

## Suprema Integration with Paxton Net2

**Created:** 01/06/2020

**Applies to:** Suprema Software, Paxton

Suprema Integration with Paxton Net2 allows clients to add Suprema's face recognition and fingerprint devices to the Paxton Net2 Access Control System, expanding the range of credentials from RFID cards and PINs to include biometrics. The Integration lets Net2 clients utilize Suprema devices' full functionality and register and manage users easily.

Suprema Integration with Paxton Net2 is a middleware that allows the Paxton Net2 Access Control System to communicate with the Suprema biometric devices, which can register a variety of credentials to users from the Net2, and to manage connected devices. With Suprema Integration with Paxton Net2, you can easily setup and build the Biometric Management System for the Net2 using Suprema biometric devices.

**NOTE** • For more details on the functionality of Paxton Net2 access control system, see the user manuals for Net2.

The diagram illustrates the PAXTON NET2 integration architecture, showing the flow of data and control between the Suprema Device, Door Controller, and integration software.

**Suprema Device:** A biometric scanner device. It communicates with the Door Controller via Wiegand lines (W\_Data\_0, W\_Data\_1, W\_Data\_GND) and receives feedback (Access Granted, Access Denied) via a feedback line.

**Door Controller:** A yellow circuit board labeled "Net2 plus 2345612". It receives data from the Suprema Device and controls the door lock/relay. It also interfaces with an Exit Button, Door Sensor, and Lock / Relay.

**Integration Software:** The system is managed by Suprema Integration Software (represented by a computer icon) and PAXTON NET2 (represented by a server and monitor icon). The software communicates with the Door Controller via TCP/IP.

**Data Flow:**

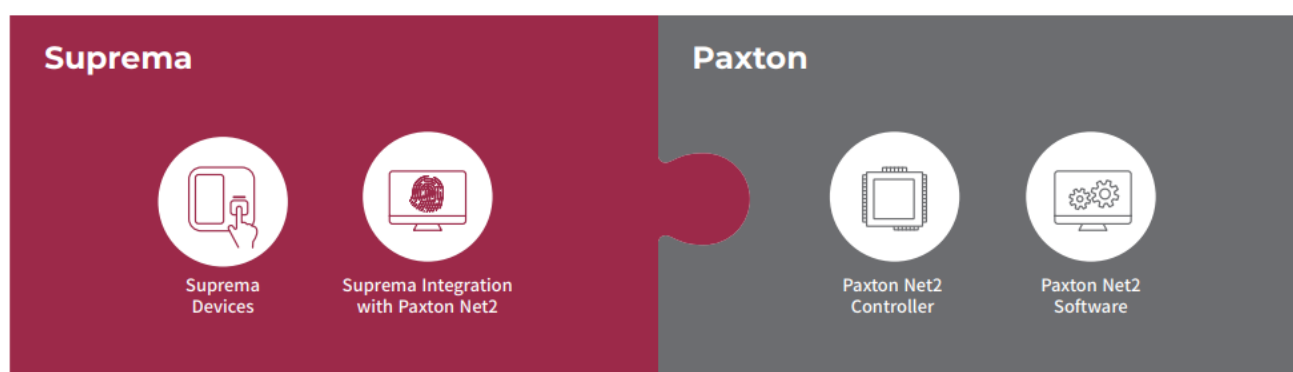
- Wiegand:** Data flows from the Suprema Device to the Door Controller via W\_Data\_0, W\_Data\_1, and W\_Data\_GND.
- Feedback:** The Door Controller sends feedback (Access Granted, Access Denied) to the Suprema Device via a feedback line.
- TCP/IP:** The Door Controller communicates with the integration software (Suprema Integration Software and PAXTON NET2) via TCP/IP.
- User Data Sync:** A "One Way User Data Sync" arrow points from the PAXTON NET2 side to the Suprema Integration Software side, indicating that user data is synchronized from the PAXTON NET2 side to the Suprema side.

## Contents



|     |   |                           |
|-----|---|---------------------------|
| 1.  | <a href="#">Prerequisites.....</a>  | <a href="#">[Page 3]</a>  |
| 2.  | <a href="#">Installation of Paxton Net2.....</a>                          | <a href="#">[Page 5]</a>  |
| 3.  | <a href="#">Configuring Net2 Configuration Utility .....</a>              | <a href="#">[Page 6]</a>  |
| 4.  | <a href="#">Installation of Suprema Integration with Paxton Net2.....</a> | <a href="#">[Page 8]</a>  |
| 5.  | <a href="#">Setting up Net2 Access Control.....</a>                       | <a href="#">[Page 13]</a> |
| 6.  | <a href="#">Add User to Paxton.....</a>                                   | <a href="#">[Page 15]</a> |
| 7.  | <a href="#">Adding A Suprema Device.....</a>                              | <a href="#">[Page 21]</a> |
| 8.  | <a href="#">Synchronization.....</a>                                      | <a href="#">[Page 25]</a> |
| 9.  | <a href="#">Finger Enrolment.....</a>                                     | <a href="#">[Page 27]</a> |
| 10. | <a href="#">Face Template Enrolment.....</a>                              | <a href="#">[Page 29]</a> |
| 11. | <a href="#">Event Log.....</a>  | <a href="#">[Page 34]</a> |
| 12. | <a href="#">Video Guide.....</a>  | <a href="#">[Page 31]</a> |

**To implement this integration, you need :**



# 1. PREREQUISITES

## 1. Paxton Net2 Software Type: Net2 Lite or Net2 Pro

- I. There are **two** versions of the software: **Net2 Lite**, which is ideal for most sites and is free of charge, and **Net2 Pro**, which offers extra features for more flexible and advanced access control.
- II. Please Contact **Paxton** to obtain the License for the Full Professional Software.

## 2. Paxton: Net2 software – Compatibility & Support: **V6.01.8319.4827**

- I. Net2 software is compatible with the following Microsoft operating systems:

| OS Version                               | Supported                              | Recommended version of Net2 |
|--|--|-----------------------------|
| Windows XP                               | support up to specific version of Net2 | Net2 v4.28                  |
| Windows 7                                | ✓                                      | Net2 v6+                    |
| Windows 8                                | support up to specific version of Net2 | 5.04.6918                   |
| Windows 8.1                              | ✓                                      | Net2 v6+                    |
| Windows 10                               | ✓                                      | Net2 v6+                    |
| Windows Server 2003                      | support up to specific version of Net2 | Net2 v4.28                  |
| Windows Server 2008                      | support up to specific version of Net2 | Net2 v4.28                  |
| Windows Server 2008 R2 SP1               | support up to specific version of Net2 | Net2 v5.04.6918             |
| Windows Server 2008 (Domain Controller)  | support up to specific version of Net2 | Net2 v4.27.7614             |
| Windows Server 2012 R2                   | ✓                                      | Net2 v6+                    |
| Windows Server 2012 R2 Domain Controller | no support                             | n/a                         |
| Windows Server 2016                      | ✓                                      | Net2 v6+                    |
| Windows Server 2016 Domain Controller    | no support                             | n/a                         |
| Windows Server 2019                      | ✓                                      | Net2 v6+                    |
| Windows Server 2019 Domain Controller    | no support                             | n/a                         |

\* Requires Windows Server 2008 R2 and Service Pack 1

## 3. Paxton Net2: Compatibility - Hardware

|   |  |
|---|--|
| <p><b>A PC of the following specification is required to run Net2 software:</b></p> <p>Intel® Core™ i3 (or equivalent)<br/>4GB RAM or greater<br/>Minimum 20GB free disk space<br/>Minimum Resolution of 1024 x 768<br/>Maximum Resolution of 1920 x 1080<br/>USB2 and Ethernet</p> | <p><b>For optimal performance we recommend the following PC specification:</b></p> <p>Intel® Core™ i5 (or equivalent)<br/>8GB RAM or greater<br/>Minimum 40GB free disk space<br/>Minimum Resolution of 1024 x 768<br/>Maximum Resolution of 1920 x 1080<br/>USB2 and Ethernet</p> |
|---|--|

#### 4. Suprema Integration with Paxton Net2: Compatibility & Software:

- I. System Environment **Suprema Integration with Paxton Net2** operates normally in the same system environment as **Paxton Net2**.
- II. Check the support conditions before installing the **Suprema Integration with Paxton Net2**.
- III. **System Environment: Compatible Systems and Devices:**

| Operating System   | Suprema Biometric Device  | USB Fingerprint Scanner   |
|--|---|---|
| <ul style="list-style-type: none"> <li>Microsoft Windows 8 or later</li> </ul> | <ul style="list-style-type: none"> <li>FaceStation 2</li> <li>FaceLite</li> <li>BioStation 2</li> <li>BioStation A2</li> <li>BioStation L2</li> <li>BioLite N2</li> <li>BioEntry W2</li> <li>BioEntry P2</li> </ul> | <ul style="list-style-type: none"> <li>BioMini</li> <li>BioMini Plus</li> <li>BioMini Plus 2</li> </ul> |

#### IV. **Features:** Suprema Integration with Paxton Net2 provides the following features:

- **Enable Biometrics:** Not only the RFID cards and PINs but also fingerprints and face as credentials.
- **Easy User Management:** No need to register or manage users separately because user data on Net2 Access Control system is synchronized in real time.
- **Easy Enrollment and Management:** Allows to register the user's credentials directly from the device.
- **Enterprise-level Configuration:** Allows to connect and manage up to 1,000 Biometric Devices.

#### V. **License:**

**License Type:** Online or Request **Offline** License.

**License Expire:** The license is **system based** not by device number. Once it is activated, then there will be no limits at all. The integration software will have a **30-day trial period**. Also, the software will clearly state it is under trial,

**Request for Full License: Online or Offline** - Contact your local Distributor for Full Standard License.

⬅

LICENSE

User Name

Activation Key

ACTIVATE

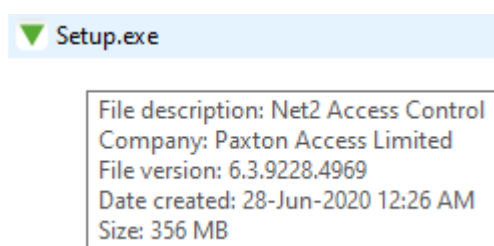
Offline Activation

REQUEST OFFLINE KEY

ACTIVATE

## 2. INSTALLATION OF PAXTON NET2

## Step 1: Install Paxton Net2



➤ **Compatible Versions:**

**Recommended: NET2 v6.01.8319.4827**

➤ **Tested With:**

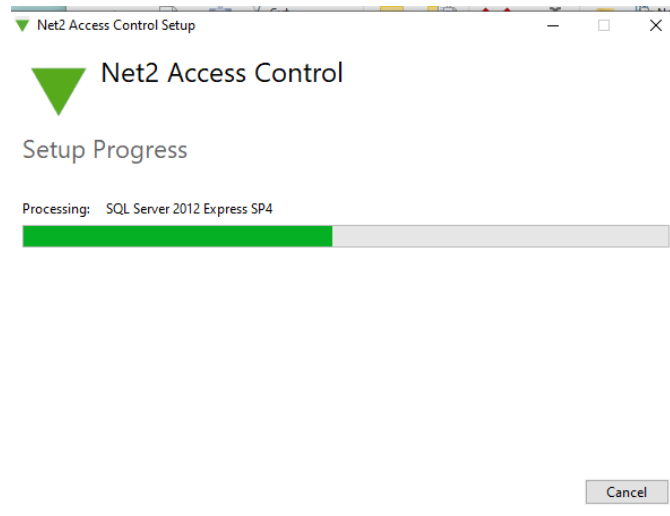
|  |  |
|--|--|
| <p><b>NET2 v6.03.9228</b></p> <p><b>Installed with the same SDK version.</b></p> | <p><b>Net2 v6.04.9502</b></p> <p><b>Latest Build</b></p> |
|--|--|

➤ **Latest Paxton Net2 Build:**

<http://paxton.info/1438>

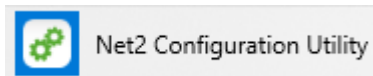
## Step 2: Complete the Paxton Setup Wizard.

