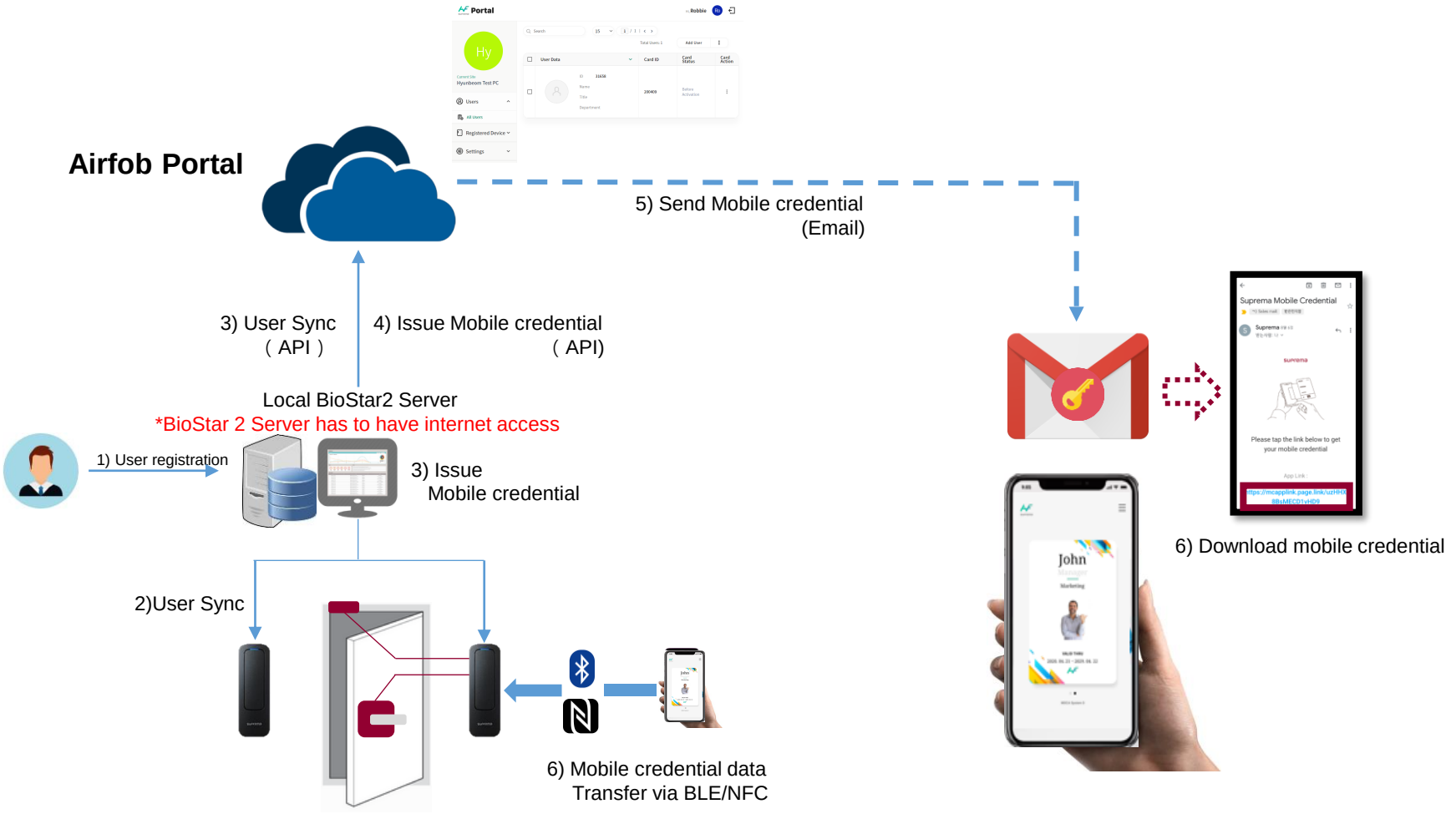
System Configuration



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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

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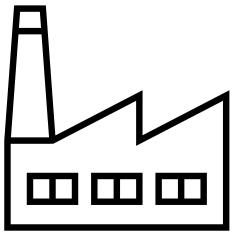
How Card ID of Suprema Mobile Access Generated Is?

