

## **BioStar 2 New Features** Version 2.9.0

#### Speaker

Phit Ahn Technical Consulting Engineer | Suprema





## How to find Webinar Contents?

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- Suprema Team will provide the presentation and the recorded video link to the registered emails.
- $\checkmark$  It will take about 7 days after reviewing the files with Q&A list.

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- $\checkmark~$  We will post the recorded video to the site.
- ✓ <a href="https://www.supremainc.com/connect/index.asp">https://www.supremainc.com/connect/index.asp</a>
- ✓ Please google Suprema Connect.

# Image: Second Second

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[Q&A] box



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 Suprema Panels will answer in real-time.

How to find the necessary icons

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- 02 | Visual Face
- 03 | Mobile Face Enrollment
- 04 | Improved Logs & Message
- 05 | Fingerprint LFD

01

## **Support BioStation 3**

**BioStar 2 Version 2.9.0** 





## Supports Intercom with SIP(Session Initiation Protocol) based on VoIP (Voice over Internet Protocol) Server

| BioStar            | 2 @ Settings ♣ Port (             | About ? | Help      |   |             |       |                               |                  |               | Administrator   |
|--------------------|-----------------------------------|---------|-----------|---|-------------|-------|-------------------------------|------------------|---------------|-----------------|
| Cash<br>Board<br>Q | SEARCH DEVICE     ADVANCED SEARCH | All D   | Devices   |   |             |       |                               | H 4 1/1          | ▶ N 50 rows ▼ | v Go            |
| USER               | All Devices                       |         | Device ID | Name                                    |             | Group | Device Type<br>(Master/Slave) | IP Address       | Device Status | Firmware Status |
| DEVICE             | BioEntry W2 544207116 (19         |         | 541151629 | BioEntry P2 541151629                   | All Devices |       | BioEntry P2                   | S                | Normal        | _               |
|                    | OM-120 788930601                  |         | 544207116 | BioEntry W2 544207116 (192.168.14.234)  | All Devices |       | BioEntry W2                   | M 192.168.14.234 | Normal        |                 |
| DOOR               | BioStation 3 547838617 (19.       |         | 547838617 | BioStation 3 547838617 (192.168.14.238) | All Devices |       | BioStation 3                  | 192.168.14.238   | Normal        |                 |
| m                  | X-Station 2 547837391 (192        |         | 788930601 | OM-120 788930601                        | All Devices |       | OM-120                        | S                | Normal        | Old Version     |
| ELEVATOR           | BioEntry P2 541151629             |         | 547837391 | X-Station 2 547837391 (192.168.14.232)  | All Devices |       | X-Station 2                   | M 192.168.14.232 | Normal        |                 |
| 0                  | Waiting Device                    |         |           |   |             |       |                               |                  |               |                 |
| ZONE               | USB Device                        |         |           |   |             |       |                               |                  |               |                 |
|                    |                                   |         |           |   |             |       |                               |                  |               |                 |
|                    |                                   |         |           |   |             |       |                               |                  |               |                 |
|                    |                                   |         |           |   |             |       |                               |                  |               |                 |
|                    |                                   |         |           |   |             |       |                               |                  |               |                 |
|                    |                                   |         |           |   |             |       |                               |                  |               |                 |
|                    | _                                 |         | Bio       | Star 2 → De                             | vice        | → Bic | Statio                        | n 3              |               |                 |
|                    |                                   |         |           |   |             |       |                               |                  |               |                 |