### Step 3: Select Net2 Pro & Check the License agreement. Then Press next

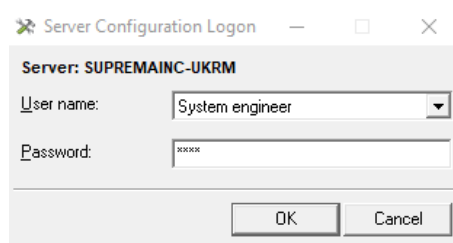


### 3. CONFIGURING NET2 CONFIGURATION UTILITY

#### 1. Select Icon



#### 2. Configuring Net2 Configuration



#### Login to Paxton Net2 Configuration Utility

##### Step 1: Select the Wiegand Tab

Net2 Server Configuration Utility

General Database **Wiegand** TCP/IP Nodes Net2Air Bridges HTML Reports Email SMS Features Diagnostics Printer Options

☒ Wiegand Configuration

Number of bits: 26

Rule 1:   
Rule 2:   
Rule 3:   
Rule 4:   
Rule 5:

You can configure a custom Wiegand format, of up to 50 bits, by specifying up to 5 rules. The following would be an example of 26 bit, with a site code of 45 (0x2D)  
 Rule 1 = X00101101AAAAAAAAAAAAAAAAAX  
 Rule 2 = EDDDDDDDDDDDDDDDDDDDDDDDDDD  
 Rule 3 = XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
 X-Don't care  
 0-Must be zero  
 1-Must be one  
 A-Token number  
 D-Data to be used for calculating parity check for rule.  
 E-Even parity of 'D' bits  
 O-Odd parity of 'D' bits  
 Rule 1 specifies that bits 2-9 should be 00101101, which is the site code check. It also specifies that bits 10-25 are the token number.  
 Rule 2 specifies that bit 1 is the Even parity of bits 2-13  
 Rule 3 specifies that bit 26 is the odd parity of bits 14-25

Desktop reader operating mode (EM4100 only): Wiegand

OK Cancel Apply

**Step 2: Select Wiegand Configuration Radio**

**Step 3: Enter Number of Bits: 26**

**Step 4: Select the Desktop Reader Operating Mode Drop-Down Menu: Wiegand**

**Step 5: Activate the Paxton Net2 OEM Client**

**Activate the Paxton Net2 OEM Client In order to use Suprema Integration with Paxton Net2, you must first activate the OEM Client on Paxton Net2.**

**Step 5A) Run Net2 Access Control**

Net2 Logon

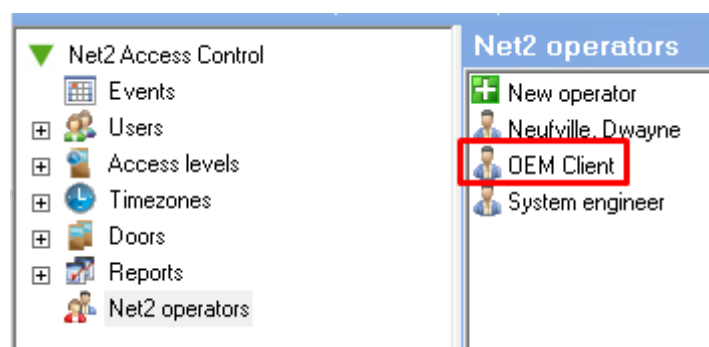
Log onto Supremauk-pc5

User name: System engineer

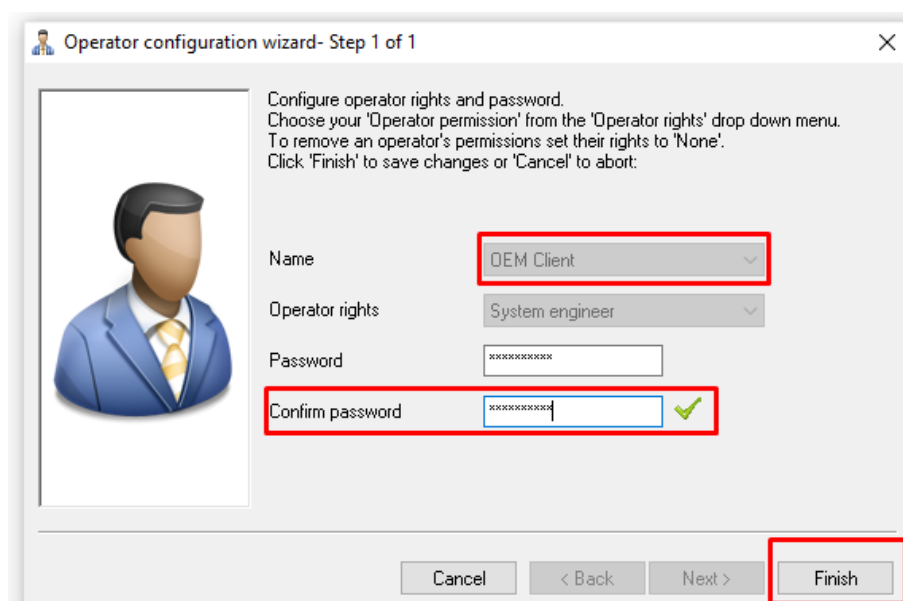
Password: XXXXXXXX

Reset Password OK Cancel

**Step 5B) Click on Net2 operators & Double Click OEM Client**



**Step 5C) Enter your Password of choice and Confirm the password field.**



**Step 6: Click Finished to Activate the OEM Client.**

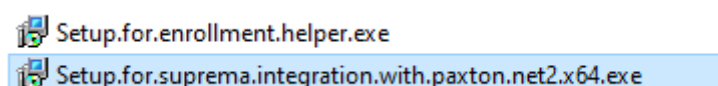
## **4. INSTALLATION OF SUPREMA INTEGRATION WITH PAXTON NET2:**

**NOTE** • This section describes how to install the Suprema Integration with Paxton Net2.

For more details on the installation of the Paxton Net2 System, see the manuals for the Net2.

### **Step 1: Select Icon**

(ex. 'Setup.for.suprema.integration.with.paxton.net2.x64.x.xxx')

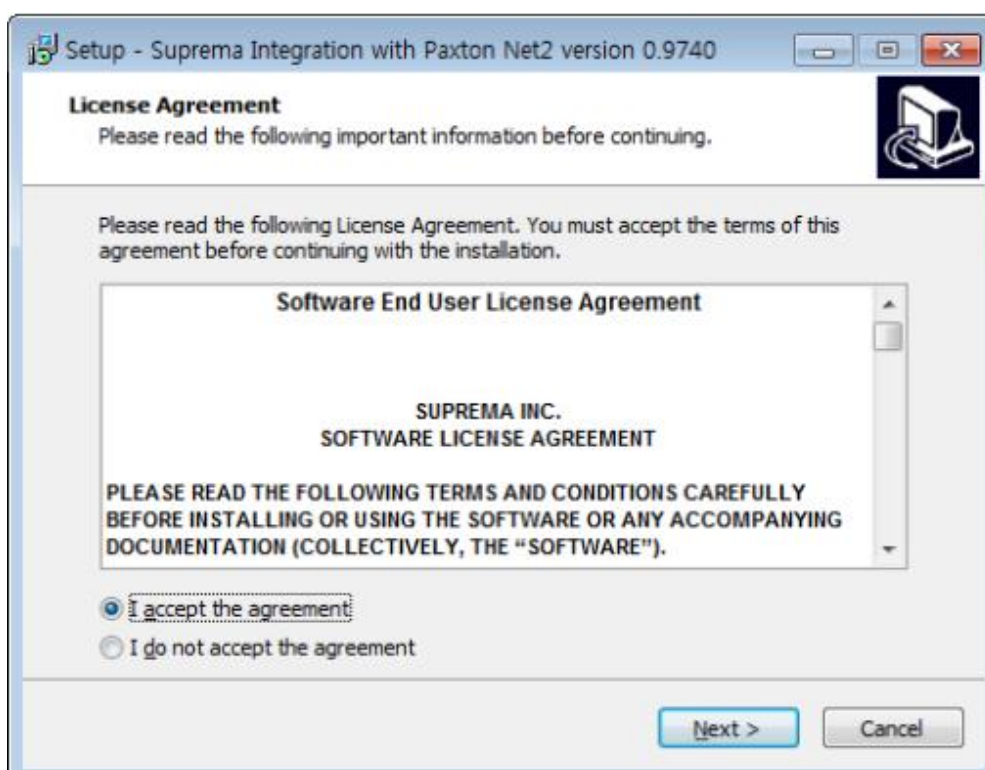


**Step 2: Run through the installation setup.**

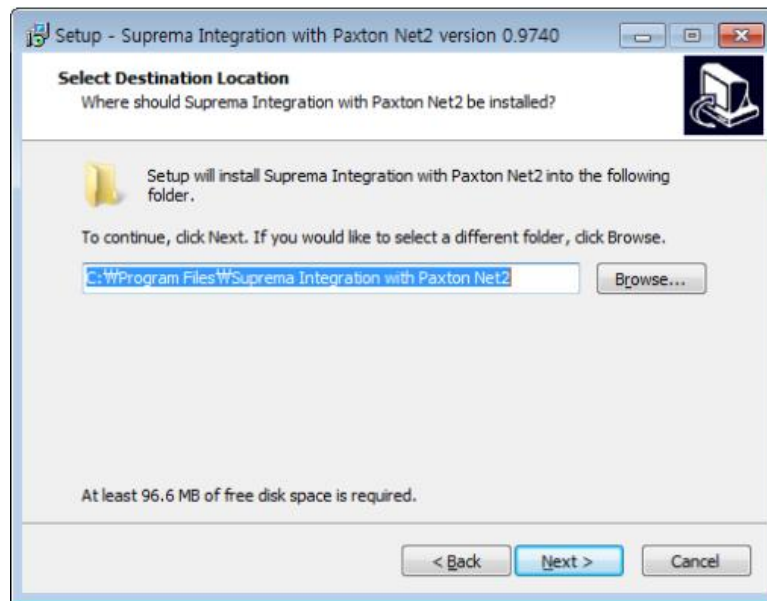


**Step 2A) Select a language & Click OK.**

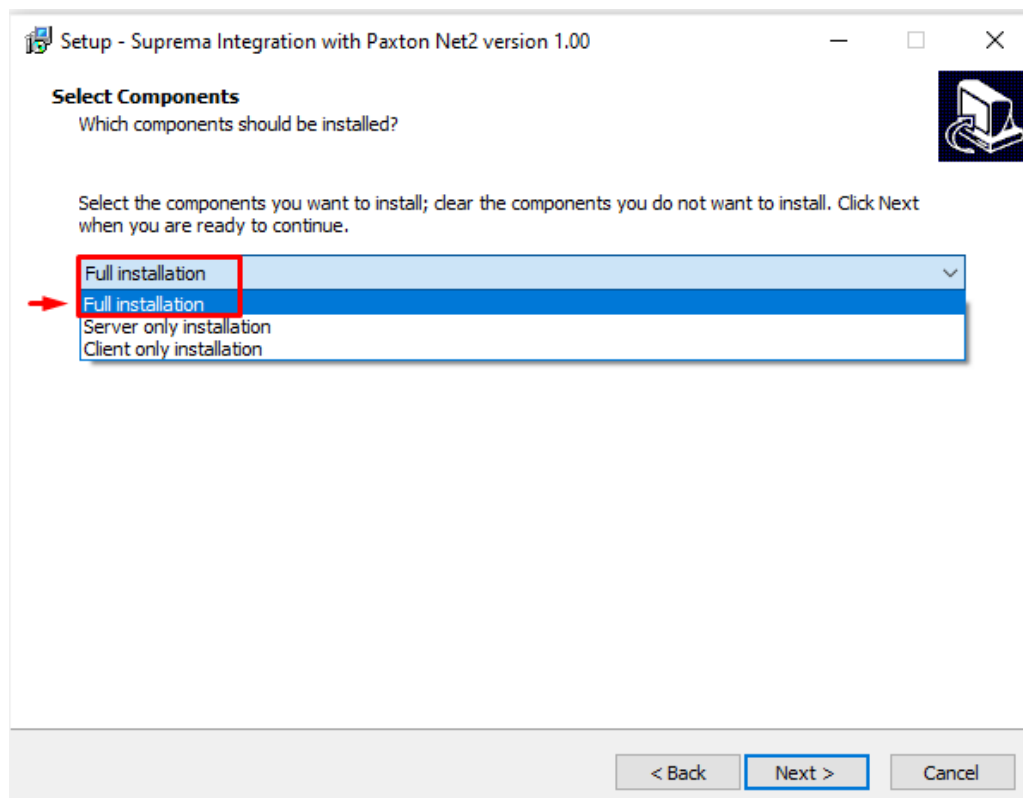
**Step 3: To continue the Installation, Select I accept the agreement & click Next.**



**Step 4: Click Next after setting a path for Suprema Integration with Paxton Net2 to be installed.**



**Step 4A: Click “Full Installation” in the Drop-Down Menu with “Server Only Installation” & “Client Installation”**



**Step 5: Enter the password for OEM Client account and click Next.**

Setup - Suprema Integration with Paxton Net2 version 0.9740

**Admin User**  
Enter the password to log onto Net2.

Username : OEM Client

Password :

Confirm password :

The OEM Client account will be used for communication between this software and Paxt Net2. Please refer to the manual to activate the OEM Client account from Net 2.