General Cards

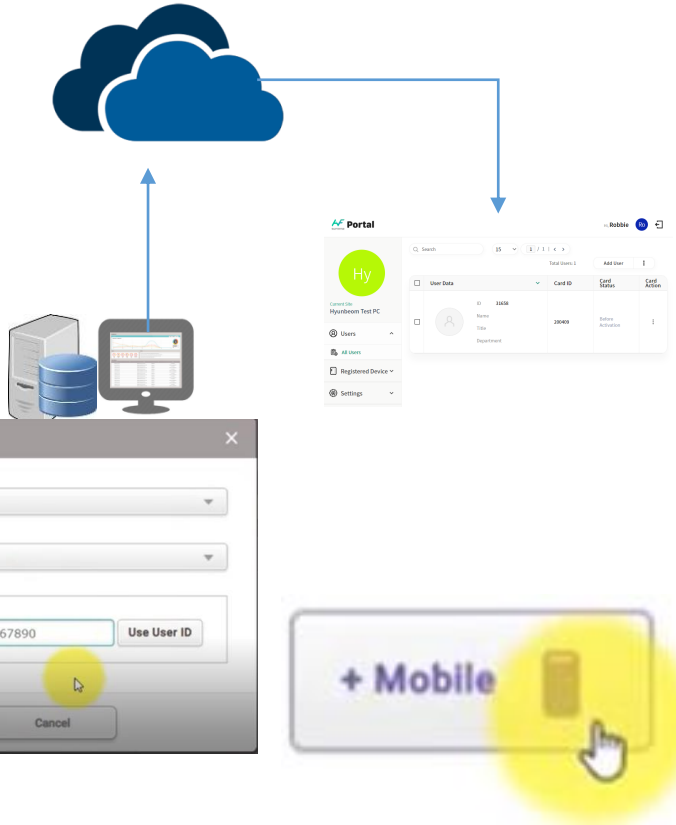
- EM Card, Mifare Card, DESFire Card
HID Prox Card, HID iClass Card

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)

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Card Type & License

Service Name Change

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

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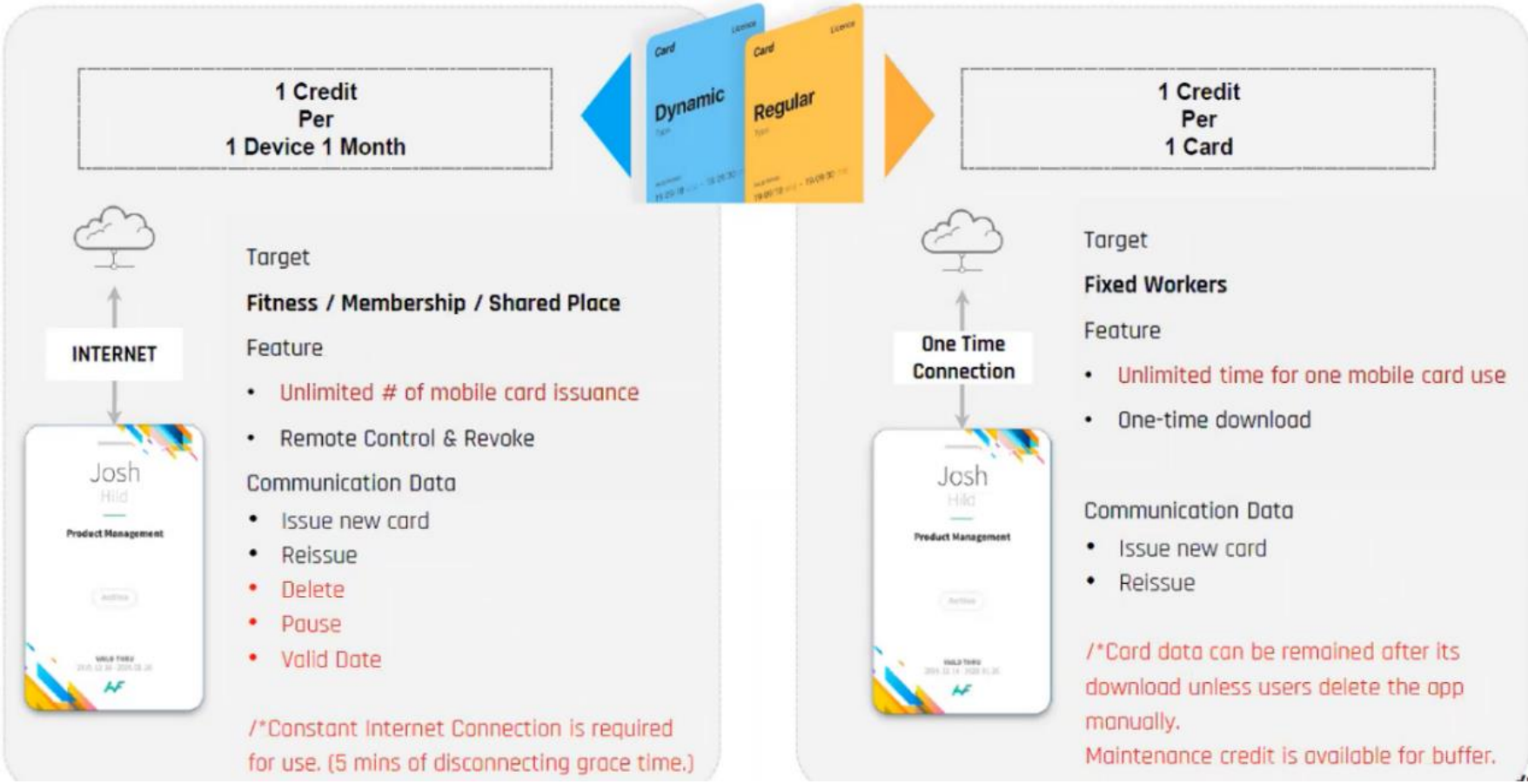
Card Type & License