#### **RTSP (Real Time Streaming Protocol)**

| Settings 👷 Port () About    | () Help                               |                            |                                   |   |   |
|-----------------------------|---------------------------------------|----------------------------|-----------------------------------|---|---|
| BioStation 3 54783          | 38617 (192.168.14.238)                | )                          |                                   |   |   |
| ormation                    |                                       |                            |                                   |   |   |
| • Name                      | BioStation 3 547838617 (192.168.14.23 | 8)                         | Group                             | All Devices   | v |
| Device ID                   | 547838617                             |                            | Device Type                       | BioStation 3  |   |
| Firmware Version            | 1.0.0 [2022/06/24 11:14:02]           | 1 Firmware Upgrade         | Product Name                      | BS3-DB  |   |
|                             |                                       |                            | Kernel Version                    | 1.0.0 [2022/06/24 11:10:26]                               |   |
| Hardware Version            | 1.0.0                                 |                            | Restore to defaul                 | t All Without Network                                     |   |
| <ul> <li>Locked</li> </ul>  | Unlock                                |                            | Time Zone                         | (UTC) W. Europe Standard Time, London, Lisbon, Casablanca | Ŧ |
|                             |                                       |                            | <ul> <li>Time Synchron</li> </ul> | ization with Server                                       |   |
| Daylight Saving Time System |                                       | BioStar 2 $\rightarrow$ De | evice → Bio                       | oStation 3  |   |
| Display Date                | 2022/08/03                            |                            | Get Time                          | BetTime   |   |
| Date Format                 | YYYY/MM/DD                            |                            | RTSP                              |   |   |
|                             |                                       | _                          |                                   |   |   |
| twork                       |                                       | Ena                        | able RISP                         |   |   |
| TCP/IP                      |                                       |                            |                                   |   |   |
| Use DHCP                    |                                       |                            |                                   |   |   |
| + IP Address                | 192.168.14.238                        |                            | Subnet Mask                       | 255.255.255.0   |   |
| Gateway                     | 192.168.14.1                          |                            | Device Port                       | 51211   |   |
| DNS Server Address          |                                       |                            |                                   |   |   |
|                             |                                       |                            |                                   |   |   |



#### How to partially update user information

#### Saved User Information • Fingerprint Credential • Face (FaceStation2, FaceLite) • Visual Face Template

- (FaceStationF2, BioStation3)
- Other updatable user
   information

#### Edited / Added

Edits / Add Information

- Edits Profile Photo
- Add Visual Face Template
- Edit Fingerprint

#### Synchronization

User Information + Edits / Add Information

- Edits Profile Photo
- Add Visual Face Template
- Edit Fingerprint
- Fingerprint Credential
- Face (FaceStation2, FaceLite)
- Visual Face Template (FaceStationF2,
  - BioStation3)
- Other updatable user information

## **BioStar 2 Version BELOW 2.9.0**



#### How to partially update user information





## **Visual Face**

**BioStar 2 Version 2.9.0** 





#### **Key Features from BioStar 2 Version 2.9.0 for Visual Face**

#### 1

Improved extraction of images used for Visual Face credentials

**2** Supports Visual Face Migration

3 Support Visual Face Import Enrolls Visual Face when file name of the image matches the User ID



#### **1** Improved extraction of images used for Visual Face credentials

| Algorithm                          | Equipped on                             | Detect Face     | Generate Warped<br>Image          | Extract Template |
|------------------------------------|---|-----------------|-----------------------------------|------------------|
| BioStar 2<br>Face Detect Algorithm | BioStar 2 v2.8.6 ~<br>BioStar 2 v2.8.17 | Y               | N<br>Image cut around the<br>face | Ν                |
| Old Algorithm                      | FSF2 v1.x.x                             | Y               | Y<br>(250x250px)                  | Y-Old            |
| New Algorithm<br>(for GPU)         | BioStar 2 v2.9.0,<br>FSF2 v2.x.x        | Y               | Y                                 | Y-New            |
| New Algorithm<br>(for NPU)         | BS3                                     | Both GPU & NPU) | (112x112px)                       | Y-New            |

#### Important Note

Old Algorithm Extract Template (Y-Old) is NOT Compatible with Both New Algorithm (Y-New)
 → So, instead of templates, only Warped Image will be used among BioStar 2, BioStation 3, and FaceStationF2