< Back Next > Cancel

**Step 6: Enter the Suprema Device “Admin ID & PIN” and then Click Next.**

**The ID & PIN set in this step will be used when you log into Suprema Integration with Paxton Net2 or to access the devices.**

Setup - Suprema Integration with Paxton Net2 version 0.9740

**Suprema Device Admin**  
Please input Suprema device admin ID and PIN.

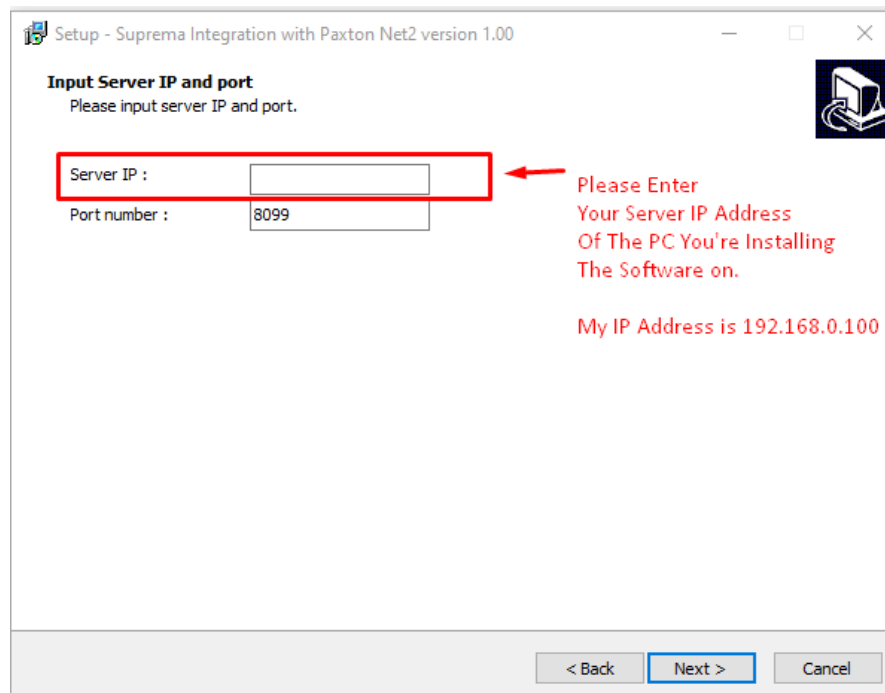
ID : deviceadmin

PIN :

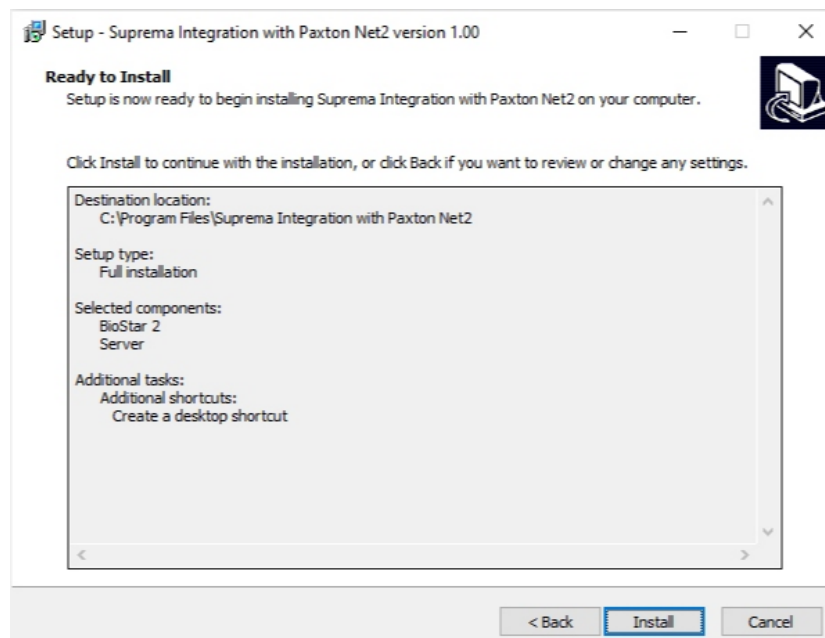
This PIN will be used to enter the menu of the devices that has LCD screens. The PIN needs to be a 4 to 16 digit number.

< Back Next > Cancel

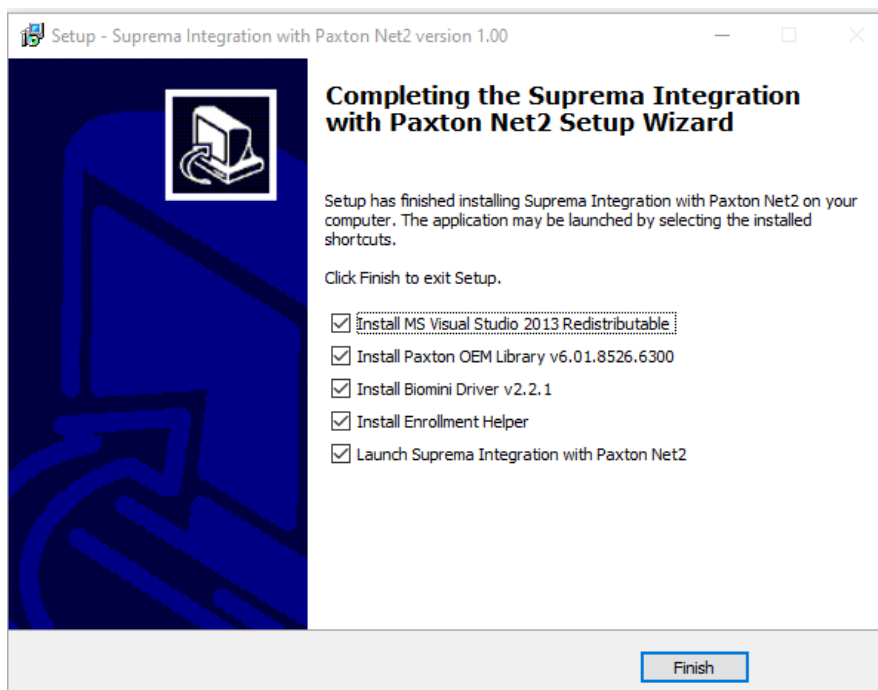
**Step 7: Input the “Server IP” address from the PC/Server you are installing on.**



**Step 8: Select whether to install additional programs & Click Finish.**

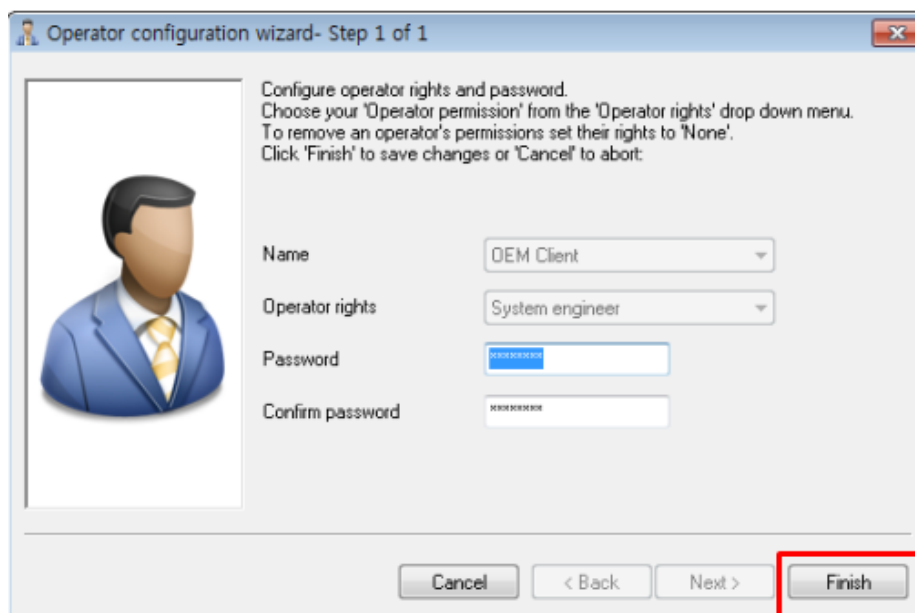


**\*NOTE\* Please check "Install Enrolment Helper" If you want to Add Biometric from the Paxton Add New User Screen.**



**Step 9: Activate the Paxton Net2 OEM Client** In order to use Suprema Integration with Paxton Net2, you must first activate the OEM Client on Paxton Net2.

**NOTE** • For more details on the Net2 Access Control system, see the manuals for the Net2.



## 5. SETTING UP NET2 ACCESS CONTROL

Setting Up Net2 Access Control

## Step 1: Select Door Tab from the Net2 Access Control Menu List.

**Ensure Reader 1 has correct settings**

**Reader Type: Wiegand Reader**

**Keypad Type: None**

**Token Data Format: Wiegand Custom or 26 Bit Wiegand (Based on Net2 Configuration Utility)**

**Reader Operating Mode: Token Only**

The screenshot displays the 'SUPREMAINC-UKRM - Net2 Access Control' application window. The left sidebar shows a tree view with 'Net2 Access Control' expanded, containing 'Events', 'Users', 'Access levels', 'Timezones', 'Doors', 'ACU:3426042', 'Reports', and 'Net2 operators'. The main area is titled 'ACU:3426042' and contains configuration fields for the door and reader. The 'Reader details' section is highlighted with a red box, showing the following settings:

- Name: ACU:3426042 (In)
- Reader type: Wiegand reader
- Keypad type: None
- Token data format: Wiegand custom

Below the 'Reader details' section, the 'Operating mode' section is visible, with 'Reader operating mode' set to 'Token only' (highlighted with a red box). Other settings include 'Door name', 'Door group', 'Door open time', 'Unlock the door during', 'Unlock relay 2 during', 'Reader 1', 'Reader 2', 'Alarm', 'Events', 'Fire alarm inputs', 'Intruder Alarm', and 'Access rights'. The bottom status bar shows 'System engineer' and 'Supremainc-ukrm'.

**Ensure Reader 2 has correct settings**

**Reader Type: Wiegand Reader**

**Keypad Type: None**

**Token Data Format: Wiegand Custom or 26 Bit Wiegand (Based on Net2 Configuration Utility)**

**Reader Operating Mode: Token Only**

**SUPREMAINC-UKRM - Net2 Access Control**

File View Go Tools Options Help

Back Forward Refresh Print Find user Open door New door Timesheet

**Net2 Access Control**

- Events
- Users
- Access levels
- Timezones
- Doors
- ACU:3426042
- Reports
- Net2 operators

**ACU:3426042**

ACU serial number: 03426042

Door name: ACU:3426042

Door group: (none)

Door open time: 7 seconds

Unlock the door during: At no time

☐ Only unlock the door once a user has been granted access

☐ Silent operation

Unlock relay 2 during: At no time

Reader 1 Reader 2 Alarm Events Fire alarm inputs Intruder Alarm Access rights

**Reader details**

Name: ACU:3426042 (Out)

Reader type: Wiegand reader

Keypad type: None

Token data format: Wiegand custom

**Operating mode**

Reader operating mode: Token only

☐ Timed operating modes - This allows for different reader operation during a selected timezone.

During this timezone: All day, every day

This reader will operate as: Inactive

Reader action - This is what will happen when a valid access is granted.

Relay 1 opens for door open time

Net2 actions

- Open door
- Log off

Net2 details

ACU:3426042

Net2 document...

System engineer Suprema-inc-ukrm

**Step 6: Getting Started**

## **6. ADD USER TO PAXTON**

Under the User Tab:

**Step 1: Select User Tab from the Net2 Access Control Menu List.**

The screenshot shows the 'Add user' window with the following fields and values:

- Token type: Default
- First name: Dwayne
- Middle name: Oran
- Surname: Neufville
- Department: IT DEPARTMENT
- Access level: All hours, all doors
- Telephone: [Empty]
- Fax: [Empty]
- Valid from: 28-Jun-2020
- Expires end: 28-Jun-2020
- Address 1: [Empty]
- Address 2: [Empty]
- Town: [Empty]
- County: [Empty]
- Post code: [Empty]
- Home telephone: [Empty]
- Home Fax: [Empty]
- Mobile: [Empty]
- Card template: [Empty]
- Email: [Empty]
- Position: [Empty]
- Start date: [Empty]
- Car registration: [Empty]
- Notes: [Empty]
- Personnel number: [Empty]
- PIN: [Empty]
- Token number: 8866
- Token type: Unspecified
- Buttons: Get picture, Capture Picture, Add fingerprints, Close, Add user
- Radio buttons:
  - ☒ When I click 'Add user' reload the token type default values
  - ☐ When I click 'Add user' retain the previous record values