- **Dynamic Card(Site) is supported in Airfob Portal**



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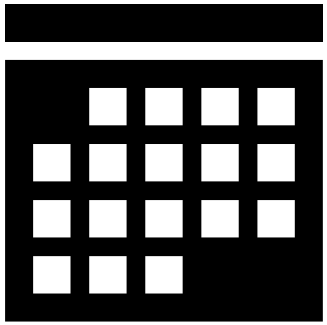
Card Type & License

* 1 Credit = 1 Device x 1 Month



X **36** months

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

= **72** Credits!

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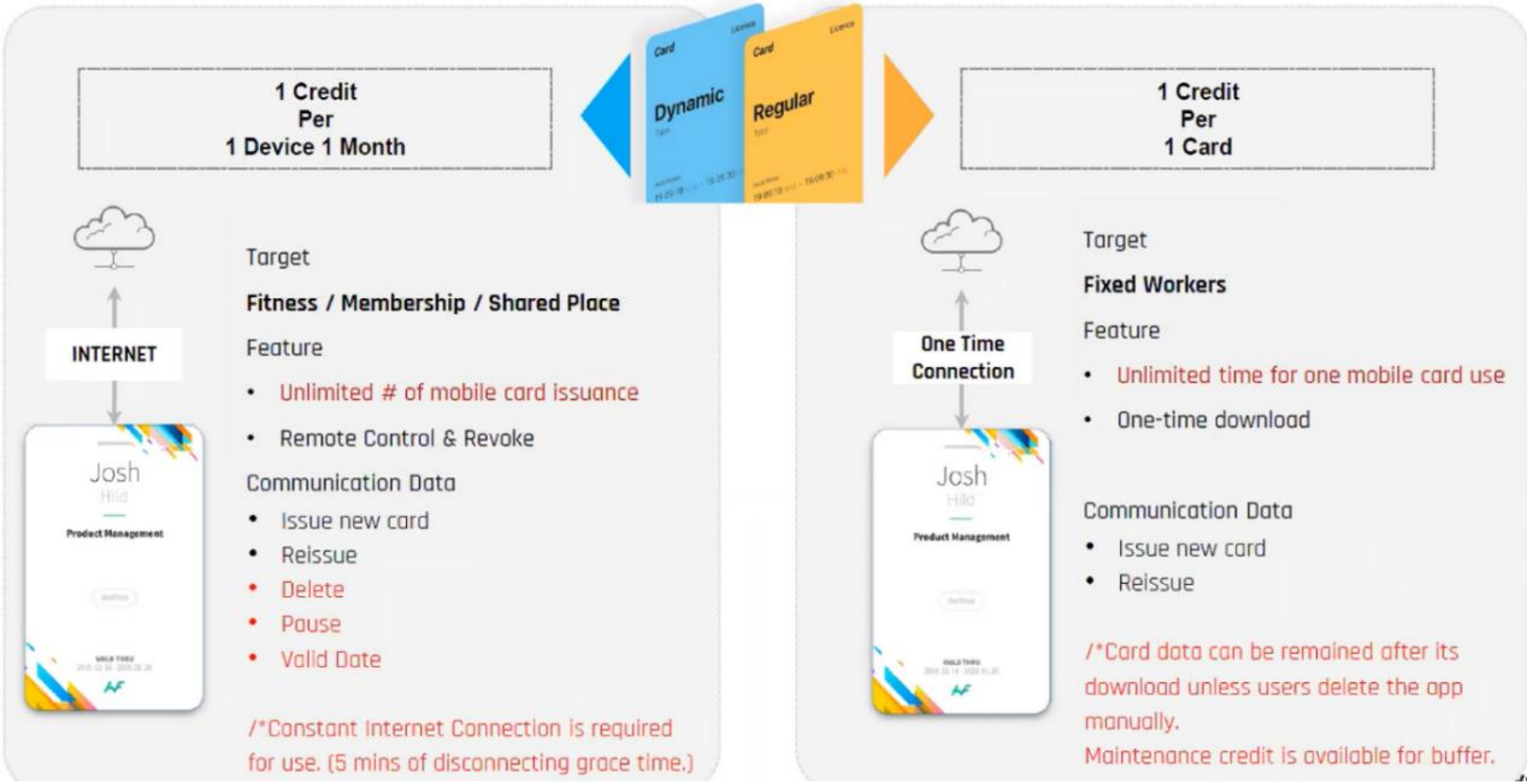
Card Type & License