#### **2** Supports Visual Face Migration

- □ After Upgrading to BioStar 2 Version 2.9.0
  - Different algorithms & templates usage can cause visual face credentials not to work properly
  - Visual Face Migration allows users to see the results for visual face credentials compatibility ٠
- Users MUST MANUALLY RUN Visual Face Migration

#### How to use Visual Face Migration

- BioStar 2 → User
- 2. Click on the three-dotted icon (Ellipsis)
- 3. Click or

| י<br>ר <b>Visual Face Mig</b>          | ration                       |                                      | Visual Face Migration        | x                  |
|--|------------------------------|--------------------------------------|------------------------------|--------------------|
|  | Warning                      | ×                                    |                              |                    |
| rint                                   | Migrate users' visual faces  | to the improved version of visual    | 100%                         |                    |
| column Setting                         | face. Continue?              |                                      |                              |                    |
| SV Export                              | Migration will take approxim | nately 10 minutes for 5,000 visual   | Migration Result             |                    |
| SV Import                              | before finished.             | to other pages                       | Detail                       |                    |
| Genel Ease Import                      | If you are using FaceStation | F2 v1.x.x on BioStar 2 v2.9.0 or     | Total Visual Faces (Users)   | (number)((number)) |
| istal Face import                      | higher, it is highly recomme | nded to upgrade the firmware for the | Success (Users)              | (number)((number)) |
| )ata File Export                       | improved visual face perfor  | mance.                               | Failure (Users)              | (number)((number)) |
| Data File Import                       |                              |                                      |                              |                    |
| end Visual Face Mobile Enrollment Link | Cantiaus                     | Connect                              | Get Failure List as CSV file | Download           |
| isual Face Migration                   | Continue                     | Cancer                               | Delete Failed Faces          | Delete             |

4. Make a note of the Warning Message

#### 5. Migration Result



#### Case 1



#### **Frequently Asked Visual Face Credentials Cases**



Case 3: Using Visual Face Migration Option with Devices without the new visual face algorithm





The New Algorithm applied in Version 2.9.0

- Detect face
- Create Warped Image (112 X 112)
- Extract visual face template
- Warped Image (112 X 112) & Visual Face Template



#### **3 Supports Visual Face Import**

Enroll Visual Face when the file name of the image matches the User ID





## **Mobile Face Enrollment**

**BioStar 2 Version 2.9.0** 





#### What are the key factors for mobile face enrollment?

- BioStar 2 AC License (standard and above)
- Enable BioStar 2 Cloud Service
- Pre-set Email Setting



- 1. BioStar 2  $\rightarrow$  Settings  $\rightarrow$  Cloud Use
- 2. BioStar 2  $\rightarrow$  Settings  $\rightarrow$  Email Setting
- 3. Enable Visual Face Mobile Enrollment

#### 4. Add Email information

| BioStar 2         | 🕲 Bettinge 💑 Port 🕜 Aloos 🤭 Help   | BioStar 2  | 💮 Settings 🔒 Port | () About (?) Help            |                                     |              |                   |
|-------------------|--|--|-------------------|------------------------------|-------------------------------------|--------------|-------------------|
| DATH<br>BOARD     | - EMAIL SETTING  | (The second seco |                   |                              |                                     |              |                   |
|                   | Email Contents Setting - SMTP Setting SMTP setting   | DASH<br>BOARD  | - Administrate    | or                           |                                     |              |                   |
| BEVICE            | Test Mail Recipient Address G Send Email   | R<br>USER  | Information       |                              |                                     |              |                   |
| ELEVATOR          | Visual Face Mobile Enrollment  |  |                   | • Name                       | A                                   | • Email      | example@gmail.com |
| ©<br>zome         | Visual Tree Mobile Enviolment     Ore     Email Title in reported     Company Name is reported | DEVICE   | 0                 | Department                   |                                     | • Title      |                   |
| ACCESS<br>CONTROL | Company Name     Company Logo     Uplead Logo Image     Contact in regimed.                    | DOOR   | $\sim$            | • ID                         | ĺ                                   | Telephone    |                   |
| монтокже          | Contact     Footer     Footer  | ₽  | + Add Photo       | Group                        | All Users v                         | Status       | Active            |
| vieto             |  | ELEVATOR   |                   | Period                       | 2001/01/01 00:00 ~ 2030/12/31 23:59 |              |                   |
|                   | QR   | ZONE   |                   | Operator Level               | Administrator 👻                     | Access Group |                   |
| VENTOR            | • QR Declare   |  |                   | <ul> <li>Password</li> </ul> |                                     | • Goel IF    |                   |
|                   |  | CONTROL  |                   |                              |                                     |              |                   |