**Step 2: Go to Users > New User > Input name Fields, Change Access Level to All hours, all doors**

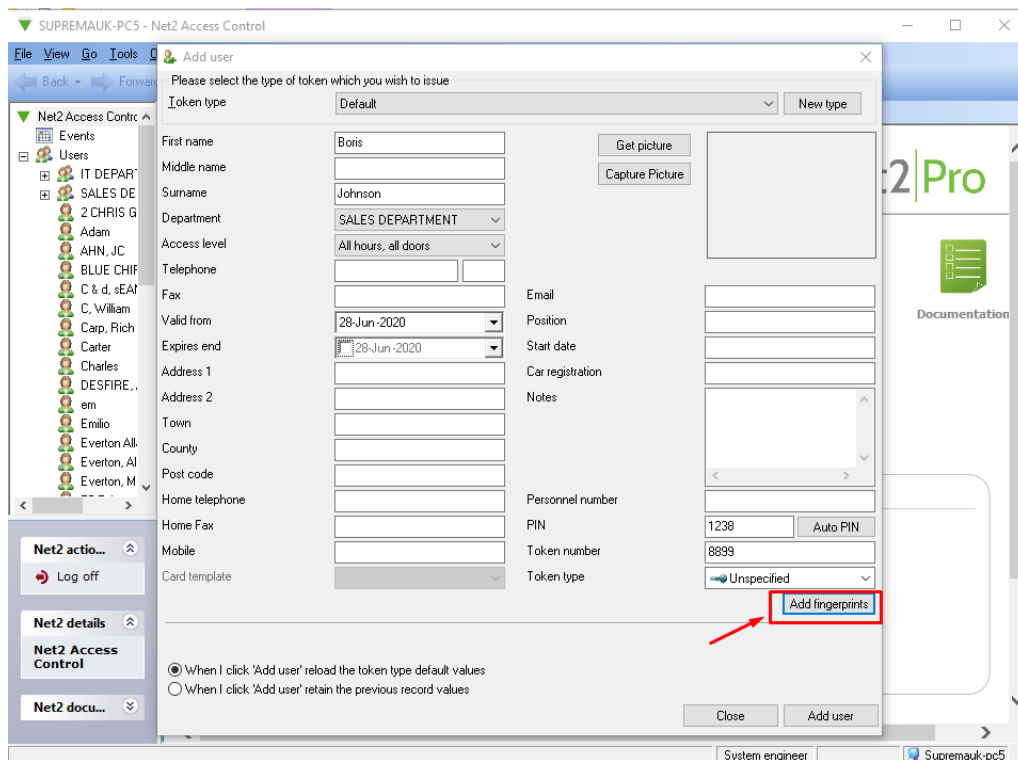
**Step 3: Place card on Paxton Desktop Reader the number will automatically populate in the Token Number Field. Click Add User**

The New User will appear under User Management

**Step 4: Using "Enrollment Helper" from the Paxton Add New User Window.**

**Step 4A: Click "Add Fingerprint"**





**Step 4B: Login to Suprema Integration with Paxton Net2.**

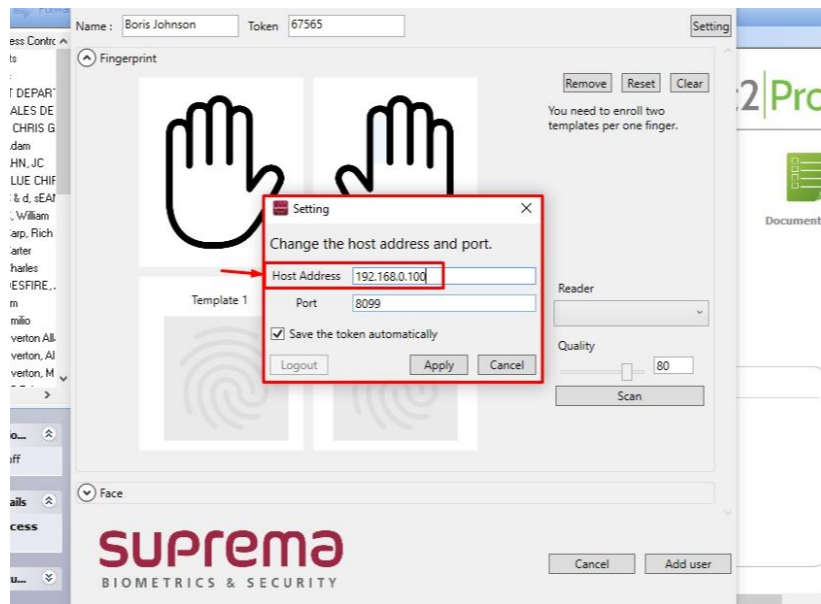
**User ID: deviceadmin**

**PIN: \*\*\*\* (What you created from the Setup Wizard)**

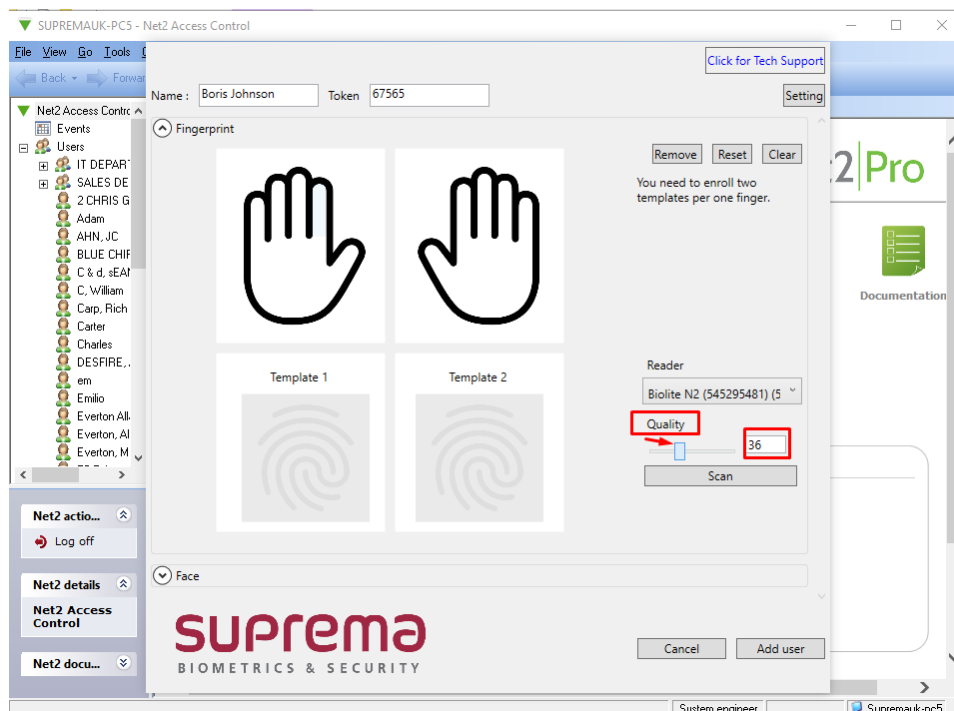


**\*Note\*** If you have your LAN & Wireless Connection enable,

the Enrollment Helper will pick up the wrong Host IP Address.

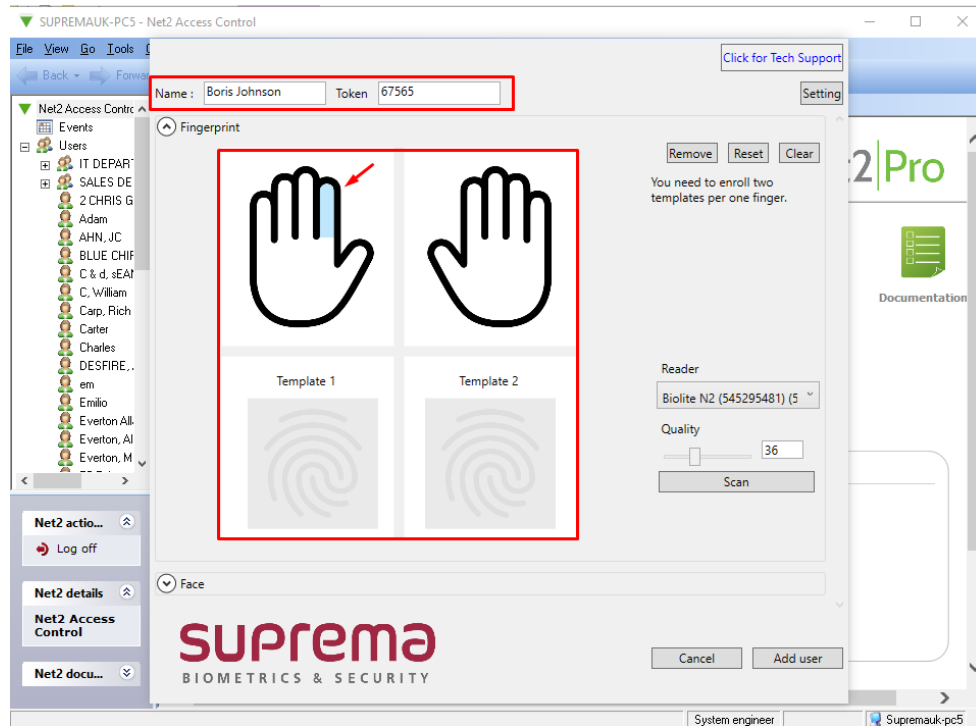


**Step 4C: Manual Enter the Fingerprint Quality to 60 & Above  
or Drag the Bar to the desired spot.**

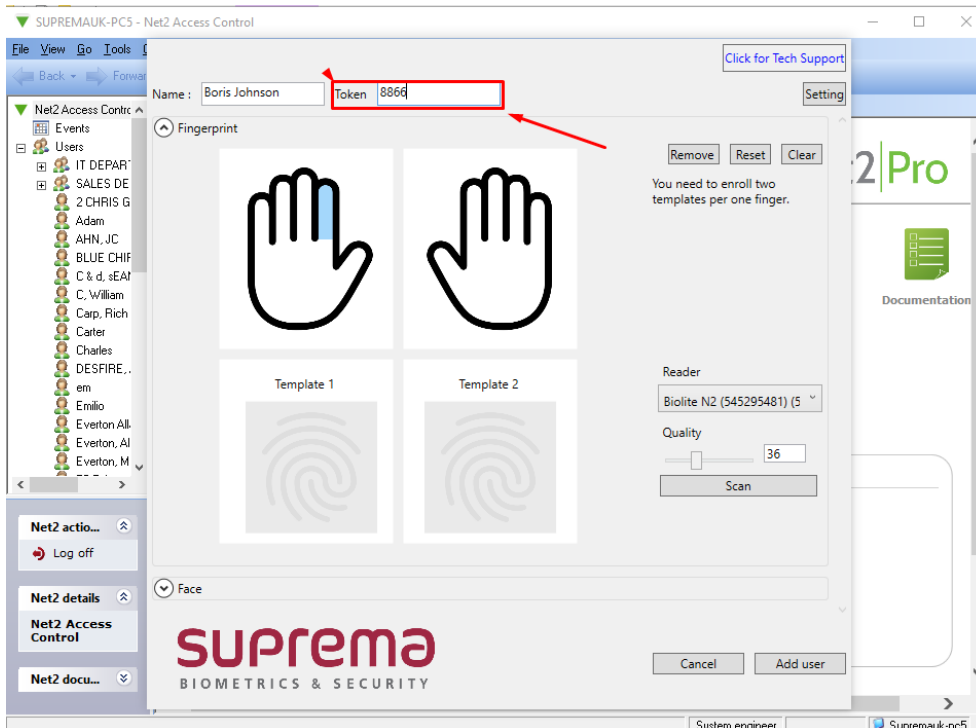


**Step 4D: Select the Finger that the end user wishes to scan on the**

## Enrollment Reader.



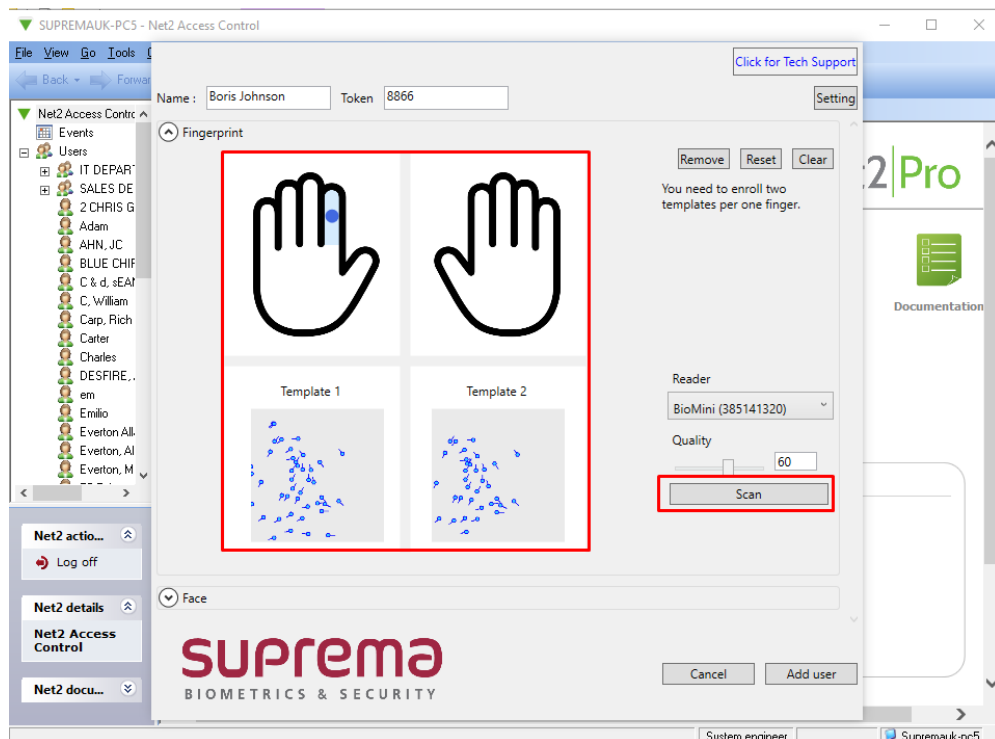
**Step 4E: Within the “Enrollment Helper” window please enter the desired Token Number.**



