

# **BioStar 2.7**

## **New Feature Introduction (2.7.8 ~ 2.7.10)**

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# **New Features and Improvements**

## **Server Setting**

# Allow the User to Edit 'User ID' in <User Field Mapping> of Active Directory

❑ Up to BioStar 2.7.8, BioStar 2 User ID field could not be changed to another field.

➔ From BioStar 2.7.10, User ID field can be changed to map to other values.

**Field Configuration**

**User Field Mapping**

BioStar2 User Field	AD Server Field
User ID	sAMAccountName
User Name	

**Synchronize**

**Status** Not yet executed

**Sync Now**

**Cancel**



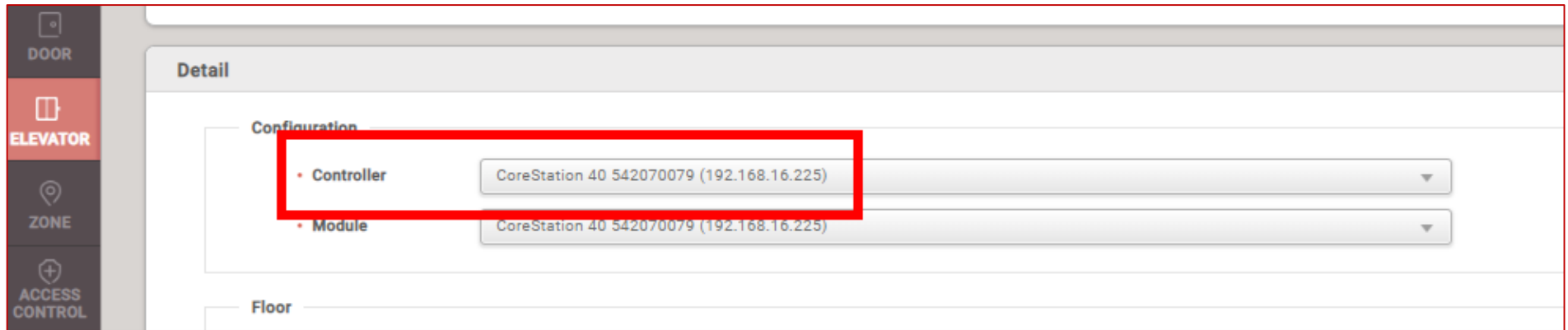
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# **New Features and Improvements**

**Device**

# Configuring the CoreStation as a Controller for up to 32 Elevators

- ❑ Allow to set duplicated Controller as CoreStation to different elevator list, it's allows up to 32 duplicated configuration with CoreStation.
- ❑ This doesn't mean the specification change of OM120 and the maximum number of RS485 slave devices of CoreStation.



**Q1** How many OM-120 can be configured to one single CoreStation for using the Elevator?

**A1** Same as before. Up to 16 OM-120 units can be configured.

**Q2** How many RS-485 Slave devices can be configured to the one CoreStation?

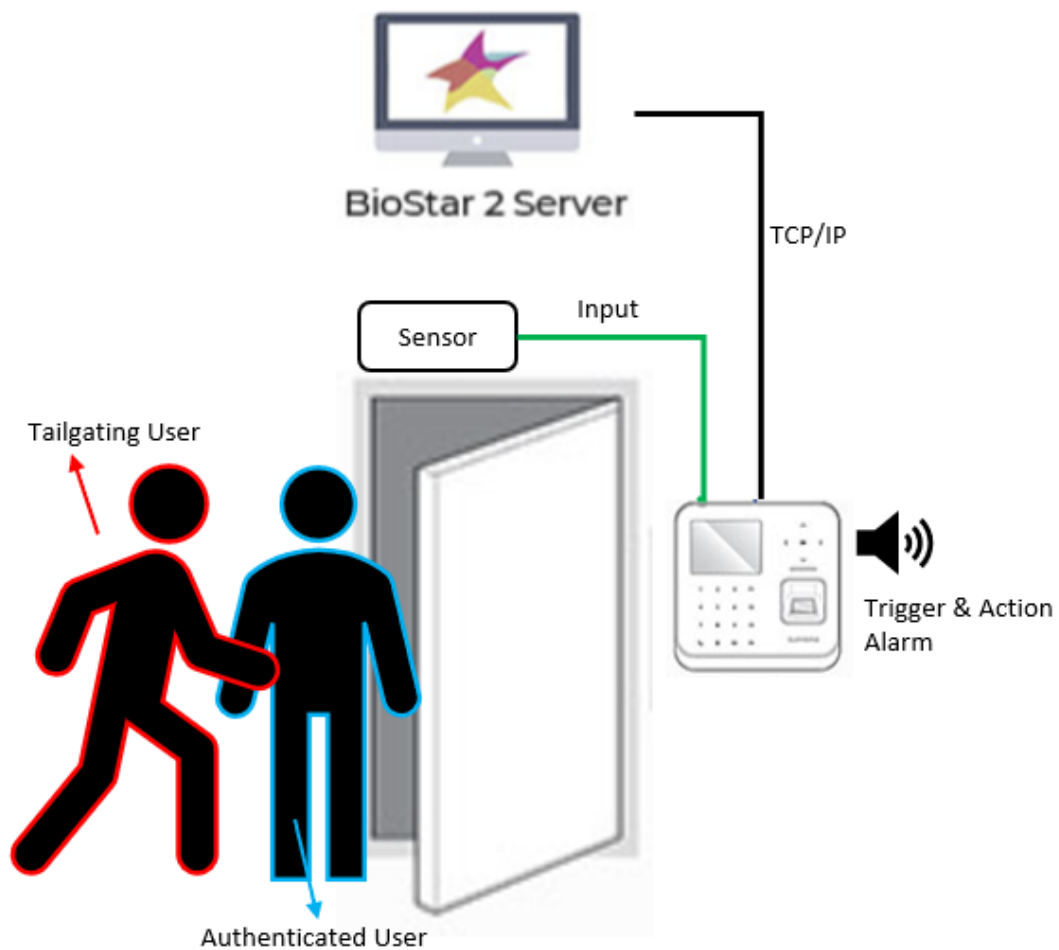
**A2** Same as before. Each RS-485 ports of the CoreStation supports up to 31 Slave devices but total number is 64.

**Q3** What is the difference of the Elevator & CoreStation between the BioStar v2.7.8 and the lower version?

**A3** Before v2.7.8, BioStar 2 validates whether the controller information of the Elevator is duplicated or not and blocks to configure the duplicated controller. But from v2.7.8, the one CoreStation can be a duplicated controller for the one Elevator.



# Supports Anti-Tailgating



Model	Version
BioStar 2 SW	v2.7.8
BioStation 2	v1.8.0
BioStation A2	v1.7.0
FaceStation 2	v1.3.0
BioLite N2	v1.2.0
FaceLite	v1.1.0
BioEntry W2	v1.4.0
BioStation L2	v1.5.0
BioEntry P2	v1.3.0



# Supports Anti-Tailgating

## 1. Anti-Tailgating at Door

The image displays two screenshots of the BioStar 2 web interface, illustrating the configuration of Anti-Tailgating at a door. Both screenshots show the 'No AntiTailgating' and 'AntiTailgating' configuration pages, respectively.