5. Check Mark on Users → Click [Send Visual Face Mobile Enrollment Link]

| BioStar        | 2 (9)       | Settings 💁 Port 🤇 | About (2) | Help  |                        |            |           |              |       |           | Administratio                          | er<br>E |
|----------------|-------------|-------------------|-----------|-------|------------------------|------------|-----------|--------------|-------|-----------|--|---------|
| CANHE<br>BOARD | <u>م</u>    | 10 USER           | All L     | Jsers |                        |            |           |              | 4 1/1 | <b>FR</b> | 0 rows +                               | ••      |
| 8              | User        | Status            |           |       |                        |            |           |              |       | Transfer  | To Device 🛛 🗑 Delete User 🗌            |         |
|                | 🚊 All Users | ۲                 |           | ID    | Name                   | Email      | üroup     | Access Group | ۲     | •         | Point<br>Column Setting                |         |
| DEVICE         |             |                   |           | 1     | Administrator          | @gmail.com | All Users | TEst         | 0     | 0         | CSV Export                             |         |
| 1              |             |                   |           | 2     | Information Test       |            | All Users | TEst         | 1     | 0         | CSV Import                             |         |
| 0000           |             |                   |           | 3     | Mobile Face Enrollment | @naver.com | All Users | TEst         | 0     | 0         | Visual Face Import                     | -1      |
| m              |             |                   |           | Face1 | Face1                  |            | All Users | TEst         | 0     | 0         | Data File Import                       |         |
| LEVATOR        |             |                   |           | Face2 | Face2                  | ÷          | All Users | TEst         | 0     | 0         | Send Visual Face Mobile Enrollment Lin | nk.     |
| 0              |             |                   |           | Face3 | Face3                  |            | All Users | TEst         | 0     | 0         | Visual Face Migration                  |         |
| ZONE           |             |                   |           | Face4 | Face4                  | έ.         | All Users | TEst         | 0     | 0         | 1 0 -                                  |         |
| ACCESS         |             |                   |           | Face5 | Face5                  | - K        | All Users | TEst         | 0     | 0         | 1 0 -                                  |         |

6. Use your mobile phone to open the visual face mobile enrollment link Email



7. Open the received Email, Click on Visual Face Register → use your mobile cell phone camera to add visual face

Follow the guide shown on the screen to register your face photo Supported image file formats are JPG, JPEG, and PNG The supported image file size is a minimum of 250 x 250, and a maximum of 10MB

Visual Face Enrollment link sent will expire after 24 hours. Once used, link can not be re-used





8. Check Result







## Improved logs & Messages

**BioStar 2 Version 2.9.0** 



#### Improved Door Open Logs

- Door open requested by exit button
- Door open requested by the operator
- Door open requested by exit button (Relay does not activate)