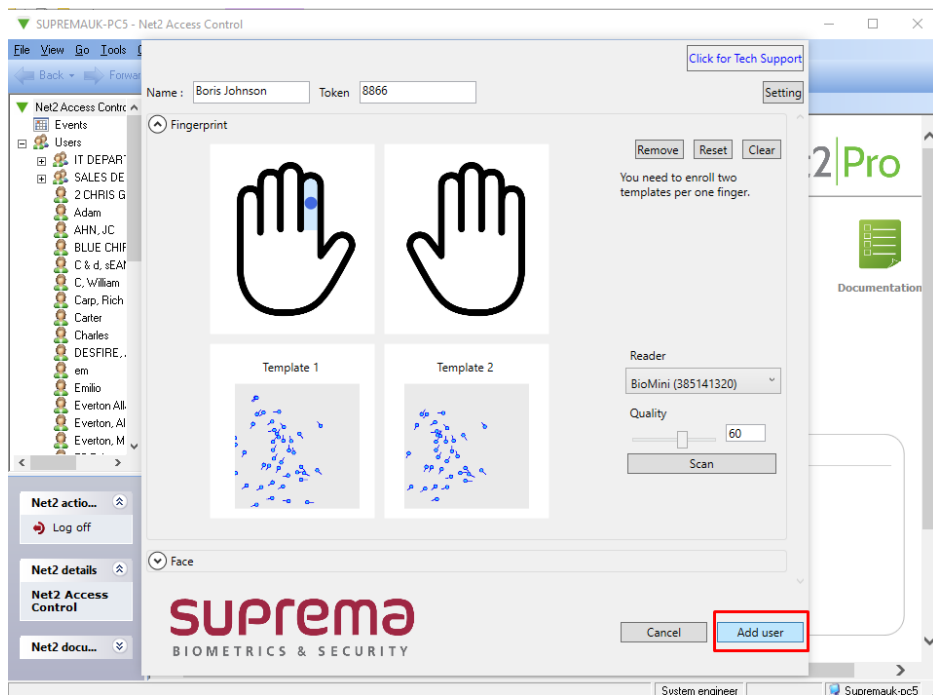
**Step 4F: Select your Enrolment Reader; BioMini or Suprema Edge Reader.**



**Step 4G: After finger selection, please click "Scan".**



**Step 4H: Add User, after a high-quality enrollment.**

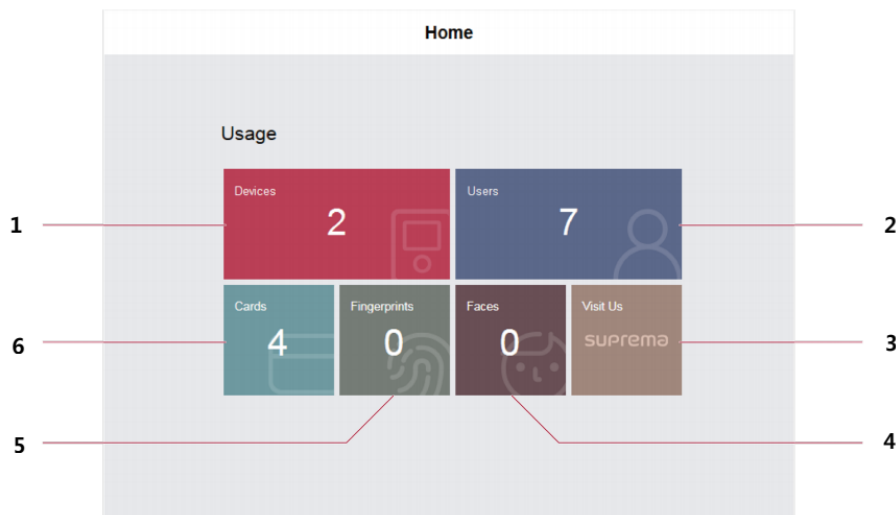


## DASHBOARD

### Open the Suprema Integration with Paxton NET2

#### Home

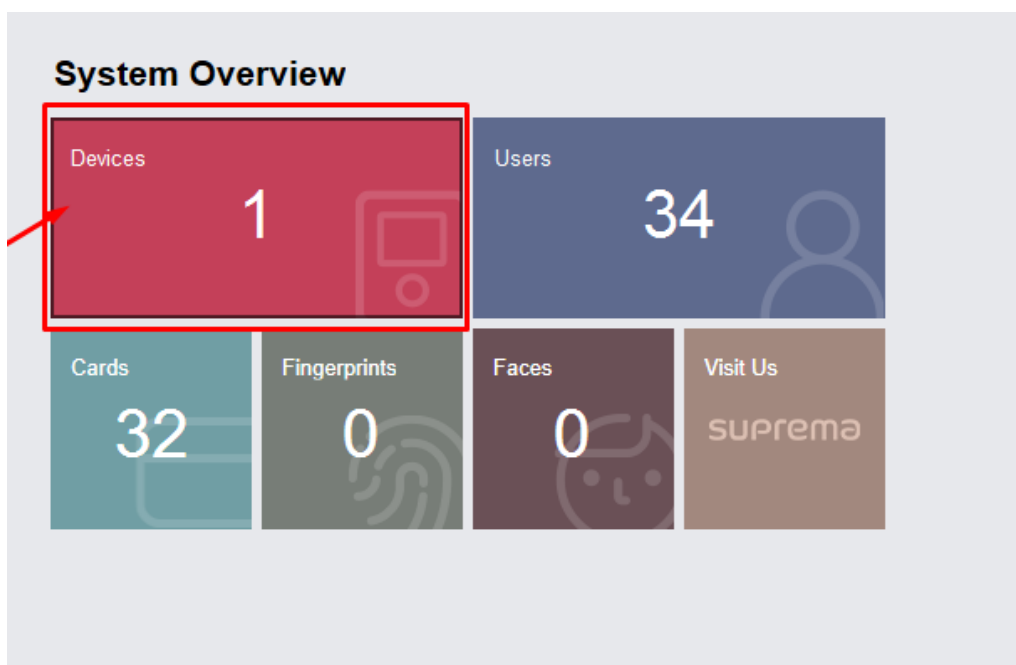
The **Home** menu is the starting point for accessing all menus of the Suprema Integration with Paxton Net2. You can also check the number of registered devices, users, faces, fingerprints, and cards.



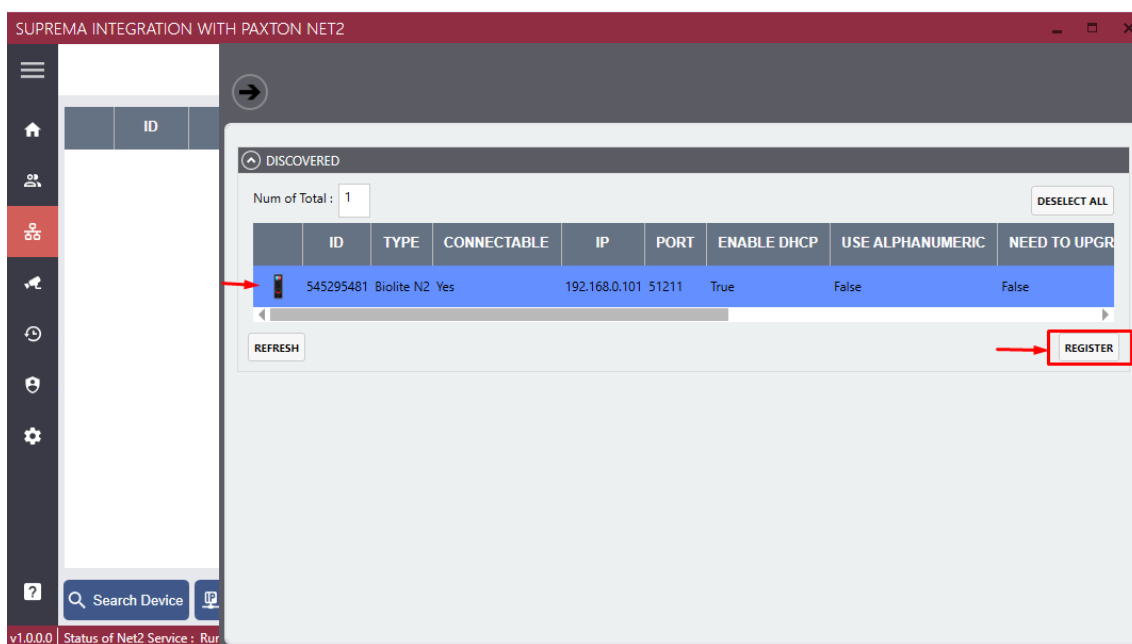
|   |   |   |   |
|---|---|---|---|
| 1 | You can view the number of connected devices. | 4 | You can view the number of registered faces.        |
| 2 | You can view the number of registered users.  | 5 | You can view the number of registered fingerprints. |
| 3 | You can access the Suprema website.           | 6 | You can view the number of registered cards.        |

## 7. ADDING A SUPREMA DEVICE

**Step 1: Login & Click Devices Tab:**



**Step 2: Click "Search Device" & Click "REGISTER" to the Suprema Device List:**



**Step 2A: Added Device in the list:**

SUPREMA INTEGRATION WITH PAXTON NET2

### Devices

| ID        | NAME                  | TYPE       | DIRECTION        | IP            | PORT  | STATUS    |
|-----------|-----------------------|------------|------------------|---------------|-------|-----------|
| 545295481 | Entrance (Front Door) | Biolite N2 | Server To Device | 192.168.0.101 | 51211 | connected |

Search Device

v1.0.0.0 | Status of Net2 Service : Running

**Step 2B: You can Manually add a Suprema Device by clicking "Add Device"**

SUPREMA INTEGRATION WITH PAXTON NET2

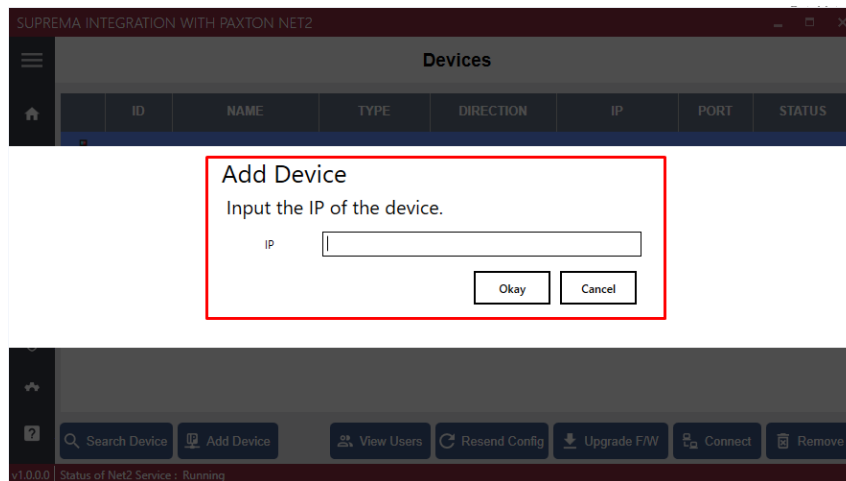
### Devices

| ID        | NAME                  | TYPE       | DIRECTION        | IP            | PORT  | STATUS    |
|-----------|-----------------------|------------|------------------|---------------|-------|-----------|
| 545295481 | Entrance (Front Door) | Biolite N2 | Server To Device | 192.168.0.101 | 51211 | connected |