**Left Screenshot (No AntiTailgating):** Shows the configuration for a door named 'No AntiTailgating'. The 'Entry Device' is set to 'BioStation A2 541531089 (192.168.16.154)'. A red annotation states: '<- Old device firmware; not support anti-tailgating'. The 'Switch' is set to 'Normally Open'.

**Right Screenshot (AntiTailgating):** Shows the configuration for a door named 'AntiTailgating'. The 'Entry Device' is set to 'BioStation 2 546833028 (192.168.16.189)'. A red annotation states: '<- The latest device firmware; support anti-tailgating'. The 'Switch' is set to 'Normally Open'.

## Real-time Log

Save Filter Pause Clear ...

Date	Door	Elevator	Device ID	Device	User	Zone	Event	View
2019/09/17 15:58:02			546833028	BioStation 2 54683...	2(test)		Access Denied (Anti-tailgating) <span style="color: red;">&lt;- Anti-Tailgating Detected</span>	
2019/09/17 15:57:55	AntiTailgating		546833028	BioStation 2 54683...			Door locked	
2019/09/17 15:57:52	AntiTailgating		546833028	BioStation 2 54683...			Door unlocked	
2019/09/17 15:57:52			546833028	BioStation 2 54683...	2(test)		1:N authentication succeeded (Fingerprint) <span style="color: red;">&gt; Normal Authentication</span>	



# Supports Anti-Tailgating

## 2. Anti-Tailgating on the Device

The screenshot displays the 'Trigger & Action' configuration interface. At the top, there is a table with columns for 'Trigger' and 'Action'. A red arrow points from the 'Access Denied (Anti-tailgating)' entry in the table to the 'Add Trigger & Action' dialog box below.

The 'Add Trigger & Action' dialog box is divided into two main sections: 'Trigger' and 'Action'.

**Trigger Section:**

- Event List: A search box contains 'anti'. The list includes:
  - Access Denied (Anti-tailgating)
  - Access denied (Hard Anti-passback)
  - Access denied (Soft anti-passback)
  - Access denied (Soft timed anti-passback)
  - Access denied (Timed anti-passback)
  - Anti-passback alarmed
  - Anti-passback cleared
  - Anti-passback violation detected
  - Anti-passback zone alarm cleared

**Action Section:**

- Alert Sound Type: A dropdown menu is set to 'Alarm 1'.
- Play Option:  Loop,  Play Count (0)

Buttons for 'Apply' and 'Cancel' are located at the bottom of the dialog.

# Setting Options for Wiegand Authentication Result Output

- In case of Bypass or AoC among Smart Card, Card ID is displayed.
- Secure Credential Card supports user ID output.
- Slave device cannot configure the option.
- User ID output is supported both number ID and alphanumeric ID mode.
- When both user ID output and Bypass are enabled, the card Wiegand output works as card ID.

The screenshot shows the 'Wiegand' configuration section. On the left, there are three settings: 'Input/Output' set to 'Input', 'Wiegand Input Format' set to 'Default', and 'Output Mode' with a 'Normal' toggle and a 'Fail Code' checkbox set to '0x00'. On the right, there are two numeric input fields: 'Pulse Width(μs)' set to 40 and 'Pulse Interval(μs)' set to 10000. Below these is the 'Output Info' section, which is highlighted with a red box and contains two radio buttons: 'Card ID' (selected) and 'User ID'.

Model	Version
BioStar 2 SW	v2.7.8
BioStation 2	v1.8.0
BioStation A2	v1.7.0
BioStation L2	v1.5.1
BioStation W2	v1.4.1
FaceStation 2	v1.3.0
BioEntry P2	v1.3.0
BioLite N2	v1.2.0
Xpass 2	v1.1.0
FaceLite	v1.1.0



# Options for Selection by Card Type

- Need to block CSN card reading when using the card as a Smart Card.
- Need to block one frequency when using the Dual Card.
- Need to block support card type for preventing delayed card reading time.
  
- Support to choose one to multiple card types depends on the device model.