#### □ Affected Products & Versions

- BioStation 3 Version 1.0.0 and above
- FaceStation F2 Version 2.1.0 and above
- BioLite N2 Version 1.5.0 and above

| BioStar 2     | 🔞 Settings 💆 Port 🕧 About | () Help           |                                       |         |     |        |  |           |          |     |   | Adminis<br>C Lo |
|---------------|---------------------------|-------------------|---------------------------------------|---------|-----|--------|--|-----------|----------|-----|---|-----------------|
| DASH<br>BOARD |                           | Verify Failed     | Choose File                           | F       | ind |        |  |           |          |     |   |                 |
|               | Triager 8 Action          |                   |                                       | D       | ev  | vic    | € →                                    | Im        | ade      | Loa |   |                 |
| DEVICE        | Configuration             |                   | ТИ                                    | 93e.    | -   |        | -                                      |           | Action   |     |   | + Add           |
| DOOR          | Image Log                 |                   |                                       |         |     |        |  |           |          |     |   |                 |
| D             | Image Log                 | C Enabled         |                                       |         |     |        |  |           |          |     |   |                 |
| ELEVATOR      | Configuration             |                   | Event                                 |         |     |        |  |           | Schedule |     |   | + Add           |
| ©<br>ZDNE     |                           | 1:N authenticatio | n succeeded (Face + Fingerprint + I   | PIN)    | ~   | Always |  |           |          |     | ~ | ¥               |
| <b>((</b> )   |                           | 1:1 authenticatio | n failed                              |         | *   | Always |  |           |          |     | * |                 |
| ACCESS        |                           | door open         |                                       |         | ×   |        |  |           |          |     |   |                 |
| 2             | Wiegand                   | Door open reque   | st by Intercom door open button       |         |     |        |  |           |          |     |   |                 |
| MONITORING    | Input/Output              | Door open reque   | st by exit button                     |         |     |        | <ul> <li>Pulse Width(µs)</li> </ul>    | 40        |          |     |   |                 |
|               | Wiegand Input Formet      | Door open reque   | st by exit button (Relay does not act | tivate) |     |        | <ul> <li>Pulse Interval(µs)</li> </ul> | 10000     | <u>A</u> |     |   |                 |
| VIDEO         | Output Mode               | Door open reque   | st by operator                        |         |     |        | Output info                            | Card ID ( | User ID  |     |   |                 |



#### Improved Door Open Logs

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- BioLite N2 Version 1.5.0 and above

| BioStar 2  | 💮 Settings 🖶 Port 🕧 Abou   | ut 🕐 Help  |   |   |                                     |       |
|--|--|--|---|---|-------------------------------------|-------|
|  | • Sound  | Start Choose File<br>Verify Successful Choose File<br>Add Trigger & Action | Device  | → Tri                                     | igger &                             | Actio |
| DEVICE<br>DOOR<br>DOOR<br>ELEVATOR<br>ZONE<br>ZONE | Trigger & Action<br>• Configuration<br>Image Log<br>• Image Log<br>• Configuration | <ul> <li>Event</li> <li>Input</li> <li>Input(Event Name Change)</li> </ul> | Trigger         • Event List         door open         O       Door open request by exit button         O       Door open request by exit button (Relay does         O       Door open request by Intercom door open but         O       Door open request by operator         O       Door open door open to the tool open but | Output     Alert Sound     Disable Device | Action   Port  None  Signal Setting | •     |
|  | Wiegand<br>- Input/Output<br>- Wiegand Input F<br>- Output Mode                    |  | Forced door open alarmed     Forced door open cleared     Forced door opened     Held door open alarmed   |   |                                     |       |
| VISITOR  | Secure Tamper  |  | Apply   | Cancel                                    |                                     |       |