- **Dynamic Card(Site) is supported in Airfob Portal**



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

(April, 2020)

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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.

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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*)

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Suprema Mobile Access Q&A

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.

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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.

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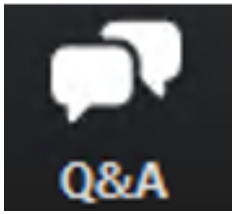
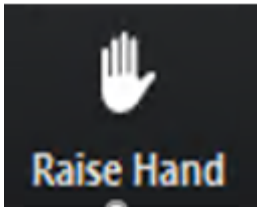
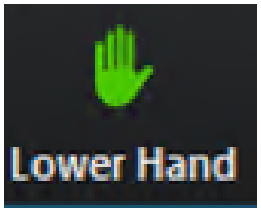
Question & Answer







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How to Use

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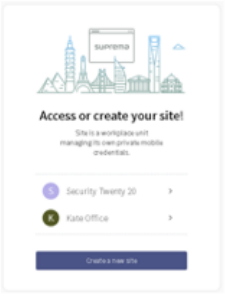
How to Use – in BioStar 2.7.12

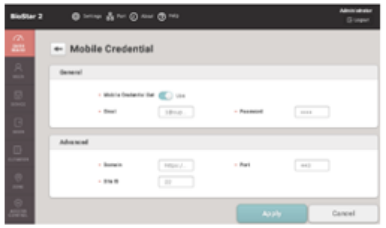
Overall Procedure

1. Join Airfob Portal



2. Register a device on Airfob Pass App

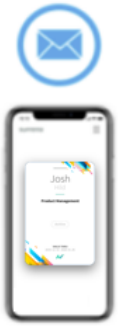
3. Configure Airfob Portal information to BioStar 2 Settings



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-

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How to Use – from BioStar 2.7.14

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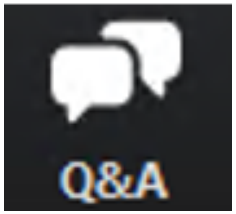
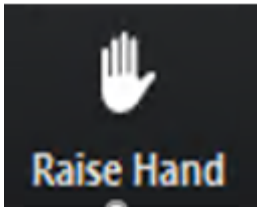
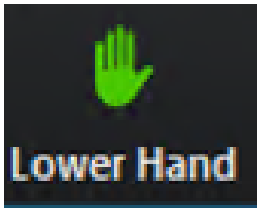
Question & Answer







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THANK YOU!

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