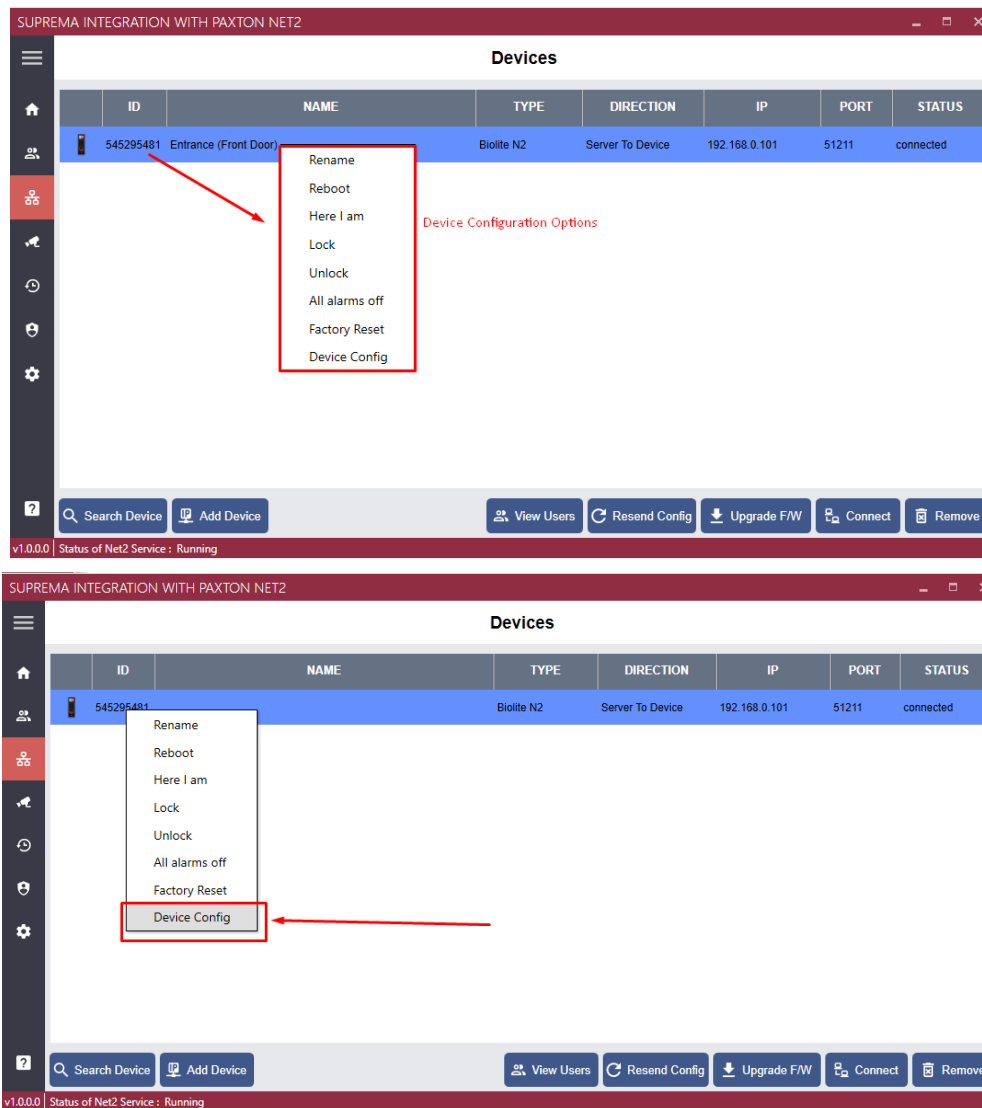
Search Device

v1.0.0.0 | Status of Net2 Service : Running

**Step 2C: Enter the Device "IP Address" & Press Okay to search for the device.**



### Step 3: Right Click on the Suprema Device for additional Options:



### Step 4: Device Configuration



- Rename Device
- Set Authentication of the Device
- Configure Device IP Address

The screenshot shows the 'SUPREMA INTEGRATION WITH PAXTON NET2' window. On the left is a sidebar with navigation icons. The main area displays the configuration for a device with ID '545295481'. The configuration is divided into three sections: INFORMATION, AUTHENTICATION, and NETWORK.

- INFORMATION:** Name: 'Entrance ( Front Door)' (with a RENAME button), Device Type: 'Biolite N2', Device ID: '545295481', Firmware ver.: '1.3.0(2020/05/12 13:47:33)'.
- AUTHENTICATION:** Radio buttons for 'Card or Biometrics' (selected), 'Biometric Only', 'Card Only', 'Biometric + PIN', 'Card + PIN or Biometric + PIN', 'Card + PIN or Biometric', 'Card or Biometric + PIN', 'Card + Biometric', 'Card + PIN', and 'Card + Biometric + PIN'.
- NETWORK:** DHCP: 'Use' (checked), IP Address: '192.168.0.101', Subnet Mask: '255.255.255.0', Gateway: '192.168.0.2', Device Port: '51211', Direction: 'Server to Device' (selected) or 'Device to Server'.

At the bottom left, it says 'v1.0.0.0 | Status of Net2 Service : Run'.

### Step 5: Device Wiegand Setting Under Global Device Configuration:

- Set Wiegand Plus Interval
- Set Wiegand Settings & Output

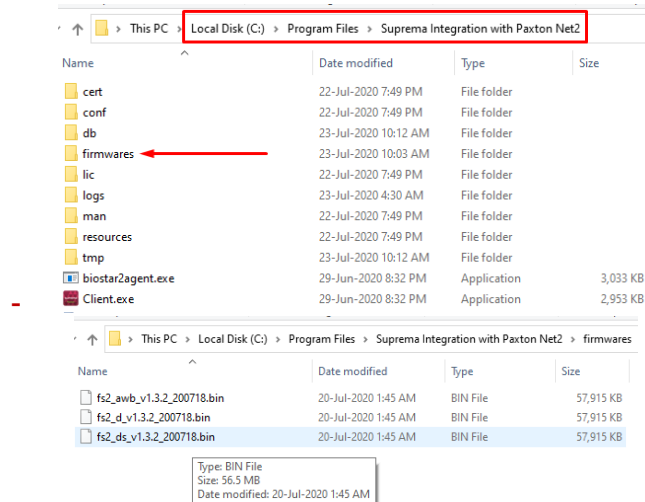
The screenshot shows the 'SUPREMA INTEGRATION WITH PAXTON NET2' window with the 'Settings' tab selected. The 'Global Device Configuration' section is expanded, showing the 'AUTHENTICATIONMODE' and 'WIEGAND' settings.

- AUTHENTICATIONMODE:** Radio buttons for 'Card or Biometrics' (selected), 'Biometric Only', 'Card Only', 'Biometric + PIN', 'Card + PIN or Biometric + PIN', 'Card + PIN or Biometric', 'Card or Biometric + PIN', 'Card + Biometric', 'Card + PIN', and 'Card + Biometric + PIN'.
- CSN CARD FORMAT:** Format Type: 'Wiegand' (selected, highlighted with a red box), Byte Order: 'MSB' (selected) or 'LSB'. Below this, '26 bit SIA Standard-H10301' is shown with an 'EDIT' button (highlighted with a red box).
- WIEGAND:** Direction: 'Output' (selected, highlighted with a red box), Input, Output Mode: 'Normal' (selected) or 'Bypass', Pulse Width: '50' (with +/- buttons), Interval: '2000' (with +/- buttons, highlighted with a red box), Fall Code: 'Use' (checked) or '0x00'.

A 'Save' button is located at the bottom right.

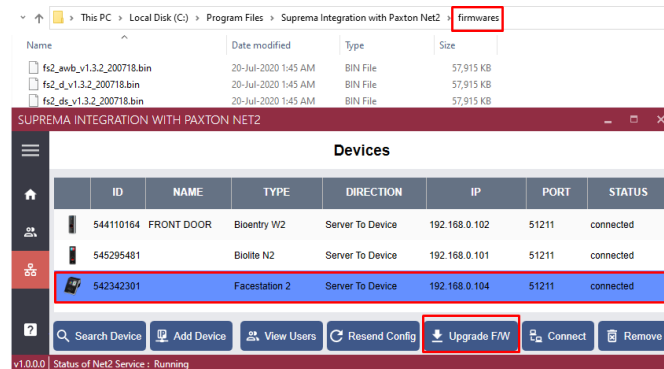
### Step 6: Device Firmware Upgrade

- Locate the Home Directory of the Suprema Integration with Paxton NET2 Software
- Paste the download firmware Package from our website to the "Firmware" Folder

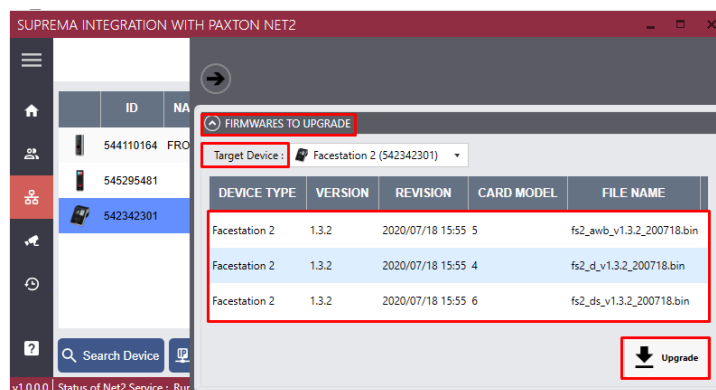


**Step 7A: Select the Device (FS2) from the Device List under the Device Tab:**

- Locate the Home Directory of the Suprema Integration with Paxton NET2 Software
- Paste the download firmware Package from our website to the "**Firmware**" Folder
- Click "**Upgrade F/W**"



**Step 7B: Select your Device Model & Click "Upgrade"**

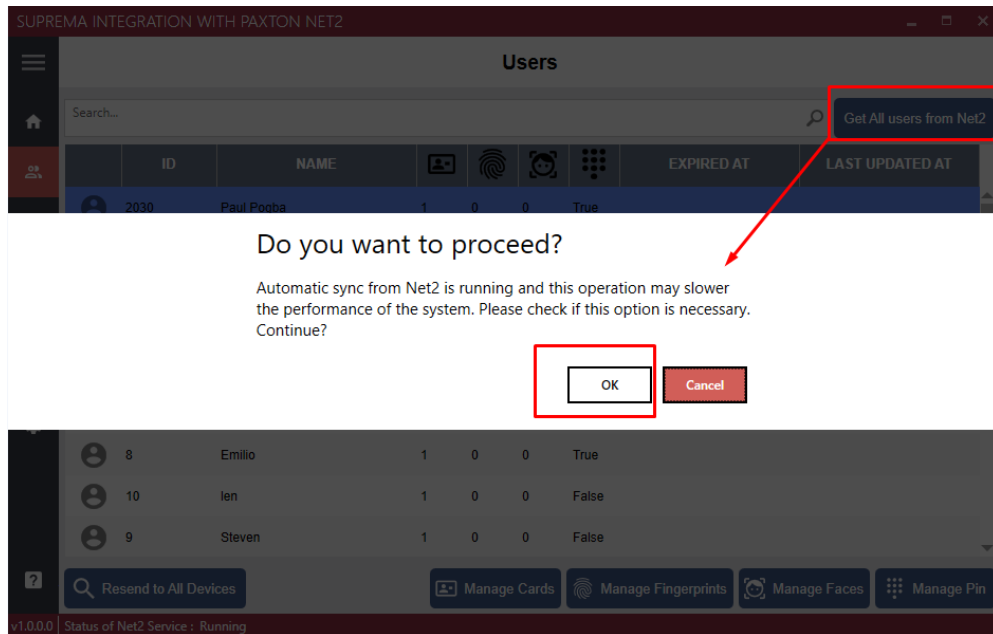


- Configure Device IP Address

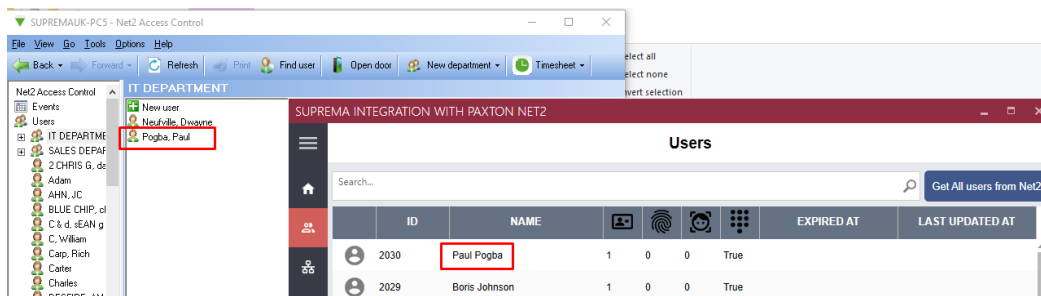
## 8. SYNCHRONIZATION

### Step 1: Sync User from Paxton Net2 To Suprema...

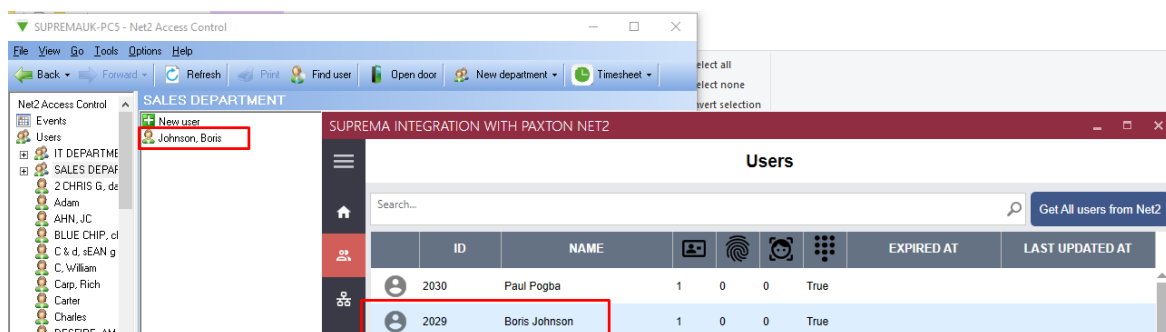
Click "Get All users from Net2"