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- BioLite N2 Version 1.5.0 and above

| BioStar 2     | 2 🛞 Settings 🔓 Port 🕧      | ) About 🕜 Help      |               |                             |                     |                |        |                                  |          | Administrator |
|---------------|----------------------------|---------------------|---------------|-----------------------------|---------------------|----------------|--------|----------------------------------|----------|---------------|
| DASH<br>BOARD | List View Graphic Map View | ⊙ Real-time Log     |               |                             |                     |                |        |                                  |          |               |
| 8             | Event Log                  | Y Save Filter       |               |                             |                     |                |        |                                  | II Pause | Clear ····    |
| USER          | € Real-time Log            | Date                | Door <b>Y</b> | Elevator <b>Y</b> Device ID | ▼ Device ▼          | User           | ▼ Zone | T                                | Event    | ▼ View        |
|               | Live Video View            | 2022/11/06 15:45:49 | Door Log Test | 543614244                   | FaceStation F2 54   |                |        | Door lock request by operator    |          |               |
|               | Device Status              | 2022/11/06 15:45:49 | Door Log Test | 543614244                   | FaceStation F2 54   |                |        | Door locked                      |          |               |
| DOOR          | Door Status                | 2022/11/06 15:45:49 | Door Log Test | 543614244                   | FaceStation F2 54   |                |        | Door release request by operator |          |               |
| Пŀ            | Floor Status               | 2022/11/06 15:45:47 | Door Log Test | 543614244                   | FaceStation F2 54   |                |        | Door unlocked                    |          |               |
| ELEVATOR      | 🧿 Zone Status              | 2022/11/06 15:45:47 | Door Log Test | 543614244                   | FaceStation F2 54   |                |        | Door unlock request by operator  |          |               |
| 0             | 💓 Alert History            | 2022/11/06 15:45:33 |               | 543614244                   | FaceStation F2 54 1 | Administrator) |        | 1:N authentication succeeded (Fa | ce)      |               |
| ZONE          | 🕄 Thermal Report           |                     |               | nito                        | rind                | J De           |        | ime la                           |          |               |
|               |                            |                     |               |                             | IIIY                | 7 86           | GI-L   |                                  | 9        |               |
|               |                            |                     |               |                             |                     |                |        |                                  |          |               |



#### Improved Door Open Logs

- Door open requested by exit button
- Door open requested by the operator
- Door open requested by exit button (Relay does not activate)

#### □ Affected Products & Versions

- BioStation 3 Version 1.0.0 and above
- FaceStation F2 Version 2.1.0 and above
- BioLite N2 Version 1.5.0 and above

| BioStar 2     | 💮 Settings 🔒 Port 🕧        | About 🥐 Help          |                             |                            |                                   |                |                  |           |                                     | G   | E Logout |
|---------------|----------------------------|-----------------------|-----------------------------|----------------------------|-----------------------------------|----------------|------------------|-----------|-------------------------------------|-----|----------|
| DASH<br>BOARD | List View Graphic Map View | ≔ Event Log           |                             |                            |                                   |                |                  |           |                                     | ۲ ۲ | 0 rows 🔻 |
|               | 🗮 Event Log                | ▼ Save Filter • Perio | d 1 Day(s) (2022/11/06 00:0 | 00 ~ 2022/11/06 23:59) 🔻 🕨 | Celsius/Fahrenheit     Celsius (  | °C)            |                  |           |                                     |     |          |
|               | 🜔 Real-time Log            | Date                  | Door <b>T</b>               | Device ID                  | T Device T                        | User Group 🛛 🕇 |                  | ▼ Tempera |                                     |     |          |
|               | Live Video View            | 2022/11/06 15:45:49   | Door Log Test               | 543614244                  | FaceStation F2 543614244 (192.168 |                |                  |           | Door locked                         |     |          |
| 6             | Device Status              | 2022/11/06 15:45:49   | Door Log Test               | 543614244                  | FaceStation F2 543614244 (192.168 |                |                  |           | Door lock request by operator       |     |          |
| DOOR          | Door Status                | 2022/11/06 15:45:49   | Door Log Test               | 543614244                  | FaceStation F2 543614244 (192.168 |                |                  |           | Door release request by operator    |     |          |
| T.            | Floor Status               | 2022/11/06 15:45:47   | Door Log Test               | 543614244                  | FaceStation F2 543614244 (192.168 |                |                  |           | Door unlocked                       |     |          |
| LEVATOR       | 🧿 Zone Status              | 2022/11/06 15:45:47   | Door Log Test               | 543614244                  | FaceStation F2 543614244 (192.168 |                |                  |           | Door unlock request by operator     |     |          |
| $\odot$       | 💓 Alert History            | 2022/11/06 15:45:33   |                             | 543614244                  | FaceStation F2 543614244 (192.168 | All Users      | 1(Administrator) |           | 1:N authentication succeeded (Face) |     |          |
| ZONE          | 🗓 Thermal Report           | 2022/11/06 15:45:25   | Door Log Test               | 543614244                  | FaceStation F2 543614244 (192.168 |                |                  |           | Door unlocked                       |     |          |
| $\oplus$      |                            | 2022/11/06 15:45:25   | Door Log Test               | 543614244                  | FaceStation F2 543614244 (192.168 |                |                  |           | Door unlock request by schedule     |     |          |
| CONTROL       |                            | 2022/11/06 15:45:25   |                             | 543614244                  | FaceStation F2 543614244 (192.168 |                |                  |           | Scheduled unlock zone started (Door | )   |          |
| ∽             |                            | 2022/11/06 15:45:25   | Door Log Test               | 543614244                  | FaceStation F2 543614244 (192.168 |                |                  |           | Door unlocked                       |     |          |
| ONITORING     |                            | 2022/11/06 15:45:25   |                             | 543614244                  | FaceStation F2 543614244 (192.168 | All Users      | 1(Administrator) |           | 1:N authentication succeeded (Face) |     |          |