Card Type

**CSN Card**  Enabled

EM4100  Mifare/Felica

**Format Type**  Normal **Byte Order**

**Wiegand Card**  Enabled

ICLASS  HID Prox

**Wiegand Format**

**Smart Card**  Enabled

**MIFARE**

Classic/Plus  DesFire/DesFire EV1

**ICLASS**

SR/SE  SEOS

**Layout**

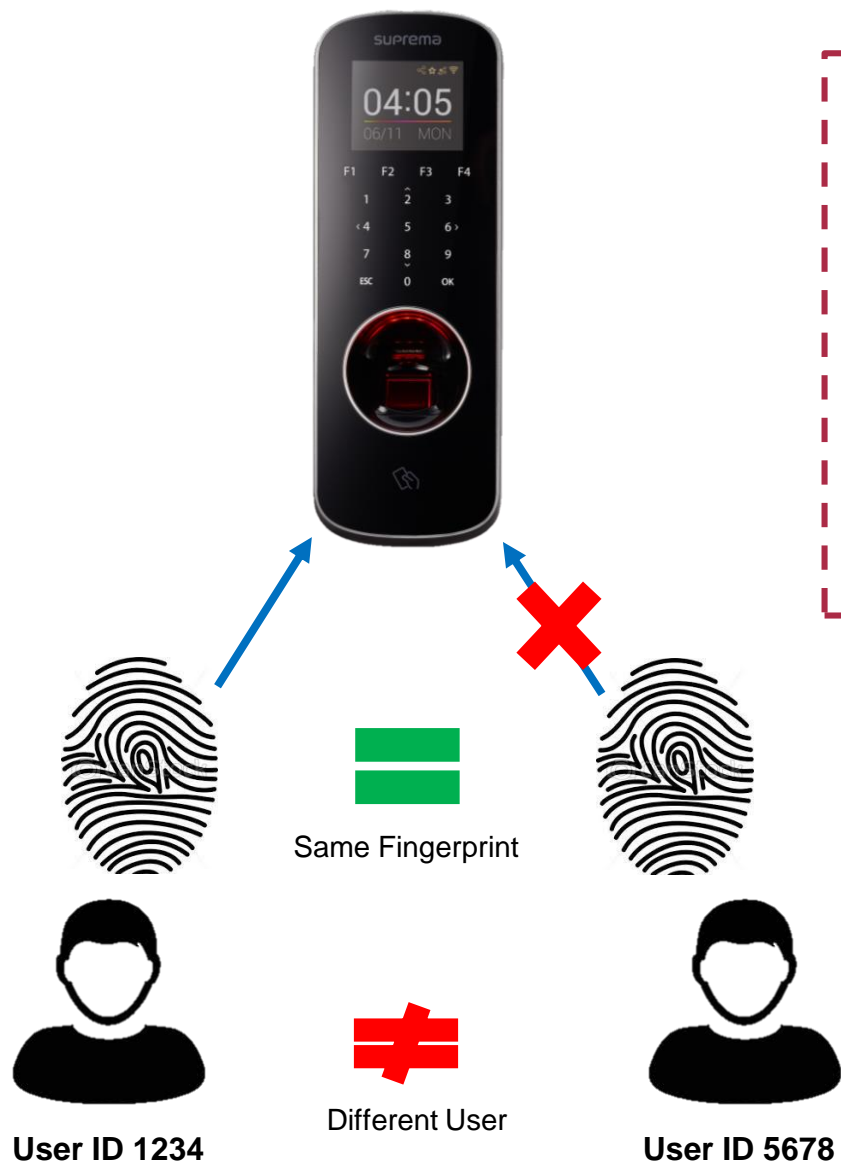
**Mobile**  Enabled

NFC  BLE

Model	Version
BioStar 2 SW	v2.7.8
BioEntry P2	v1.3.0
BioEntry W2	v1.4.0
BioLite N2	v1.2.0
BioStation 2	v1.8.0
BioStation A2	v1.7.0
BioStation L2	v1.5.0
FaceLite	v1.1.0
FaceStation 2	v1.3.0
XPass 2	v1.1.0
XPass D2	v1.2.0



# The Fingerprint/Face Duplicate Check When Registering Users on a Device



- ❑ Can configure from BioStar 2 or devices
- ❑ Need to match BioStar 2 and device firmware versions.
- ❑ Supported in 1:N matching.
- ❑ If the user is same, there will be no duplication check.
- ❑ Even though there are many duplicated fingerprint/face users in the site, BioStar 2 and device will show 1 user information.
- ❑ Not supported on the Slave device.
- ❑ Logs will be in Monitoring and Audit Trail.

Model	Version
BioStar 2 SW	v2.7.8
FaceStation 2	v1.3.0
FaceLite	v1.1.0
BioStation 2	v1.8.0
BioStation L2	v1.5.0
BioStation A2	v1.7.0
BioLite N2	v1.2.0



# Support for Connecting New Devices - FaceLite



		FaceLite	FaceStation 2
Authentication		Face/Card /PIN (Not supported - PIN Only)	Face/Card/PIN (Not supported - PIN Only)
O/S		Linux	Android 5.0 Lollipop
CPU		1.2GHz Quad	1.4GHz Quad
Memory		1GB RAM 8GB Flash	1GB RAM 8GB Flash
Keypad		4 EA (LCD touch)	Yes (LCD touch)
Camera		720x480 1 IR(58°)	720x480 1 IR(58°), 1 Visual(90°)
Lux		25,000	
IR LED		8EA	140EA
LCD	Size	2" (320x240)	4" (800x480)
Capacity	User(1:N) * Based on one face enrollment per user	3,000	
	User(1:1) * Based on one face enrollment per user	30,000	
	Log	5,000,000 (Image log is not supported because of the device does not have a Visual Camera)	5,000,000 (Image:50,000)
RF Option		Mifare / EM	Mifare / EM HID Prox / HID iClass
Mobile Card		NFC, BLE	NFC, BLE
Comm.	Host Com	TCP/IP, RS485	
	Wiegand	1Port (In/Out sw itchable)	2 Port (In, Out)
	IO	2 Input, 1 Relay, 1 Tamper	
Interface	WiFi	No	Yes
	USB	Yes (C Type)	Yes (A Type)
PoE		No	
IP		No	
Temperature		-20°C ~ 50°C	
Dimension (WxHxD)(mm)		80x160.3x71.8	141x164x125



# Support for Connecting New Devices – Xpass2



		XPass 2	Xpass V2
General	IP Rating	IP65, IP67	IP65
	RF Option	125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire/EV1, FeliCa	<b>XPE-PoE</b> 125kHz EM
	/ Mobile Card	(Multiple RFID support)	<b>XPM-PoE</b> 13.56MHz MIFARE, DESFire/EV1 (CSN)
		<b>BLE(iOS/Android)/NFC(Android)</b>	<b>XPH-PoE</b> 125kHz HID Prox
	Multi-Controller	RF only	RF only
Capacity	Certificates	CE, FCC, KC, RoHS, REACH, WEEE, SIG	CE, FCC, KC, RoHS
	Max. User	<b>200,000</b>	40,000
Interface	Max. Text Log	<b>1,000,000</b>	50,000
	TCP/IP	Yes <b>(10/100 Mbps, auto MDI/MDI-X)</b>	Yes (10/100 Mbps, optional)
	RS-485	1ch	1ch
	Wiegand	1ch In or 1ch Out (Selectable)	1ch In or 1ch Out (Selectable)
	Input	2 Inputs	2 Inputs
Mechanical	Relay	1 Relay	1 Relay
	CPU	1 GHz	533MHz DSP
	Memory	<b>4 GB Flash + 64 MB RAM</b>	16MB RAM + 8MB Flash
	LED Indicator	Multiple colors	Multi-Colors
	Sound	Multi-tone Buzzer	Multi-tone Buzzer
	Operating Temp.	-35°C - 65°C	-20° to 50°C
	Tamper	Yes	Yes
	PoE	Supported (IEEE 802.3af compliant)	Optional
	Dimensions	XP2-MDPB: 48 x 145 x 27 XP2-GDPB, XP2-GKDPB: 80 x 130 x 25	45 x 130 x 27 (WxHxD mm)
Platform	BioStar 2	<b>Supported</b>	Supported (Required FW Converting)
	BioStar 1	Not Supported	Supported (Required FW Converting)