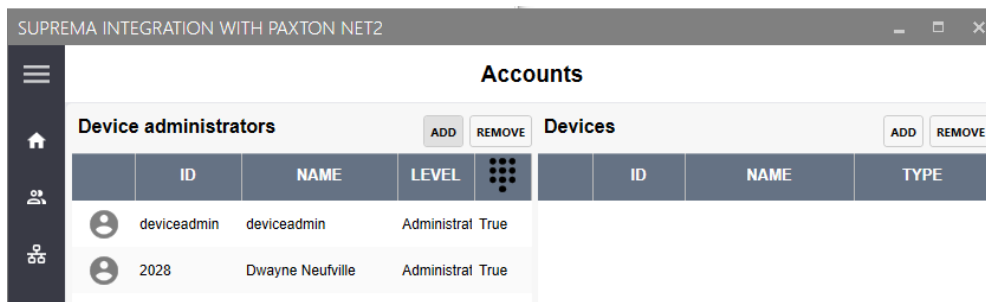
### User 1: Created from Paxton then added instantly within Suprema Add User



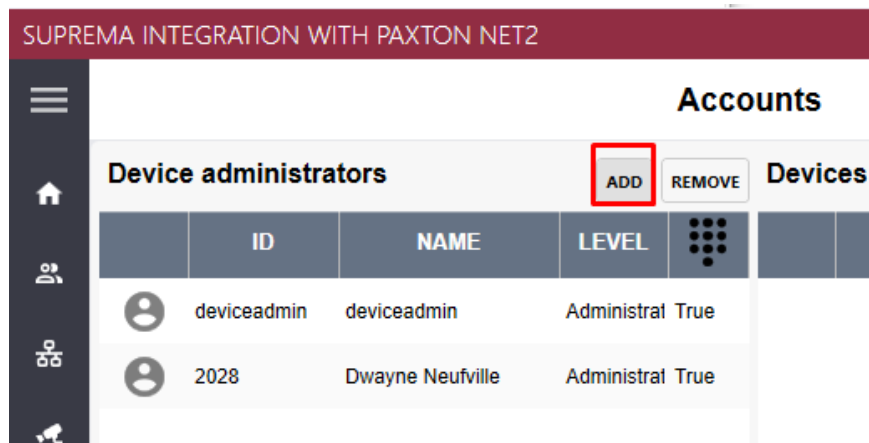
### User 2: Created from the Enrolment Helper:



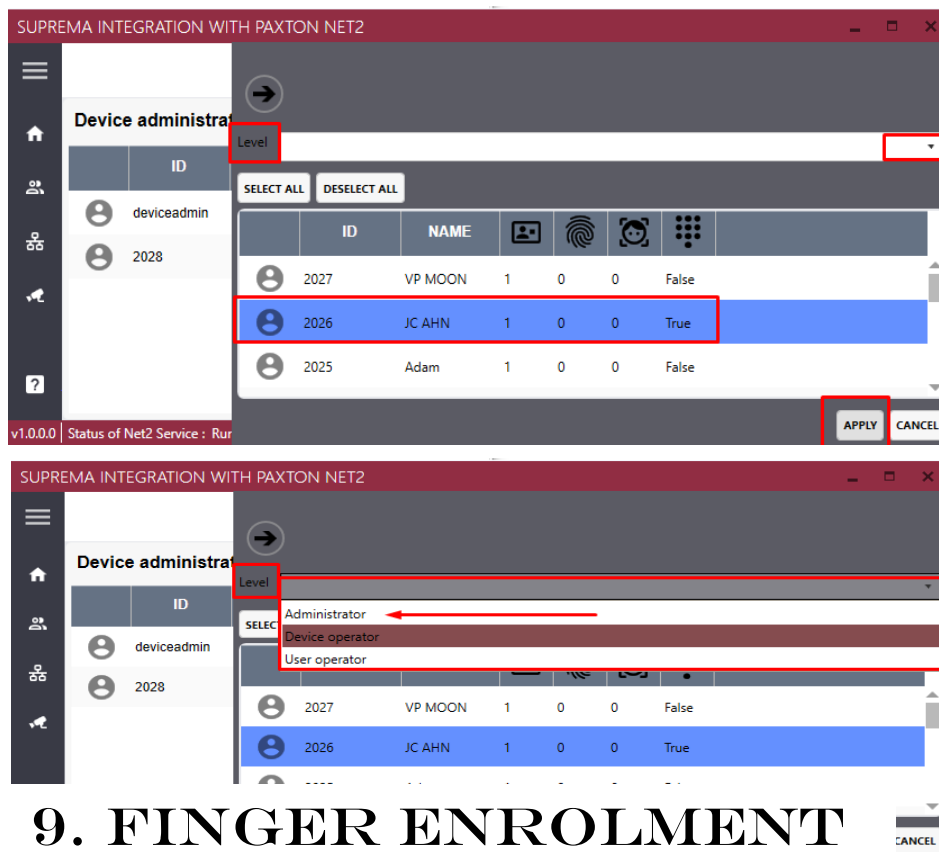
### Adding an Administrator Account to Suprema Device from the Account Tab:



**Click Add, then select the User of choice:**



**Select the Level of Permission for the User from the Drop-Down Menu:**



## 9. FINGER ENROLMENT

**Step 1: Adding A Fingerprint via Suprema Integration with Paxton Net2:**

## Click on an Active User & Select “Manage Fingerprint”

SUPREMA INTEGRATION WITH PAXTON NET2

Users

Search...

Get All users from Net2

| ID          | NAME            | 1 | 0 | 0 | False | EXPIRED AT | LAST UPDATED AT       |
|-------------|-----------------|---|---|---|-------|------------|-----------------------|
| 1024        | William C       | 1 | 0 | 0 | False |            | Jan 11, 2019 10:40 AM |
| 2023        | Rich Carp       | 1 | 0 | 0 | False |            |                       |
| 2024        | Rebecca Woods   | 1 | 0 | 0 | False |            |                       |
| 2025        | Adam            | 1 | 0 | 0 | False |            |                       |
| 2026        | JC AHN          | 1 | 0 | 0 | True  |            |                       |
| 2027        | VP MOON         | 1 | 0 | 0 | False |            |                       |
| 2028        | Dwayne Neuville | 1 | 0 | 0 | False |            |                       |
| deviceadmin | deviceadmin     | 0 | 0 | 0 | True  |            |                       |

Resend to All Devices

Manage Cards Manage Fingerprints Manage Faces Manage Pin

v1.0.0.0 Status of Net2 Service: Running

## Step 2: Select the Enrollment Reader (BioMini or Suprema Edge Reader):

SUPREMA INTEGRATION WITH PAXTON NET2

User: Paul Pogba

CARDS

PN

FINGERPRINTS

You need to enroll two templates per one finger.

Template 1

Template 2

Reader: Entrance (Front Door) (545295481)

Quality: 80

SCAN

RESET

APPLY CANCEL

## Step 3: Select the Finger of choice then click Scan:

FINGERPRINTS

You need to enroll two templates per one finger.

Template 1

Template 2

Reader: Entrance (Front Door) (545295481)

Quality: 80

SCAN

## Step 4: After the enrollment is complete. Please Click “Apply.”

**FINGERPRINTS**

You need to enroll two templates per one finger.

Template 1

Template 2

Reader: Entrance (Front Door) (545295481)

Quality: 80

SCAN

**FACES**

RESET

**APPLY** CANCEL

**Step 5: Click "Resend to All Devices" to send all users to device:**

SUPREMA INTEGRATION WITH PAXTON NET2

**Users**

Search...

Get All users from Net2

| ID   | NAME                     | 1 | 0 | 0 | True  | EXPIRED AT | LAST UPDATED AT |
|------|--------------------------|---|---|---|-------|------------|-----------------|
| 2030 | Paul Pogba               | 1 | 0 | 0 | True  |            |                 |
| 2029 | Boris Johnson            | 1 | 0 | 0 | True  |            |                 |
| 4    | Paul Welch Group         | 1 | 0 | 0 | False |            |                 |
| 5    | Ray                      | 1 | 0 | 0 | False |            |                 |
| 6    | SEAN G                   | 1 | 0 | 0 | True  |            |                 |
| 7    | Charles                  | 1 | 0 | 0 | True  |            |                 |
| 8    | Emilio                   | 1 | 0 | 0 | True  |            |                 |
| 10   | Ien                      | 1 | 0 | 0 | False |            |                 |
| 9    | Steven                   | 1 | 0 | 0 | False |            |                 |
| 11   | CLOCK & DATA 1 t pinky r | 1 | 0 | 0 | True  |            |                 |
| 12   | data & CLOCK 2 2 CHRIS G | 1 | 0 | 0 | False |            |                 |
| 2    | chris G BLUE CHIP        | 1 | 0 | 0 | False |            |                 |
| 13   | AMAG DESFIRE             | 0 | 0 | 0 | False |            |                 |
| 14   | SEAN G U                 | 1 | 0 | 0 | False |            |                 |
| 16   | em                       | 1 | 0 | 0 | False |            |                 |

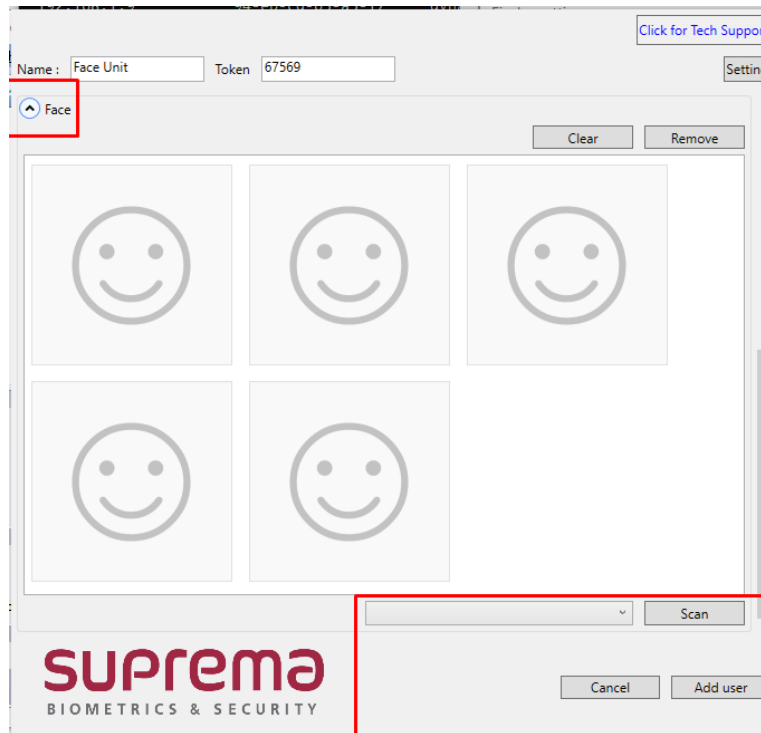
**Resend to All Devices**

Manage Cards Manage Fingerprints Manage Faces Manage Pin

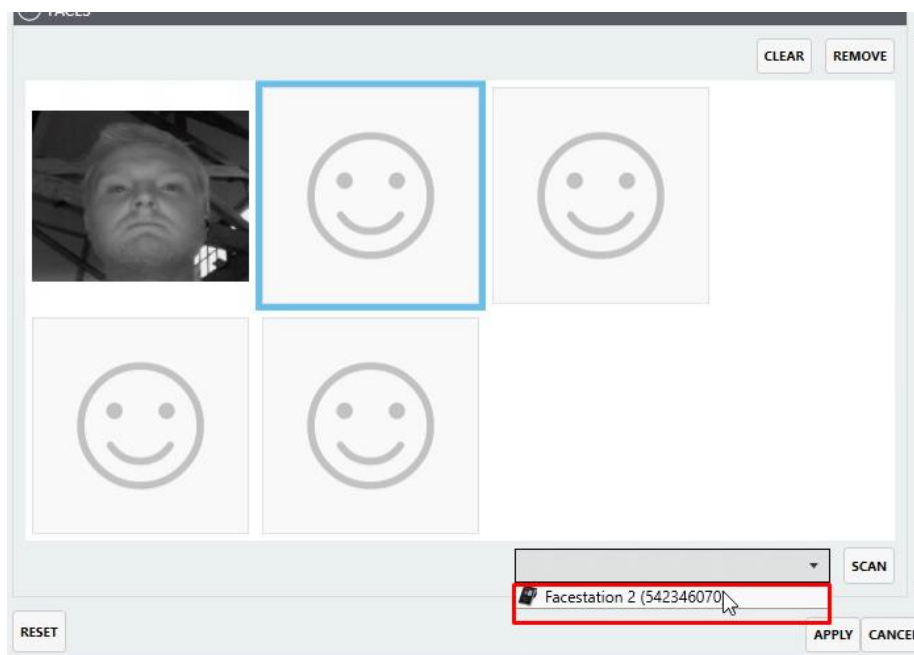
v1.0.0.0 Status of Net2 Service: Running

## 10. FACE TEMPLATE ENROLMENT

**Step 1: Click Add Fingerprint (Biometric) (Finger) via the Paxton Net2 Enrolment Helper Window.**



**Step 2: Click on the Drop-Down Menu to Select the Face Enrolment Reader (FaceStation2).**



### Step 3: Click Scan

User:

▼ FINGERPRINTS

▲ FACES

CLEAR REMOVE

Please wait for a second.  
Follow the instructions of the reader to scan your face.