## Monitoring → Event Log





#### □ Added logs to indicated full capacity on devices

- Affected on all firmware
- Newly added error code from the device will be sent to BioStar 2 event log
   \*Only FOUND on BioStar 2
- Allows the user to know the exact reason for the cause of device synchronization failure
  - > Newly Added Syn Error Indications
    - Sync Error (Exceeded max user count)
    - Sync Error (Exceeded max fingerprint count)
    - Sync Error (Exceeded max card count)
    - Sync Error (Exceeded max face count)



#### □ Improved error messages showing reasons for CSV import failure

| CSV Import   | ×                                | CSV Import  | ×      |
|--|----------------------------------|---|--------|
| <ul> <li>File Import</li> <li>Start import at row</li> </ul> | C:\fakepath\User_202012 Browse 2 | File Import     /Facial Template Case.csv     Start import at row     2 | Browse |
| N  | Close                            | Next Close  |        |



## 05

## **Software-based Live Finger Detection**

**BioStar 2 Version 2.9.0** 



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#### □ Software-based Live Finger Detection mechanism

- Must Use BioStar 2 Version 2.9.0 or above
- Currently Supported

| Device Model             | Firmware Version       |
|--------------------------|------------------------|
| BioLite N2               | Version 1.5.0 or above |
| FaceStation F2 (ODB)     | Version 1.0.0 or above |
| X-Station 2 (ODPB, OAPB) | Version 1.1.0 or above |

#### suprema connect

#### □ How to configure Live Finger Detection mode in BioStar 2 Version 2.9.0



#### SUPrema con How to configure Live Finger Detection mode in Device Example: FSF2 ODB Model

Step 1. Press 🔀 and authenticate with the Admin-level credential Step 2. Go to Menu → Authentication-> Fingerprint Step 3. The default setting for Liver Finger Detection → Not Used Step 4. Click on [Live Finger Detection]

| ÷                 | Fingerprint    |
|-------------------|----------------|
| Fingerprint       |                |
| Security Level    | Normal         |
| Matching Timeo    | ut 5 Sec       |
| View Image        |                |
| Sensor Sensitivit | y 7            |
| 1:N Fast Mode     | Auto           |
| Template Format   | t Suprema      |
| Sensor Mode       | Auto On        |
| Live Finger Detec | ction Not Used |
| <1                |                |



ect



## **Q&A**



## Thank you.