XP2-MDPB

XP2-GKDPB

XP2-GDPB



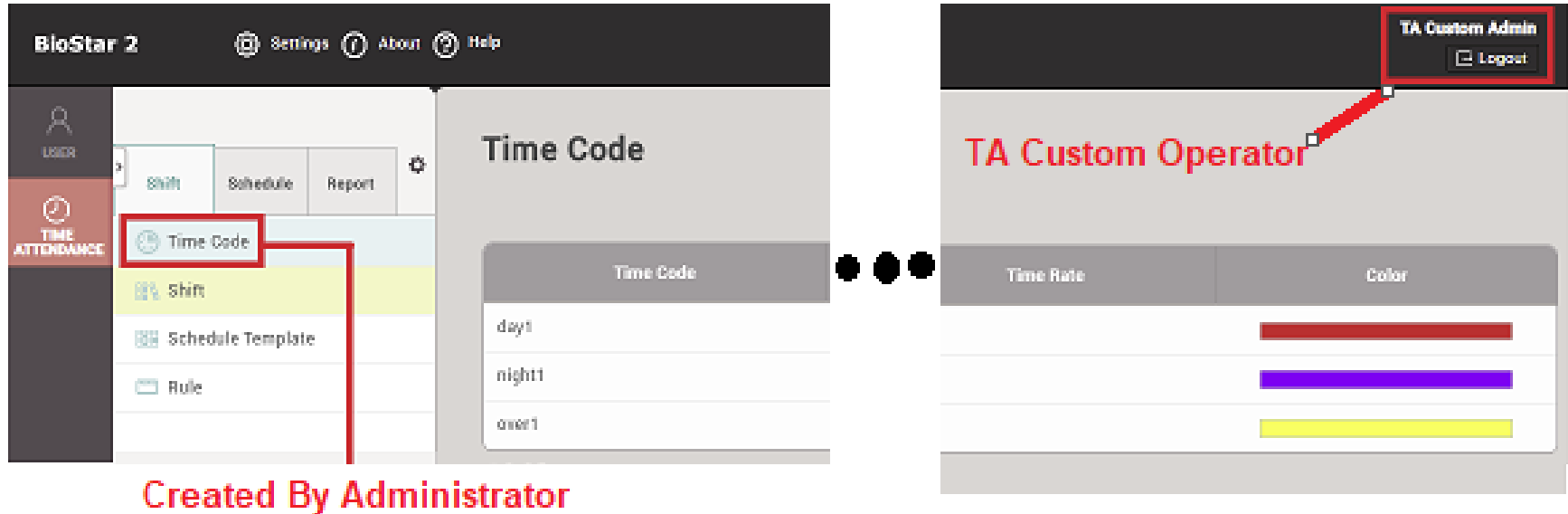
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# **New Features and Improvements**

## **Time & Attendance**

# Improved the Custom Level for T&A Management

- ❑ The custom admin user **CAN** check 'Time Code', 'Shift', 'Schedule Template', 'Rule' and 'Schedule' no matter which authority the user has.



~ v2.7.8

- **CANNOT** see any configuration created by other user

v2.7.10 ~

- **CAN** see configuration created by Administrator





# Improved the Custom Level for T&A Management

- ❑ If the custom admin user has only a specific User Group(or Device Group and etc), the user **CAN** check about the dedicated group data.
- ❑ As the below images, the custom admin user **CAN** check the users in the 'User Group A' in the Schedule.

The top-left screenshot shows the 'T&A Custom Admin Group A' configuration page. The 'User Group' dropdown is set to 'User Group A'. The 'Add User' section at the bottom shows 'T&A Custom Admin' added to the group. The top-right screenshot shows the 'Schedule1' configuration page. The 'User' section shows 'User Group A' selected, and the 'Added users' list includes 'User 2 (2)', 'User 3 (3)', and 'User 4 (4)'. The 'Administrator' user is also visible in the 'User in group' list.

The bottom-left screenshot shows the 'Schedule1' configuration page with the 'User' section expanded. The 'User Group A' group is selected, and the 'Added users' list shows 'User 4 (4)'. The bottom-right screenshot shows the 'All Users' list. The users 'User 4', 'User 5', and 'TA Custom Admin' are highlighted with red boxes, indicating they belong to 'User Group A'. A green arrow points from the 'User Group A' label to the 'User 4 (4)' entry in the 'Added users' list.

ID	Name	Email	Group
1	Administrator	-	All Users
2	User 2	-	All Users
3	User 3	-	All Users
4	User 4	-	User Group A
5	User 5	-	User Group A
6	User 6	-	User Group B
7	TA Custom Admin	-	User Group A

# Improved the Custom Level for T&A Management

- ❑ **CAN** manage 'Report Type', 'User Group', and 'Users' in the main Report Search Condition.
- ❑ **CAN** update T&A report with configured period by the same user.
- ❑ **CAN** see T&A device lists which the user has the authority to check.
- ❑ When clicking the T&A device from the registered list, the user **CAN** check T&A configuration on the device.
- ❑ **CANNOT** save the filter or modify the columns.
- ❑ **CAN** check the 'Sender Information' from the T&A setting page but **CANNOT** edit.

Date	Name	User ID	Department	Shift	Leave	In
2019/09/22	User 4	4	User Group A	Shift1	-	-
2019/09/23	User 4	4	User Group A	Shift1	-	-

Column Setting (disabled)

Save Filter (disabled)

Sender Information

Edit (disabled)

# Allow the Custom User Field to Be Used in the T&A Report

← Server

General

- BioStar IP Address: Any
- BioStar Port: 51212
- Session Timeout: 60 Min
- Log Upload:  Automatic
- Web Server Protocol:  HTTP  HTTPS

User/Device Management

- Automatic User Synchronization: All Devices
- Fingerprint Template Format: Suprema
- Enrollment Device: [Empty]
- Mobile Card Enrollment:  Inactive
- User ID Type: Number

Device ID	Device Name	Device Group	IP Address
Not found			

Order	Name	Type	Data
1	Birthday	Text Input Box	

- Delete personal & credential data when issuing an AOC:  Inactive
- AC event log storage duration:  Inactive 60 day(s)

← User 2 2/7

Information

- Name: User 2
- ID: 2
- Group: All Users
- Period: 2001/01/01 00:00 ~ 2030/12/31 23:59
- Operator Level: None
- Login ID: [Empty]
- Password: [Empty]
- Birthday: 1978/09/24
- Email: [Empty]
- Telephone: [Empty]
- Status:  Active
- Access Group: [Empty]

Credential

- PIN
- Auth Mode:  Device Default
- Credential:
- 1:1 Security Level:  Device Default



# Allow the Custom User Field to Be Used in the T&A Report

The screenshot shows the 'Report' configuration interface. On the left, a sidebar lists various report types, with 'Report' highlighted. The main area is titled 'Search Conditions' and includes fields for 'Name' (Daily Report), 'Report Type' (Daily), and 'User Group' (User). A 'Column Setting' button is highlighted with a red box and an arrow pointing to a dialog box. The 'Column Setting' dialog box shows a list of columns with checkboxes: 'Total Work Hours' (checked), 'Break Time', 'Over Break Time', 'Meal Time', 'Regular By Time Rate', 'Overtime By Time Rate', and 'Birthday' (checked). The 'Birthday' checkbox is highlighted with a red box. Below the list, there is a note: 'The position of the column can be moved to Drag & Drop.' At the bottom of the dialog are 'Apply' and 'Cancel' buttons.

## Daily Report

Date	Name	User ID	Department	Shift	Leave	In	Out	Exception	Regular hours	Overtime hours	Total Work Ho...	
2019/09/25	User 2	2	All Users	Shift1	-	-	-	Absence	0:00:00	0:00:00	0:00:00	1978/09/24
2019/09/25	User 3	3	All Users	Shift1	-	-	-	Absence	0:00:00	0:00:00	0:00:00	1970/04/03
2019/09/25	User 4	4	User Group A	Shift1	-	-	-	Absence	0:00:00	0:00:00	0:00:00	1980/12/24

# Sorting for the Entire Data in the T&A Report

**Daily Report** Data sorting: in alphabetical order

1 / 2 50 rows

Date	Name	User ID	Department	Shift	Leave	In	Out	Exception	Regular hours	Overtime hours	Total Work Ho...
2019/09/26	Abraham	2	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/25	Abraham	2	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/24	Abraham	2	All Users	ShiftTest1	-	04:14:36	10:08:14	Insufficient wor...	1:08:14	0:00:00	5:53:38
2019/09/23	Abraham	2	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/22	Abraham	2	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/21	Abraham	2	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/20	Abraham	2	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/19	Abraham	2	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/18	Abraham	2	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/17	Abraham	2	All Users	ShiftTest1	-	08:54:02	08:57:52	Insufficient wor...	0:00:00	0:00:00	0:03:50
2019/09/16	Abraham	2	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/15	Abraham	2	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/26	Julia	3	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/25	Julia	3	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/24	Julia	3	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/23	Julia	3	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00

Sorting rule is kept on the next page

**Daily Report**

2 / 2 50 rows

Date	Name	User ID	Department	Shift	Leave	In	Out	Exception	Regular hours	Overtime hours	Total Work Ho...
2019/09/24	Simon	4	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/23	Simon	4	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/22	Simon	4	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/21	Simon	4	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/20	Simon	4	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/19	Simon	4	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/18	Simon	4	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/17	Simon	4	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/16	Simon	4	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/15	Simon	4	All Users	ShiftTest1	-	-	-	Absence	0:00:00	0:00:00	0:00:00
2019/09/26	test	7	All Users	ShiftTest2	-	06:19:31	10:46:44	Insufficient wor...	0:00:00	0:00:00	4:27:13
2019/09/25	test	7	All Users	ShiftTest2	-	-	-	Absence	0:00:00	0:00:00	0:00:00



# 'All In/Out Punched' Option to Search Conditions of the Individual Report

## 1. Check In/Out Only

**Search Conditions**

**Filter Conditions**

- Name: Daily Report
- Report Type: **Individual** Column Setting
- User Group:   User: 2(Abraham)

**Report Period**

Custom ( 2019-09-17 ~ 2019-09-17 )  Start Date: 2019-09-17 End Date: 2019-09-17  Check In/Out Only  All In/Out Punches

**Daily Report**

Date	Name	User ID	Department	Shift	Leave	In	Out	Exception	Regular ho...	Overtime h...	Total Work ...
2019/09/17	Abraham	2	All Users	ShiftTest1	-	<a href="#">08:54:02</a>	<a href="#">08:57:52</a>	Insufficient wo...	0:00:00	0:00:00	0:03:50

Abraham ( 2 : All Users )

**Edit Punch Logs**

2019/09/17(Tue)

Punch Time	Punch Type	Device	Device ID	
2019/09/17 08:54:02	-	BioStation 2 546833028...	546833028	<input type="text"/>
2019/09/17 08:54:08	-	BioStation 2 546833028...	546833028	<input type="text"/>
2019/09/17 08:54:33	-	BioStation 2 546833028...	546833028	<input type="text"/>
2019/09/17 08:55:44	-	BioStation 2 546833028...	546833028	<input type="text"/>
2019/09/17 08:57:52	-	BioStation 2 546833028...	546833028	<input type="text"/>



# 'All In/Out Punched' Option to Search Conditions of the Individual Report

## 2. All In/Out Punches

**Search Conditions**

**Filter Conditions**

- Name:
- Report Type: **Individual**
- User Group:   User: 3(user3)

**Report Period**

Daily ( 2019-10-14 ~ 2019-10-14 )  Check In/Out Only  **All In/Out Punched**

### Daily Report

Date	Name	User ID	Department	Punch Type	Shift	In	Out	Exception	Regular hours	Overtime hours	Total Work Ho...	
user3 ( 3 : All Us...									-	0:00:04	0:00:00	0:00:04
user3 ( 3 : All ...									Insufficient wor...	0:00:04	0:00:00	0:00:04
2019/10/14	user3	3	All Users	None	shift1	<a href="#">10:32:51</a>	-					
2019/10/14	user3	3	All Users	Check Out	shift1	-	<a href="#">10:34:21</a>					
2019/10/14	user3	3	All Users	Check In	shift1	<a href="#">10:34:24</a>	-					
2019/10/14	user3	3	All Users	Check Out	shift1	-	<a href="#">10:34:28</a>					
2019/10/14	user3	3	All Users	Check In	shift1	<a href="#">10:34:31</a>	-					

**Edit Punch Logs**

2019/09/17(Tue)

Punch Time	Punch Type	Device	Device ID	
2019/09/17 08:54:02	-	BioStation 2 546833028...	546833028	<input type="button" value="edit"/>
2019/09/17 08:54:08	-	BioStation 2 546833028...	546833028	<input type="button" value="edit"/>
2019/09/17 08:54:33	-	BioStation 2 546833028...	546833028	<input type="button" value="edit"/>
2019/09/17 08:55:44	-	BioStation 2 546833028...	546833028	<input type="button" value="edit"/>
2019/09/17 08:57:52	-	BioStation 2 546833028...	546833028	<input type="button" value="edit"/>

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# **New Features and Improvements**

## **Visitor**



# Search for Visitors Using Fingerprints - in the Visit Application Page

Language English

## Welcome

For the first visit, please click the button below to register your visit.

First visit

If you have already visited, please fill in the information below.

Name

Phone Number

Or

Please scan fingerprint.

1 Accept Terms 2 Entry Information 3 Credential 4 Complete

### Registration Information

Visitor

Name  Telephone

Host

Name  Telephone

Entry Information

Zone

Period  -

Cancel Prev Next

1 Accept Terms 2 Entry Information 3 Credential 4 Complete

### Credential

Fingerprint

If you want to register a fingerprint, please click the first button.

Fingerprint
Fingerprint

Card  No request

Cancel Prev Next

Confirm **Visitor search succeed** X

Name : Nayeon Kwon  
Phone: 010-1111-2222  
Is it correct? Please check the information.

Yes No

Information **Visitor search failed** X

Could not find any existing visit information.

Ok



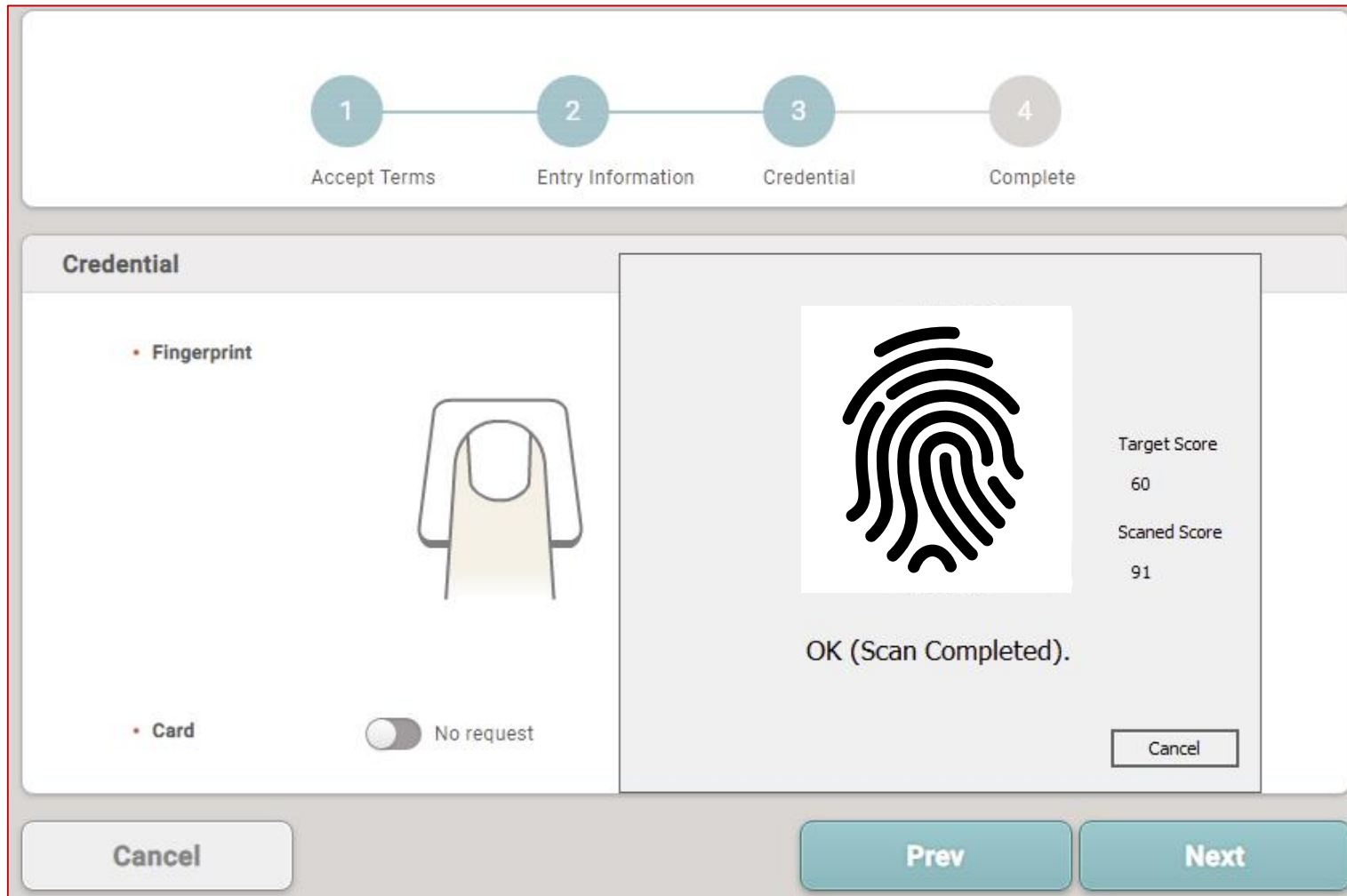
# Search for Visitors Using Fingerprints - in the Visitor Menu

The screenshot shows the BioStar 2 interface. At the top, there are navigation links for Settings, Port, About, and Help. The main area displays a summary of visitor statistics: Registered (0), Checked In (1), Checked Out (0), Total (1), and Personal Data Expired (0). Below this is a table of visitors with columns for Name, Telephone, Host Name, Host Telephone, Access Group, Start Date, Expiry Date, Allowed period for credential, Checked In, Checked Out, Update Date, and Status. A single visitor, Nayeon Kwon, is listed with a status of EXPIRED. A red box highlights the 'Search Visitor' button in the top left. Two red arrows point from this button to two separate dialog boxes: a 'Confirm Visitor search succeed' dialog and an 'Information Visitor search failed' dialog.

The screenshot shows the visitor registration form for Nayeon Kwon. The form is divided into several sections: Visitor, Host, Entry Information, and Credential. The Visitor section has fields for Name (Nayeon Kwon) and Telephone (010-1111-2222). The Host section has fields for Name (Laney Lee) and Telephone (010-3333-4444), with a table below showing a selection of Laney Lee. The Entry Information section has a dropdown for Access Group (Visitor Group) and a date range for Period (2019/09/24 19:24 - 2019/09/25 19:24). The Credential section has a toggle for Card (No request) and a fingerprint icon. At the bottom, there is a table for Card Data Format with columns for Type, Card Data Format, and Summary. The table shows a single row for Fingerprint. At the bottom right, there are buttons for Edit, Check In, and Cancel. A red box highlights the 'Check In' button, with a red arrow pointing to it from the text 'Just registered user (Not yet Check In)'. Below this, there are buttons for Edit, Check Out, and Cancel. A red box highlights the 'Check Out' button, with a red arrow pointing to it from the text 'Checked In user'.

# Supports the USB Fingerprint Scanner in Visitor Menu

- ❑ Supported – BioMini / BioMini Plus / BioMini Plus 2
- ❑ The USB Device Agent should be running in advance.



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# **New Features and Improvements**

## **API**

# New BioStar 2 API Swagger

## 1. BioStar 2 Local API vs New BioStar 2 API

	New BioStar 2 API	BioStar 2 Local API
Version	v2.7.10 ~	v2.3.0 ~ (Need to match BioStar 2 and Local API version) <b>** The latest version : v2.6.3</b>
Installation	<b>No installation</b>	Need to install Local API Server
License	<b>Not Required</b>	Required (Over Standard version)
Support Features	All features in BioStar 2 AC	Some features in BioStar 2 AC (Limitation)

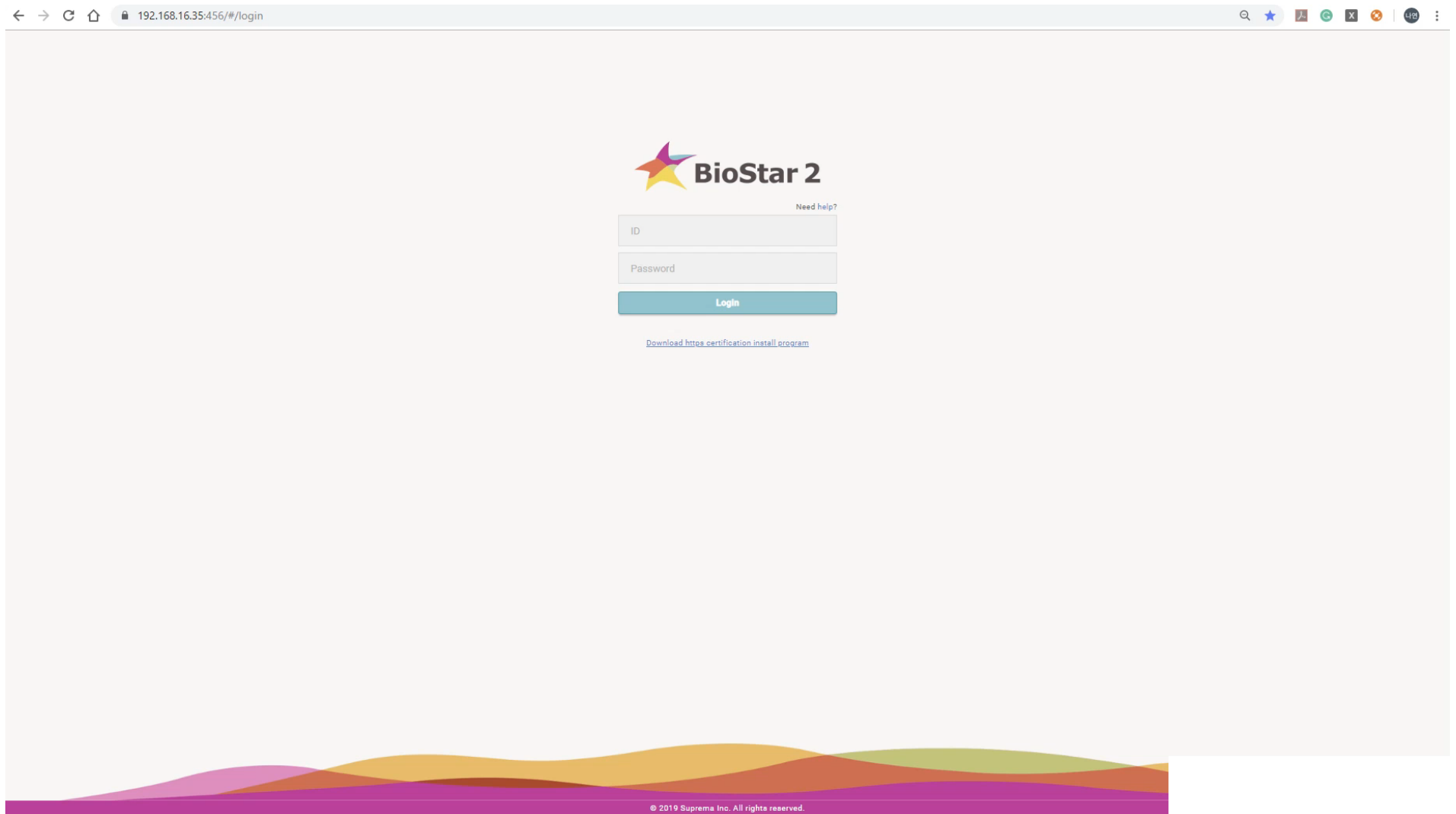
## 2. How to Access the New BioStar 2 API

The image displays two browser windows side-by-side. The left window shows the BioStar 2 login page at the URL `192.168.16.35:456/#/login`. The right window shows the Swagger API interface at the URL `192.168.16.35:456/swagger/index.html`. A yellow highlight in the right window shows the URL `https://[BioStar 2 address]/swagger/index.html`. The Swagger interface lists API endpoints such as `login` (POST `/api/login`) and `access_groups` (POST `/api/access_groups`).



# New BioStar 2 API Swagger

## 3. How to Use the New BioStar 2 API



The screenshot shows a web browser window with the address bar displaying "192.168.16.35:456/#/login". The page features the BioStar 2 logo, which consists of a multi-colored star and the text "BioStar 2". Below the logo is a "Need help?" link. The login form includes two input fields: "ID" and "Password", followed by a teal "Login" button. A link for "Download https certification install program" is located below the login button. The footer of the page contains the copyright notice "© 2019 Suprema Inc. All rights reserved." The browser's address bar also shows navigation icons (back, forward, refresh, home) and a search icon. The page has a light gray background with a decorative wavy pattern at the bottom.

# New BioStar 2 API Swagger

## 3. How to Use the New BioStar 2 API

**BioStar 2 API** 2.7.10

HTTP Header 'Content-Language' is used for language. ISO-639-1, ISO-639-3 values are supported.

Schemes: HTTPS

Authorize

Filter by tag

**login**

POST /api/login (1) Click the API

**BioStar 2 API** 2.7.10

HTTP Header 'Content-Language' is used for language. ISO-639-1, ISO-639-3 values are supported.

Schemes: HTTPS

Authorize

Filter by tag

**login**

POST /api/login

login user

Parameters

(2) Click the button 'Try it out'

Try it out

Name Description

body Get Session ID

(body) Example Value | Model

```
{
  "User": {
    "loginId": "admin",
    "password": "admin1234"
  }
}
```

(3) Enter the relevant values (login ID and PW)

Parameter content type: application/json

Cancel

Parameter content type: application/json

(4) Click the button 'Execute'

Execute

Responses

Response content type: application/json

curl

Request URL

https://192.168.19.35:4000/api/login

Server response

Code Details

200

Response body

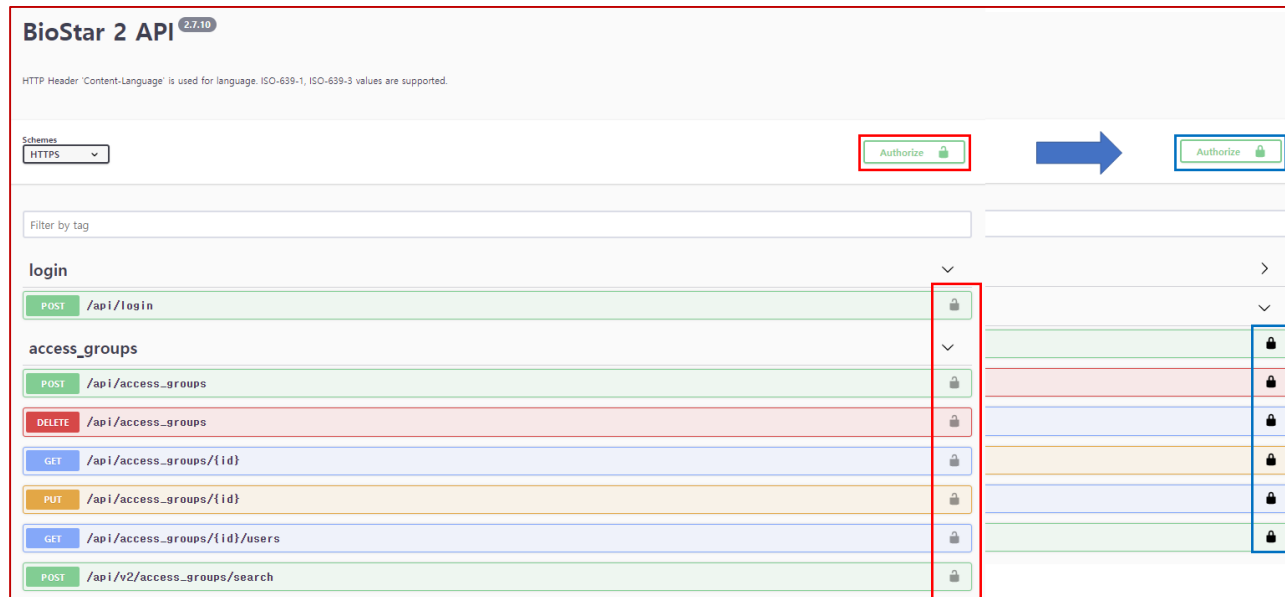
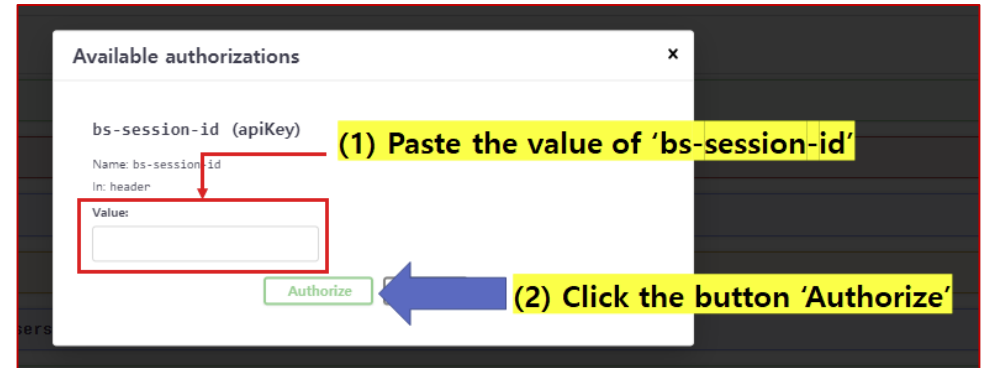
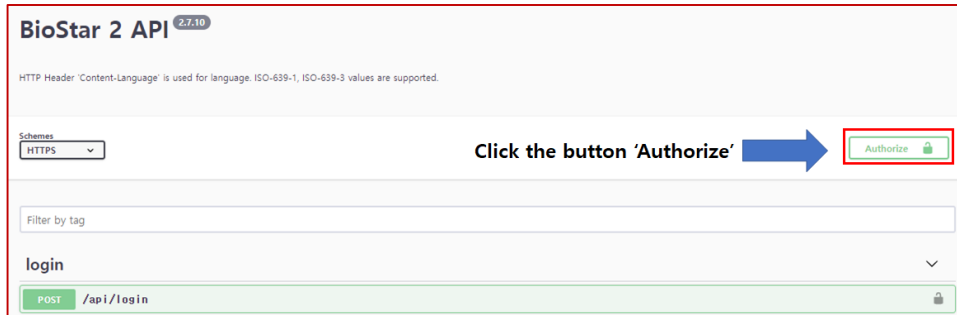
Copy the value of 'bs-session-id'

Response headers

```
bs-session-id: 1024611231714826f91bbac3bc070b1
server: nginx
content-type: application/json; charset=UTF-8
date: Thu, 03 Sep 2019 05:23:12 GMT
status: 200 OK
```

# New BioStar 2 API Swagger

## 3. How to Use the New BioStar 2 API





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# **New Features and Improvements**

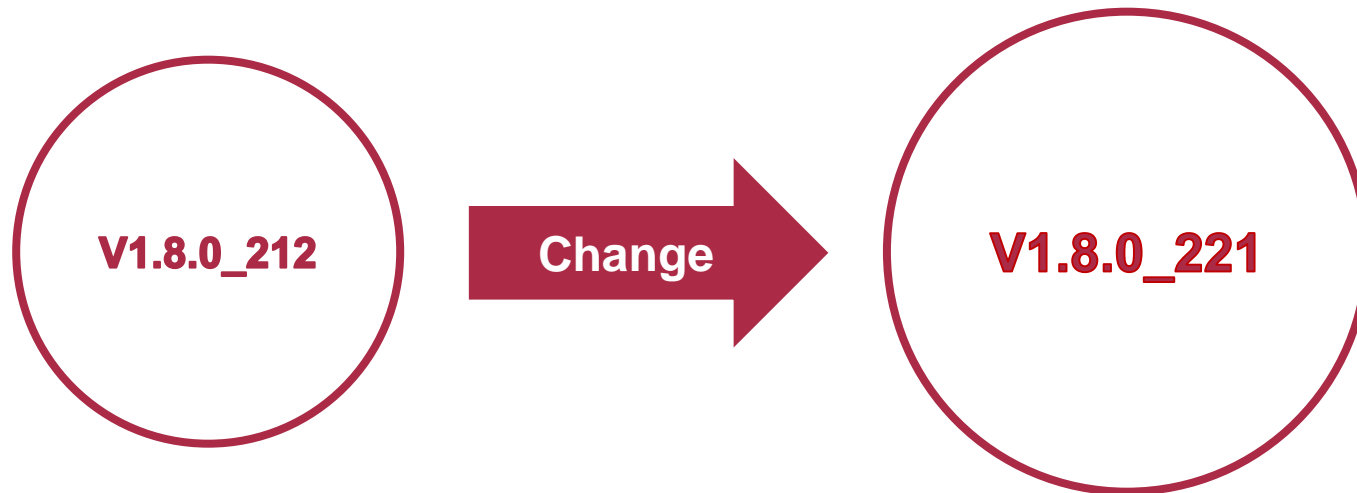
**Others**

## Others

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❑ Update the Resource Files - Japanese, Arabic, and Spanish

❑ Changes the Java Version



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**Q&A**

Is it true that no license is required to use the new BioStar 2 API?

- **YES.** But if you are using the BioStar 2 Local API server, then you still need the AC license over Standard version.

Does the new BioStar 2 API support real-time events?

- **NO.** You cannot check the Real-Time events through the new BioStar 2 API swagger directly as the real-time needs a web socket connection.

Can we use the mobile APP connection with the new BioStar 2 API?

- **NO.** You need to use the BioStar 2 Local API server if you do not use the Cloud.

Is the new BioStar 2 API required to work with Cloud service?

- **NO.** You can connect the new API swagger directly without the Cloud service.

Does the VISITOR menu support 'DE-620', 'webcam', 'document scanner' or 'BioMini Slim Series'?

- **NO.** The current VISITOR menu supports some of Suprema devices include USB fingerprint scanners; *BioMini*, *BioMini Plus*, *BioMini Plus 2*.

Does the VISITOR menu support 'Report' items?

- **NO.** But you can check the VISITOR status from the BioStar 2 VISITOR menu.

What kind of sensor can be used in the anti-tailgating feature?

- You can search **'tailgating sensor'** from online. Many of tailgating sensors are 3D sensors. Find a sample from the attached link. ([link](#))

Is the fingerprint/face duplication check supported in the BioStar 2 Device SDK?

- **NO.** We can add the fingerprint duplicate check feature in the future release but don't have any plan for face check yet.

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**THANK  
YOU!**