Facestation 2 (542346070)

SCAN

RESET APPLY CANCEL

### Step 4: Click Apply.

### Step 5: Adding A Face Template via Suprema Integration with Paxton Net2:

Click on an Active User & Select "Manage Face"

SUPREMA INTEGRATION WITH PAXTON NET2

Users

Search...

Get All users from Net2

|             | ID                 | NAME |   |   |       |  | EXPIRED AT              | LAST UPDATED AT |
|-------------|--------------------|------|---|---|-------|--|-------------------------|-----------------|
| 10          | Sam Smith          | 1    | 0 | 0 | False |  | 07 Jul 2020 11:03:00 AM |                 |
| 9           | Sam Smith          | 2    | 1 | 0 | True  |  | 02 Jul 2020 06:47:01 PM |                 |
| 8           | Chris Wrench       | 1    | 0 | 0 | True  |  | 02 Jul 2020 06:45:30 PM |                 |
| 7           | Dwayne Heath       | 2    | 1 | 0 | True  |  | 02 Jul 2020 06:42:55 PM |                 |
| 6           | Jeremy Allison     | 2    | 1 | 2 | True  |  | 02 Jul 2020 06:42:07 PM |                 |
| 5           | Karlene James      | 2    | 2 | 3 | True  |  | 01 Jul 2020 05:37:01 PM |                 |
| 4           | No Glasses Lurline | 2    | 0 | 5 | True  |  | 01 Jul 2020 05:31:42 PM |                 |
| 3           | Jamie McMillen     | 3    | 2 | 0 | True  |  | 01 Jul 2020 05:24:52 PM |                 |
| 1           | Dwayne Neufville   | 1    | 0 | 0 | True  |  | 01 Jul 2020 05:20:57 PM |                 |
| 2           | Lurline James      | 1    | 2 | 1 | True  |  | 01 Jul 2020 05:23:49 PM |                 |
| deviceadmin | deviceadmin        | 0    | 0 | 0 | True  |  | 01 Jul 2020 05:18:35 PM |                 |

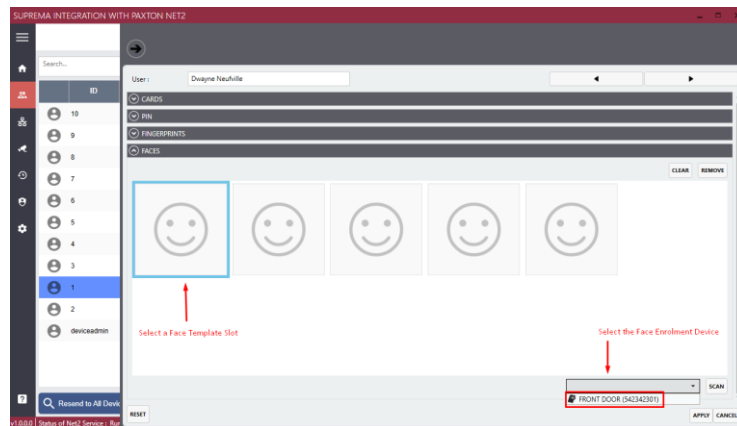
Resend to All Devices

Manage Cards Manage Fingerprints Manage Faces Manage Pin

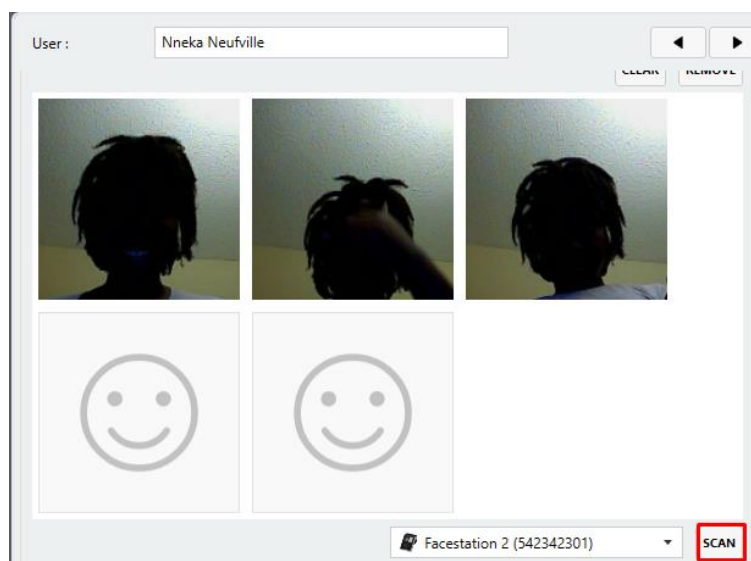
v1.0.0.0 Status of Net2 Service : Running



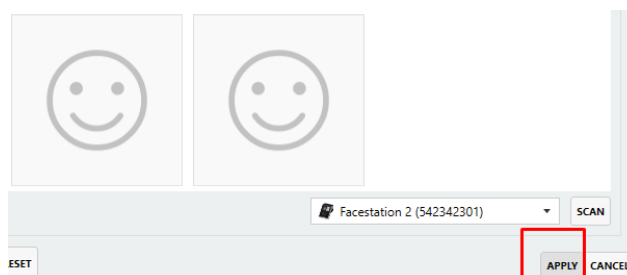
**Step 6: Click on a Face Template Slot & Select from the Drop-Down Menu**  
**“Face Enrolment Device”**



**Step 7: Click on “Scan”**



**Step 8: Click on “Apply”**  
**To Save the face enrollment.**



# 11. EVENT LOGS

## SUPREMA INTEGRATION WITH PAXTON NET2

SUPREMA INTEGRATION WITH PAXTON NET2

Monitoring

| DATETIME                | EVENT                                      | USER ID(CARD ID) | DEVICE    | INDEX   |
|-------------------------|--|------------------|-----------|---------|
| 22 Jul 2020 10:38:34 PM | 1:N authentication succeeded (Fingerprint) | 13               | 544110164 | 20010   |
| 22 Jul 2020 10:38:32 PM | 1:N authentication succeeded (Fingerprint) | 1                | 544110164 | 20009   |
| 22 Jul 2020 10:38:27 PM | 1:N authentication succeeded (Fingerprint) | 1                | 544110164 | 20008   |
| 22 Jul 2020 10:38:22 PM | 1:N authentication succeeded (Fingerprint) | 1                | 544110164 | 20007   |
| 22 Jul 2020 10:38:21 PM | User update succeeded                      | 5                | 544110164 | 20006   |
| 22 Jul 2020 10:38:21 PM | User update succeeded                      | 4                | 544110164 | 20005   |
| 22 Jul 2020 10:38:18 PM | User update succeeded                      | 5                | 542342301 | 1297373 |

SUPREMA INTEGRATION WITH PAXTON NET2

Monitoring

| DATETIME                | EVENT                                      | USER ID(CARD ID) | DEVICE    | INDEX   |
|-------------------------|--|------------------|-----------|---------|
| 23 Jul 2020 09:57:25 AM | User update succeeded                      | 7                | 542342301 | 1297422 |
| 23 Jul 2020 09:57:22 AM | User update succeeded                      | 7                | 544110164 | 20059   |
| 23 Jul 2020 09:57:23 AM | User update succeeded                      | 7                | 545295481 | 1880    |
| 23 Jul 2020 09:55:20 AM | 1:N authentication succeeded (Fingerprint) | 1                | 545295481 | 1879    |
| 23 Jul 2020 09:55:09 AM | 1:N authentication succeeded (Fingerprint) | 1                | 544110164 | 20058   |
| 23 Jul 2020 09:55:06 AM | 1:N authentication succeeded (Fingerprint) | 7                | 544110164 | 20057   |
| 23 Jul 2020 09:55:00 AM | 1:N authentication succeeded (Face)        | 7                | 542342301 | 1297421 |
| 23 Jul 2020 09:54:57 AM | 1:N authentication succeeded (Face)        | 7                | 542342301 | 1297420 |
| 23 Jul 2020 09:54:52 AM | 1:N authentication succeeded (Face)        | 7                | 542342301 | 1297419 |
| 23 Jul 2020 09:54:48 AM | 1:N authentication succeeded (Face)        | 7                | 542342301 | 1297418 |
| 23 Jul 2020 09:54:45 AM | 1:N authentication succeeded (Face)        | 7                | 542342301 | 1297417 |

Refresh

10000 Status of Net2 Service : Running

## PAXTON NET2

SUPREMAUK-PC5 - Net2 Access Control

File View Go Tools Options Help

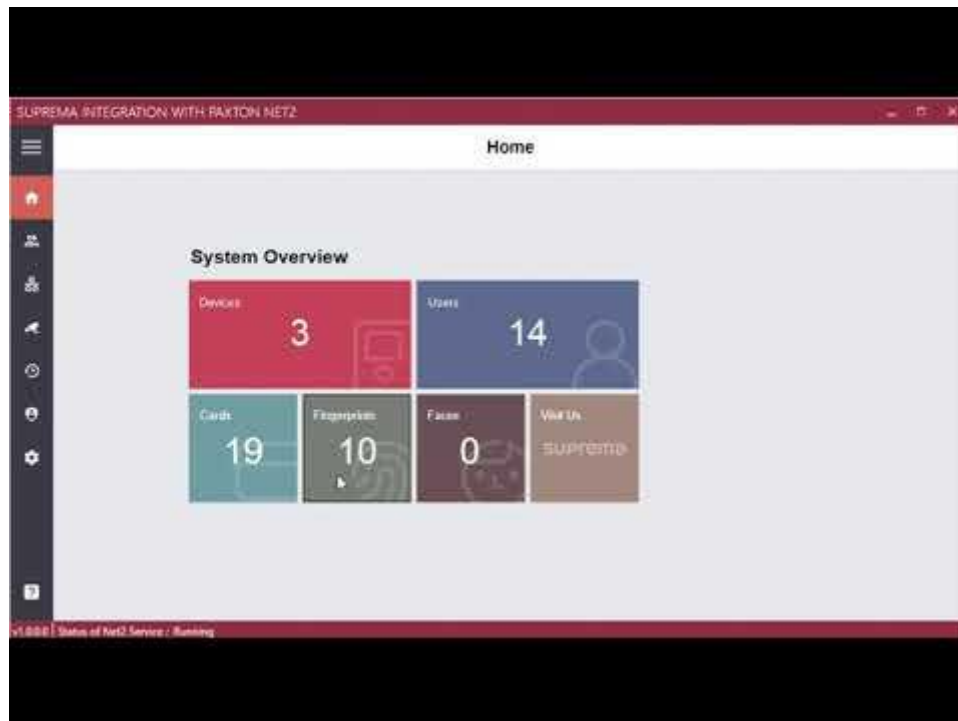
Back Forward Refresh Print Find user Open door New user Timesheet

Net2 Access Control

Events

| Date/time              | User              | Token number | Where                 | Event                         | Details                |
|------------------------|-------------------|--------------|-----------------------|-------------------------------|------------------------|
| 23-Jul-2020 9:55:21 AM | Neufville, Dwayne | 65537        | FRONT DOOR - ENTRANCE | Access permitted - token only | No access made         |
| 23-Jul-2020 9:55:11 AM | Neufville, Dwayne | 65537        | FRONT DOOR - EXIT     | Access permitted - token only | No access made         |
| 23-Jul-2020 9:55:09 AM | Paik, Shannon     | 65543        | FRONT DOOR - EXIT     | Access permitted - token only | No access made         |
| 23-Jul-2020 9:53:41 AM | Paik, Shannon     | 65543        | FRONT DOOR - EXIT     | Access permitted - token only | No access made         |
| 23-Jul-2020 9:53:36 AM | Paik, Shannon     | 65543        | FRONT DOOR - EXIT     | Access permitted - token only | No access made         |
| 23-Jul-2020 9:53:30 AM | Paik, Shannon     | 65543        | FRONT DOOR - ENTRANCE | Access permitted - token only | No access made         |
| 23-Jul-2020 9:53:25 AM | System engineer   |              |                       | ACU configuration             | Modified: Suprema Init |
| 23-Jul-2020 9:53:14 AM | Paik, Shannon     | 65543        | FRONT DOOR - EXIT     | Access permitted - token only | No access made         |
| 23-Jul-2020 9:53:05 AM | Paik, Shannon     | 65543        | FRONT DOOR - EXIT     | Access permitted - token only | No access made         |
| 23-Jul-2020 9:52:33 AM | System engineer   |              |                       | User details                  | Added: Paik, Shannon   |
| 23-Jul-2020 9:52:02 AM |                   | 65547        | FRONT DOOR - EXIT     | Access denied - invalid token | Token details not four |
| 23-Jul-2020 9:51:48 AM |                   | 5454         | FRONT DOOR - EXIT     | Access denied - invalid token | Token details not four |
| 23-Jul-2020 9:51:40 AM |                   | 5454         | FRONT DOOR - EXIT     | Access denied - invalid token | Token details not four |
| 23-Jul-2020 5:13:41 AM | Neufville, Dwayne | 65537        | FRONT DOOR - ENTRANCE | Access permitted - token only | No access made         |

## 12. VIDEO GUIDE:



## 12A. WEBINAR:

