

Suprema Webinar

Possible Integration Options

Speaker

Nayeon Kwon

Technical Support Engineer | Suprema

Date: Thursday, May 7, 2020

Time: 08:00 AM (GMT+9), Seoul

YJ Jung

Technical Support Senior Engineer | Suprema

Date: Thursday, May 7, 2020

Time: 08:40 AM (GMT+9), Seoul

Suprema Webinar

Possible Integration Options – BioStar 2 API

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Technical Support Engineer | Suprema

Date: Thursday, May 7, 2020

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[CoreStation] All about CoreStation 📄

Created by: Kate Yu

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Suprema Webinar_01 : All about CoreStation

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

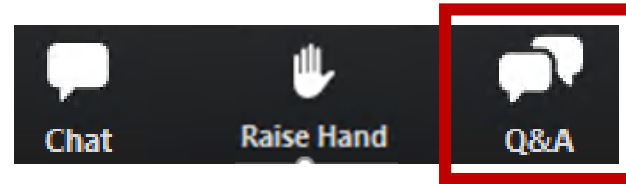
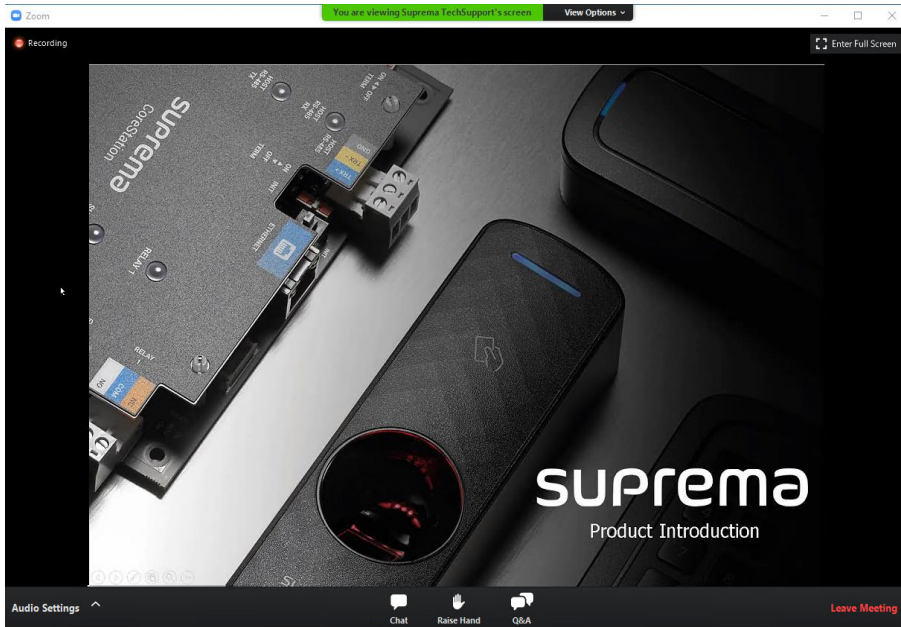
For more details about the webinar, please refer the below description, and download the attached presentation file.
(The recorded Video File: Click [here](#).)

What we covered in this webinar:

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

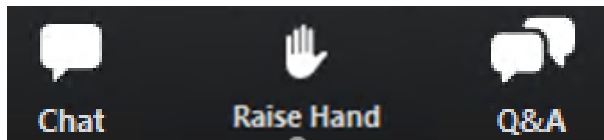
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1) [Q&A] Box for leaving your question

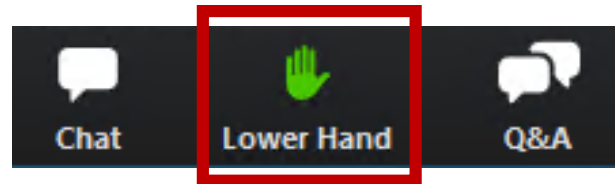
- ✓ During doing webinar, you can leave your questions to **QA box anytime.** Suprema agents in panels will answer in real time.



FAQ about Suprema Webinar

❖ How I inquiry during Webinar session?

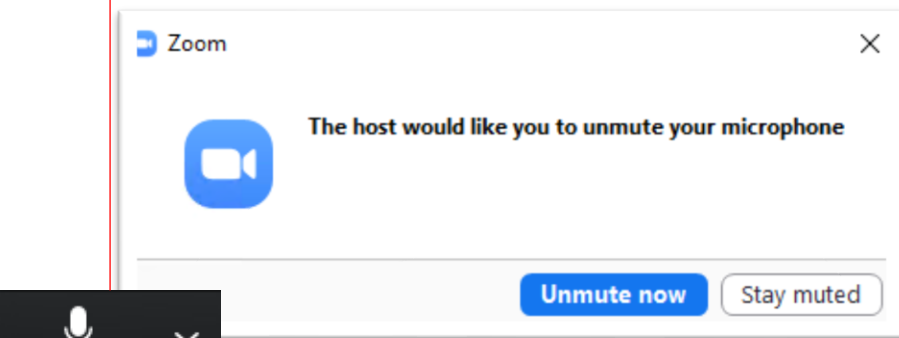
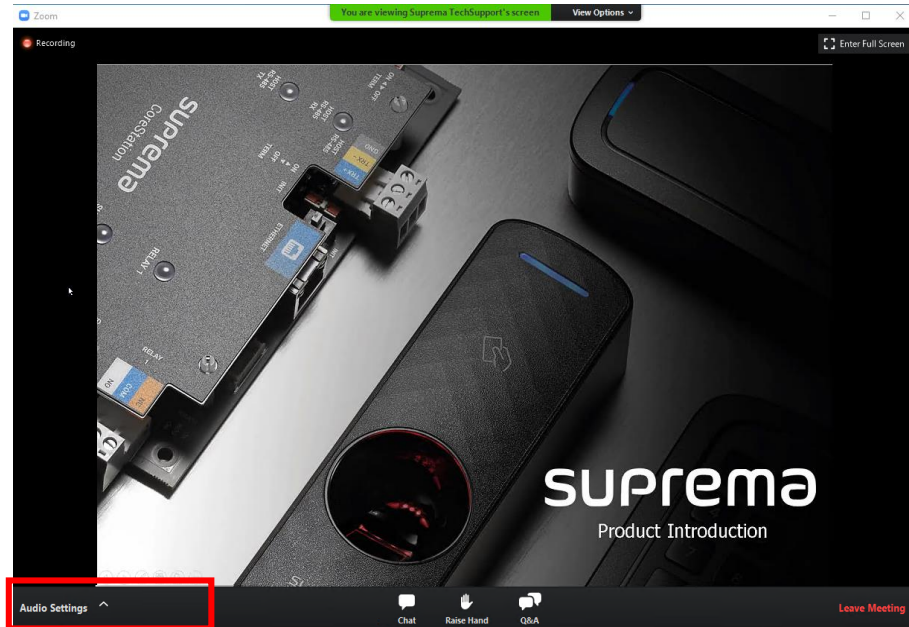
2) [Raise Hand] for Question Session



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

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

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

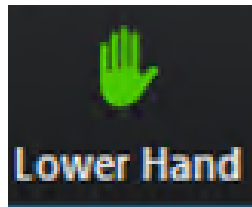
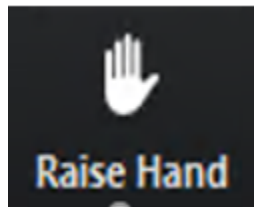


FAQ about Suprema Webinar

❖ How I inquiry during Webinar session?

Notification: Question Session

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



Contents

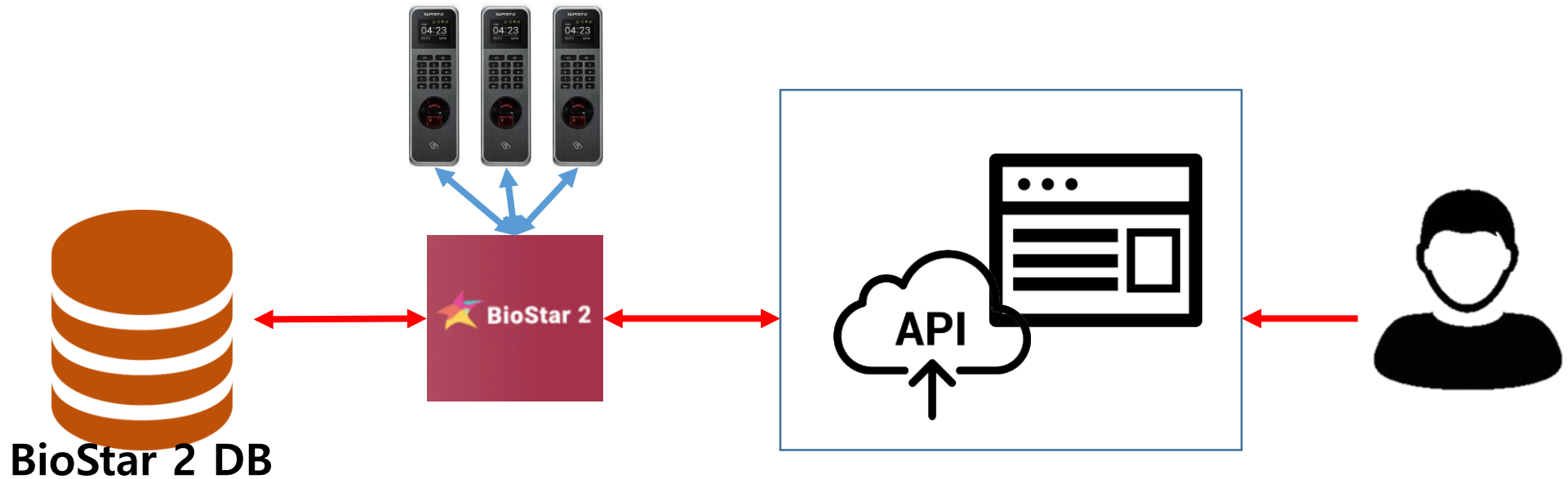
1. Understanding about BioStar 2 DB Structure
2. Comparison between BioStar 2 former Local API and BioStar 2 New Local API
3. Understanding about BioStar 2 API
 - What is BioStar 2 API?
 - When BioStar 2 API can it be used?
4. How to use BioStar 2 New Local API
5. FAQ about BioStar 2 New Local API

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Understanding about BioStar 2 DB Structure

Why BioStar2 DB Structure Understanding



Understanding about BioStar 2 DB Structure

Table name	Description
T_USRCRD	Assigned User Cards
T_CRDISSHIS	History of Issued Cards
T_CRD	Card Information
T_ALMEVT $yyyymm$	Trace of log alarm
T_USRGR	User Group Information
T_USR	User Information
T_LG $yyyymm$	Log Information
T_USRPHOTO	User Profile Photo Information
T_LGTBIDX	Index & Information of Log Tables
T_USROPRMD	User Private Authentication Mode
T_EVTTYP	Event Type
T_USRUDTBYDEV	Graphic map Element(like Door, Zone and etc) Type



Understanding about BioStar 2 DB Structure

T_Lgyyyymm: Log information

Column	Data Type	Key	Description
EVTLGUID	D_UNQID – INT	PK	Unique event log ID
SRVDT	D_DT – DATETIME		Date/time saved in the server
DEVDT	D_DEVDT – INT		Date/time of the event (Unix Timestamp)
DEVUID	D_UNQID – INT		Device ID which the event was occurred in
PKTDEVID	INT		Device ID which sent the event to the server
DEVLGIDX	DECIMAL (38,0)		Index of the event in the device
IMGLGUID	CHAR(32)		TBD
USRID	D_USRID – CHAR(32)		'User ID': When authenticated by the corresponding user 'Card number': When card authentication failed with the corresponding card '0' = When access denied or authentication failed by unknown user or card
EVT	INT		Type of event
CRDSL	INT		Card slot
TNAKEY	INT		TBD



Understanding about BioStar 2 API

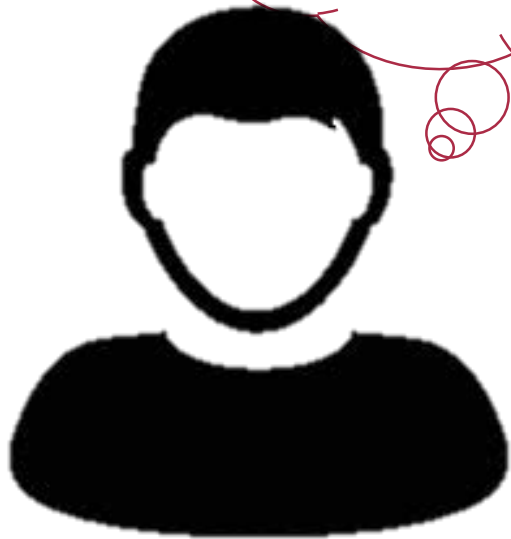
Introduction of the API

API

Application Programming Interface

Understanding about BioStar 2 API – What is API?

I want to get **user information** from BioStar 2.



User info



User data



BioStar 2 API

User info

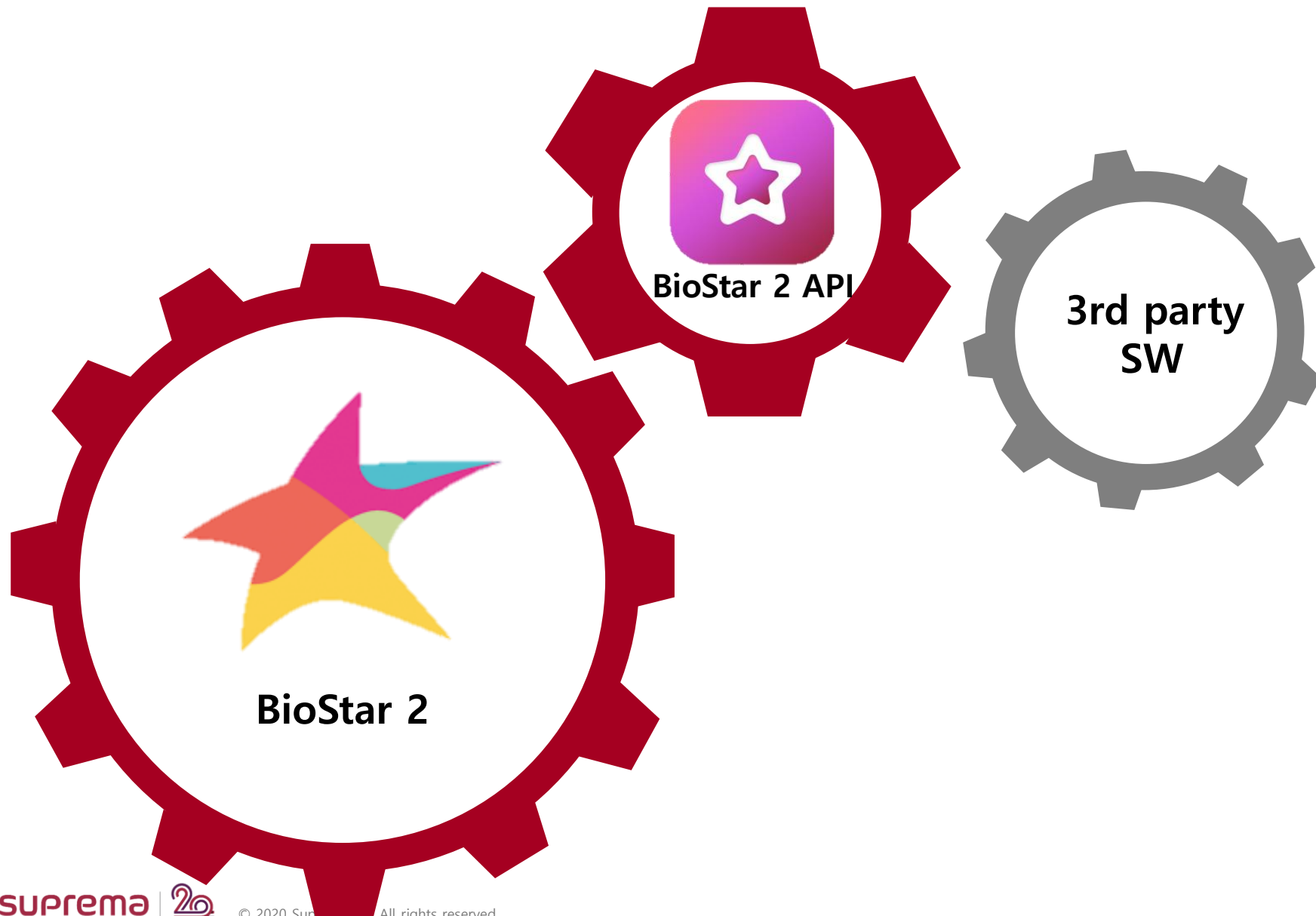


User data

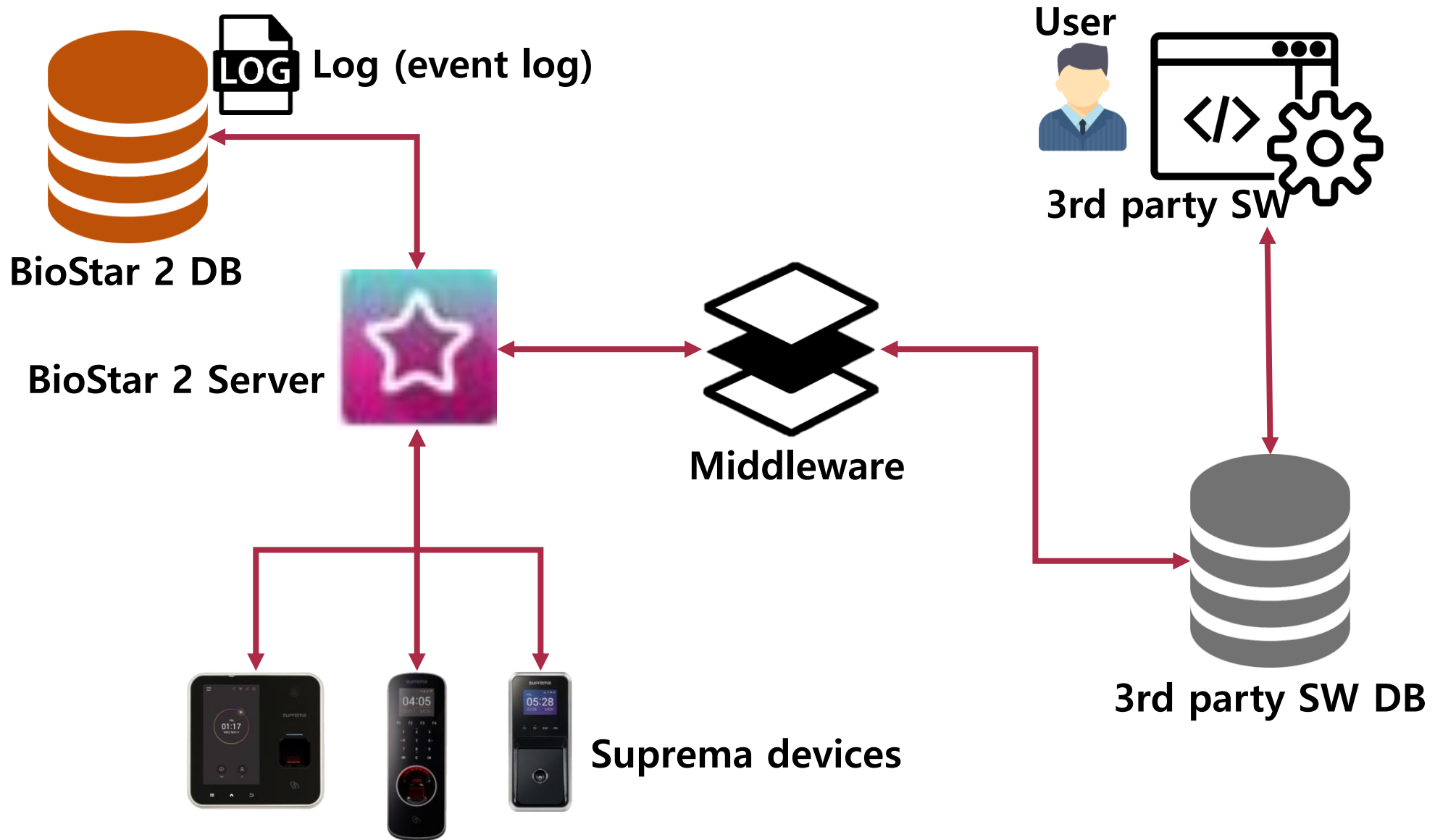


BioStar2 Server

Understanding about BioStar 2 API – When BioStar 2 API can it be used?



Understanding about BioStar 2 API – When BioStar 2 API can it be used?



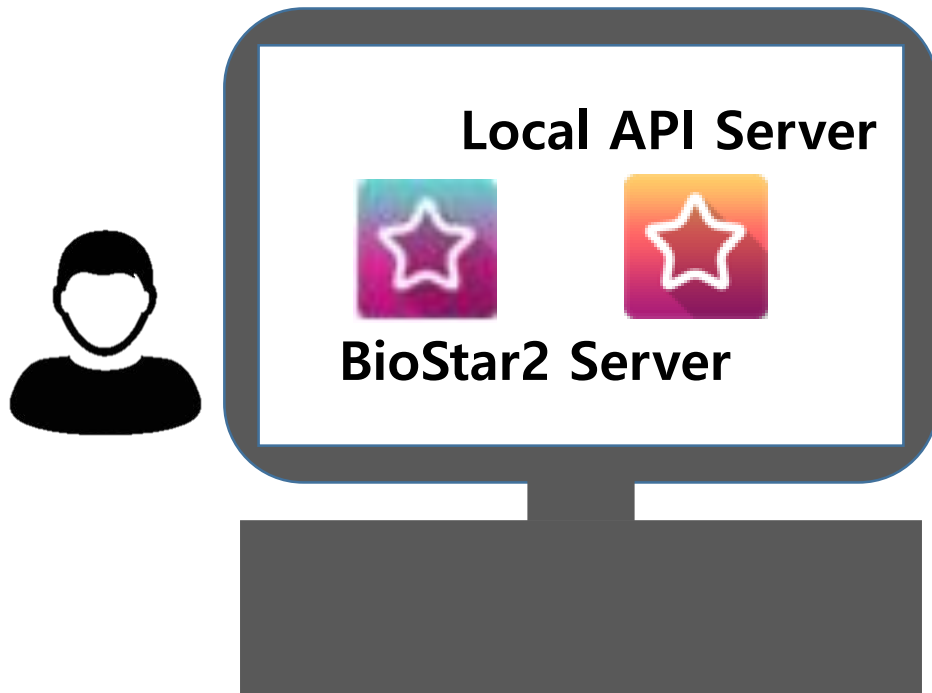
Comparison between BioStar 2 former Local API and BioStar 2 New Local API

Comparison between BioStar 2 former Local API and BioStar 2 New Local API

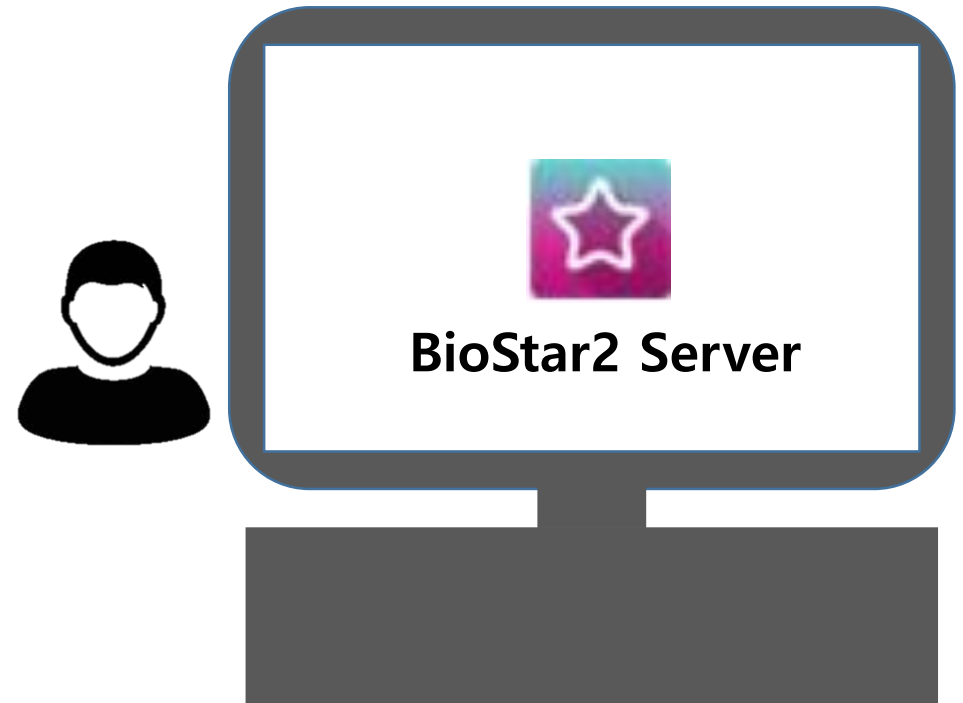
Version of BioStar 2	Under BioStar 2.7.10	From BioStar 2.7.10
Development Environment	BioStar 2 Local API Server with BioStar 2	BioStar 2.7.10 or higher version
Available API	BioStar 2 Local API	BioStar 2 New Local API
Required License of BioStar 2	Standard License (Access control)	Free of Charge
Controllable features via API	Device, Device group, Door, Door group, User, User group, Monitoring	Device, Device group, Door, Door group, User, User group, Monitoring, Trigger&Actions, Elevators, Elevator group, Floor levels

Comparison between BioStar 2 former Local API and BioStar 2 New Local API

Before



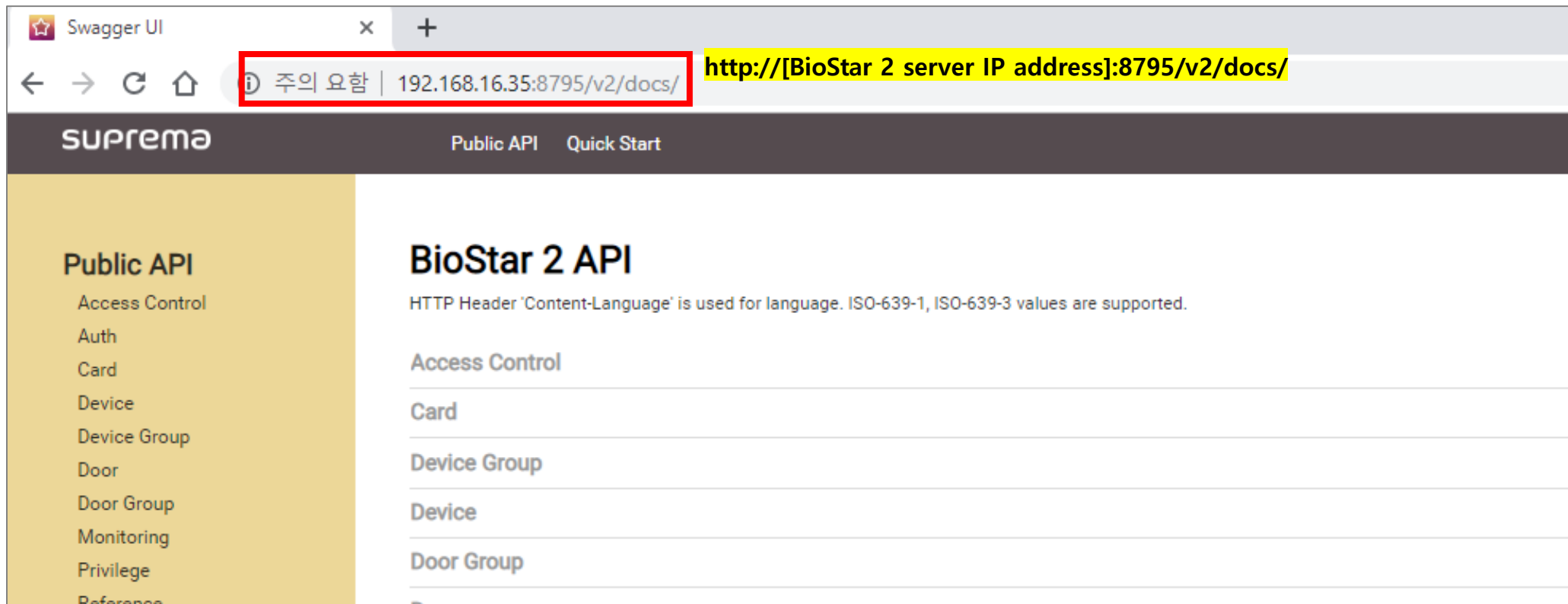
Now



BioStar2 Server

Local API Server

Comparison between BioStar 2 former Local API and BioStar 2 New Local API



The screenshot shows a web browser window with the Swagger UI for the BioStar 2 API. The browser's address bar displays the URL `http://[BioStar 2 server IP address]:8795/v2/docs/`, which is highlighted in yellow. A red box highlights the text `주의 요함 | 192.168.16.35:8795/v2/docs/` in the browser's status bar. The Swagger UI header features the 'suprema' logo and navigation links for 'Public API' and 'Quick Start'. The left sidebar, titled 'Public API', lists various API endpoints: Access Control, Auth, Card, Device, Device Group, Door, Door Group, Monitoring, Privilege, and Reference. The main content area is titled 'BioStar 2 API' and includes a note about the 'Content-Language' header. Below this, a list of API endpoints is shown, including 'Access Control', 'Card', 'Device Group', 'Device', and 'Door Group'.

Swagger UI

← → ↺ 🏠 ⓘ 주의 요함 | 192.168.16.35:8795/v2/docs/ `http://[BioStar 2 server IP address]:8795/v2/docs/`

suprema Public API Quick Start

Public API

- Access Control
- Auth
- Card
- Device
- Device Group
- Door
- Door Group
- Monitoring
- Privilege
- Reference

BioStar 2 API

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

Access Control

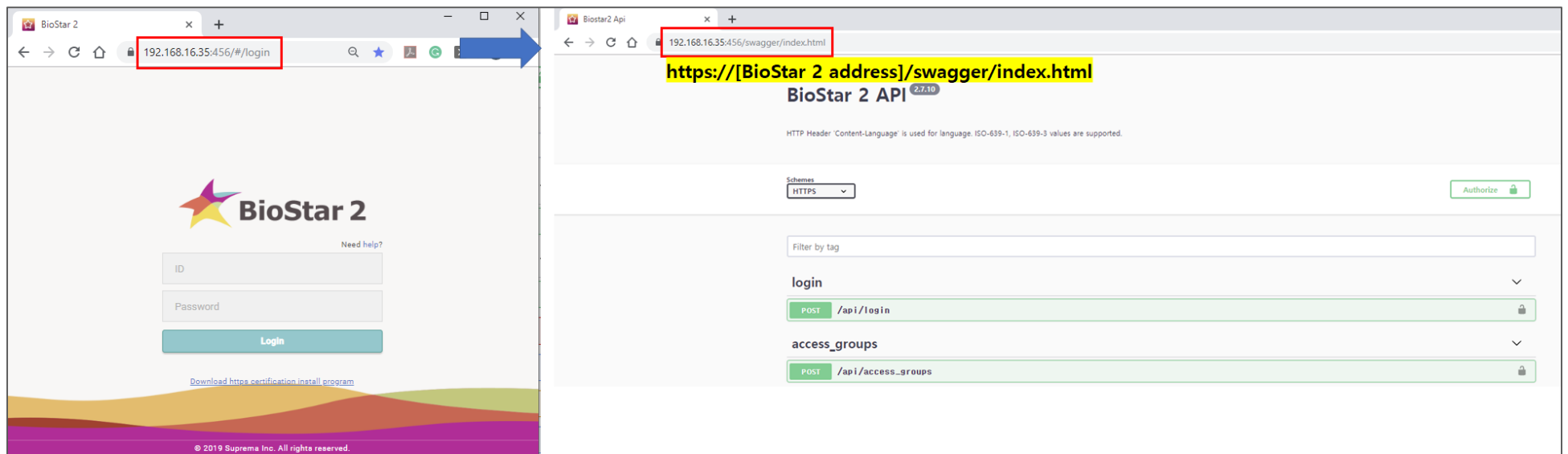
Card

Device Group

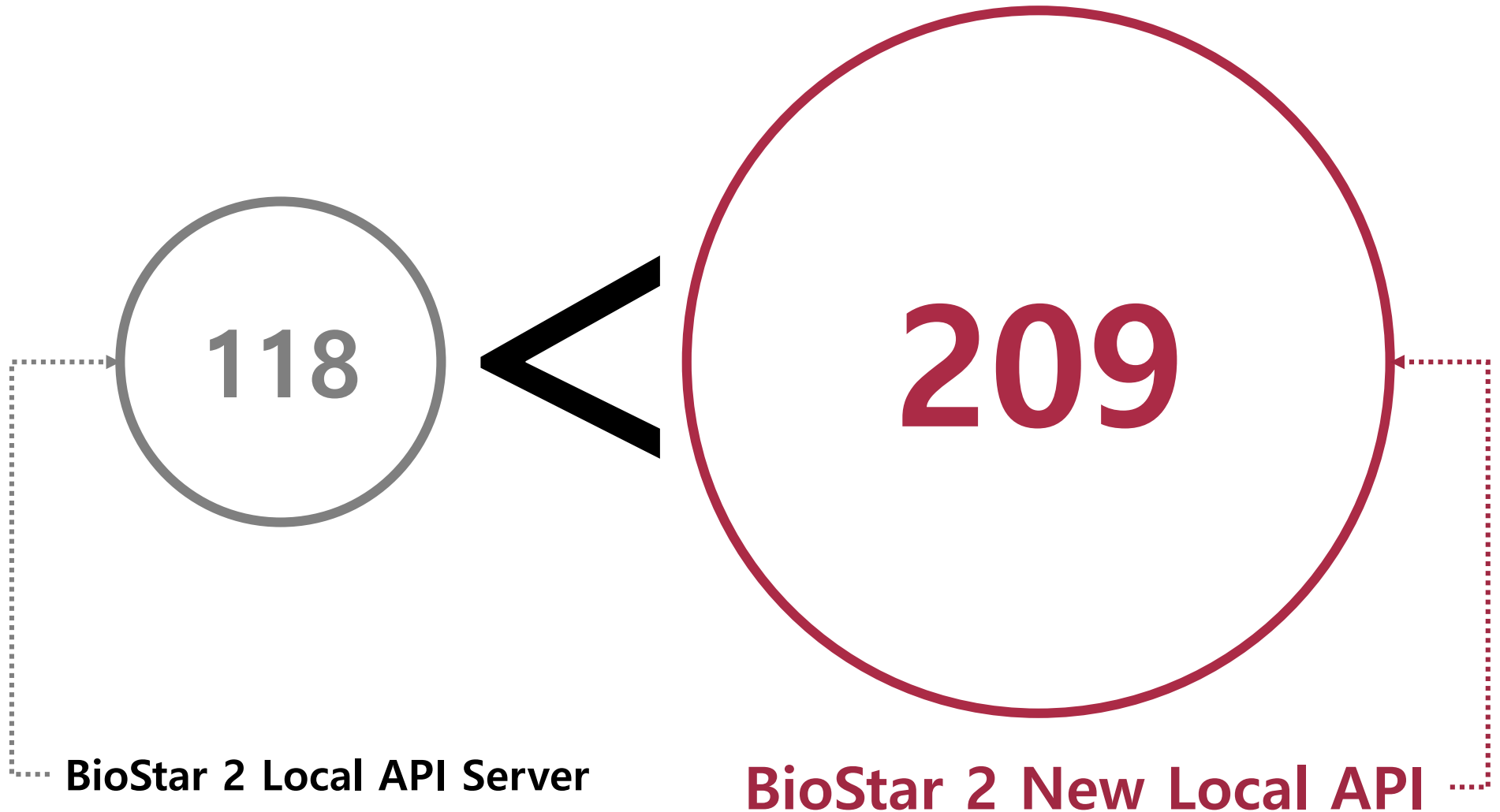
Device

Door Group

Comparison between BioStar 2 former Local API and BioStar 2 New Local API



Comparison between BioStar 2 former Local API and BioStar 2 New Local API



How to use BioStar 2 New Local API

How to use BioStar 2 New Local API – What is Swagger?

BioStar 2 API 2.7.11

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

access_groups

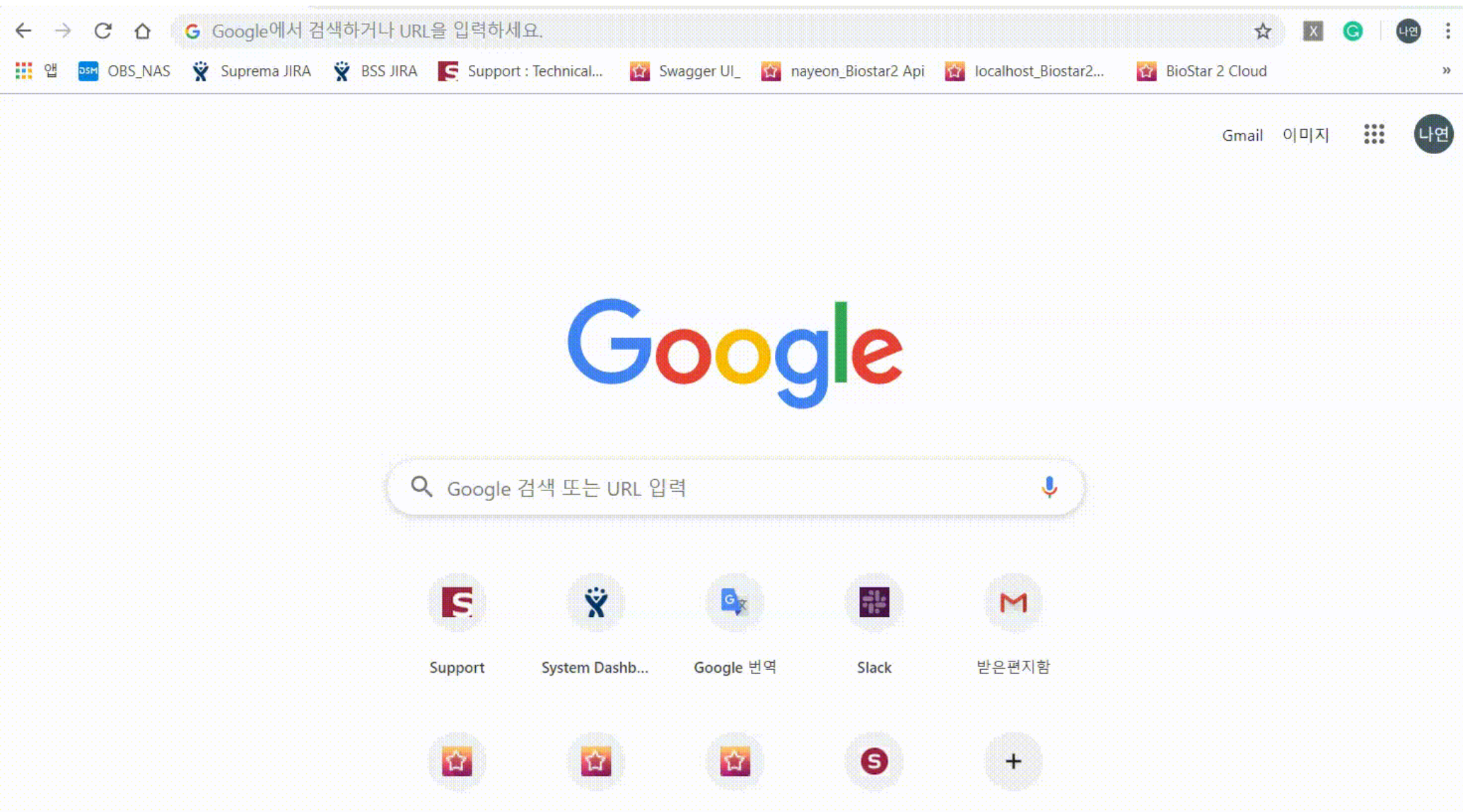
POST /api/access_groups

DELETE /api/access_groups

GET /api/access_groups/{id}

PUT /api/access_groups/{id}

How to use BioStar 2 New Local API – How to access Swagger UI



How to use BioStar 2 New Local API – How to login using Swagger UI

How to use BioStar 2 New Local API – Introducing methods operating API

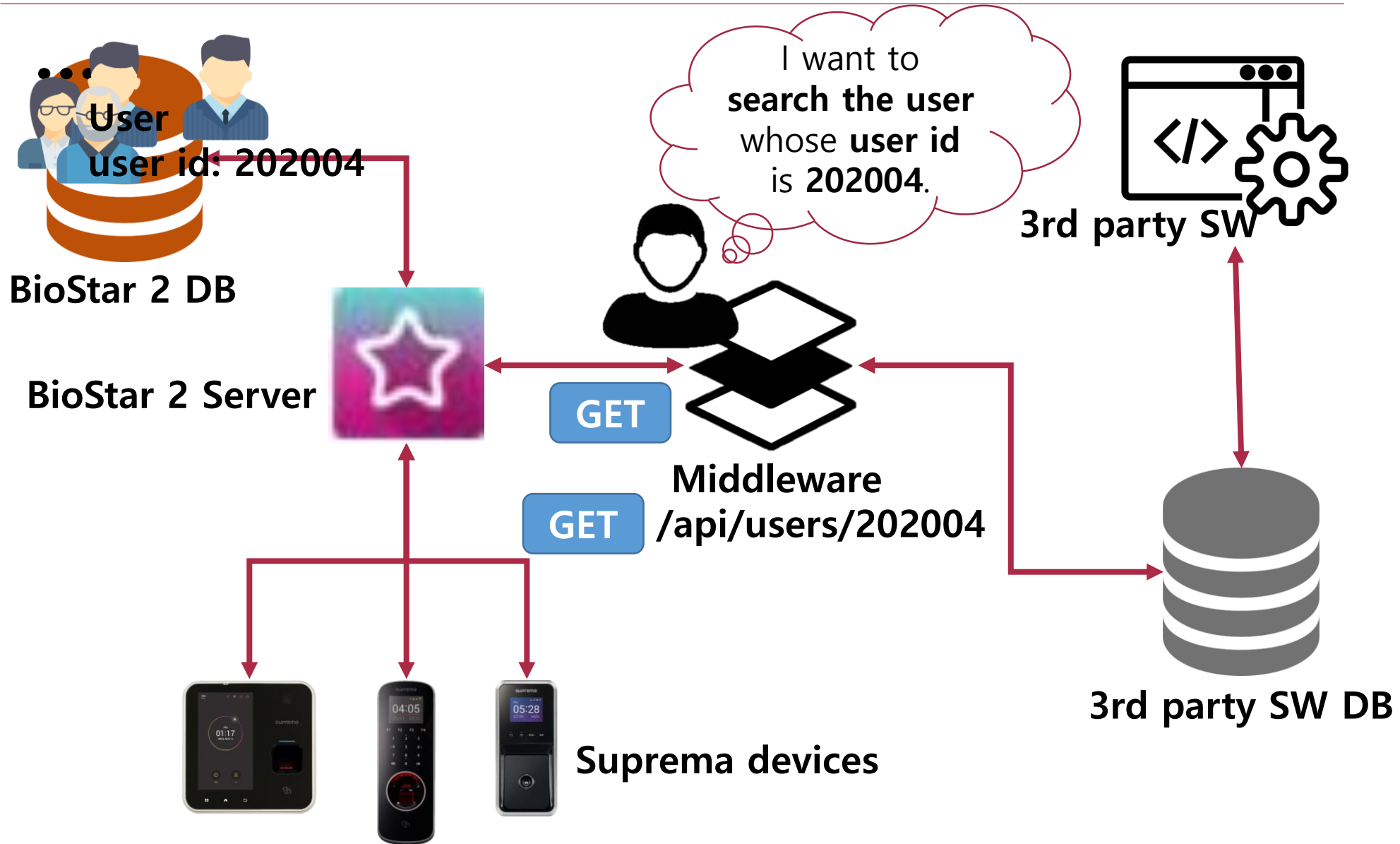
POST

GET

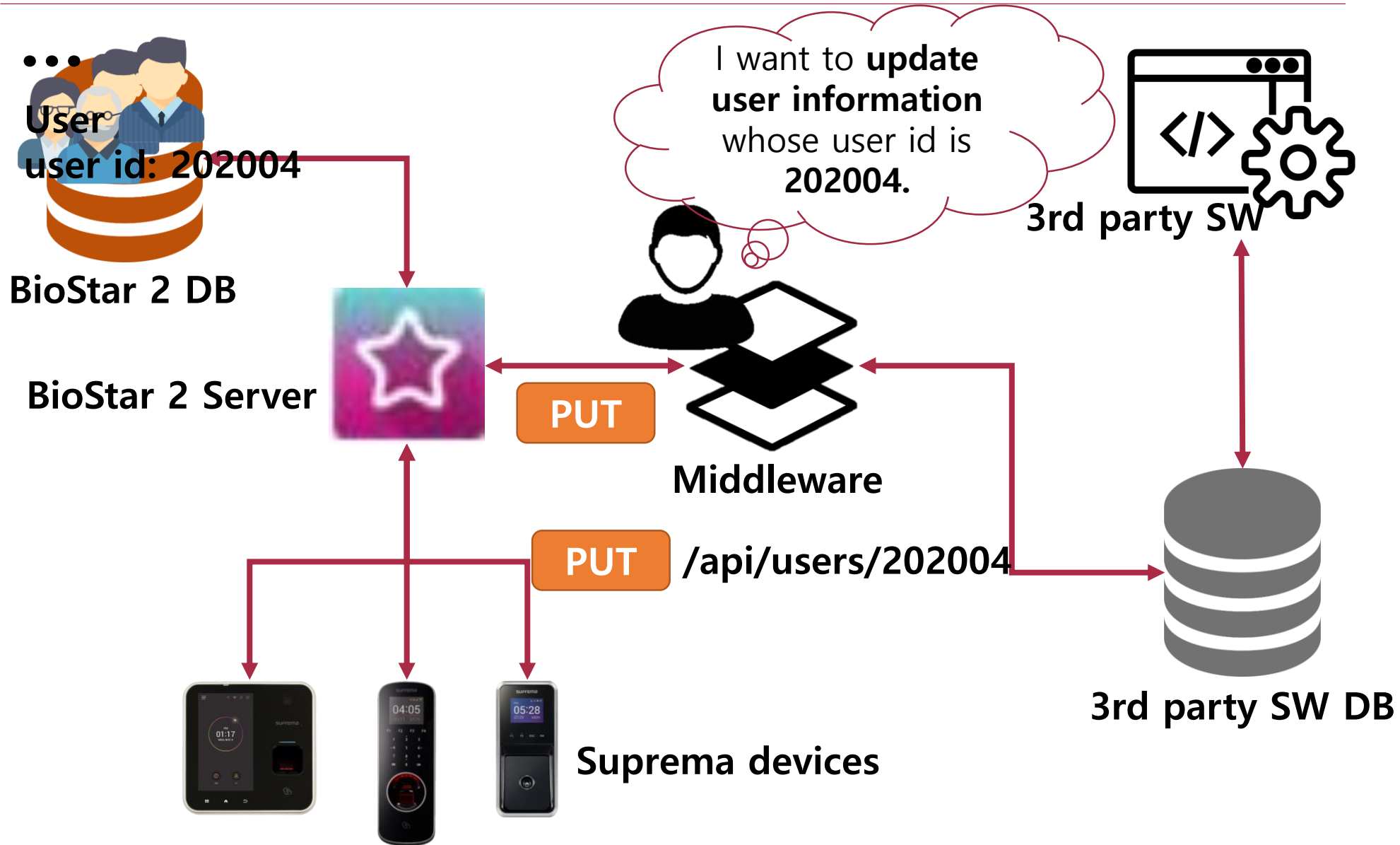
DELETE

PUT

How to use BioStar 2 New Local API – How to get user information

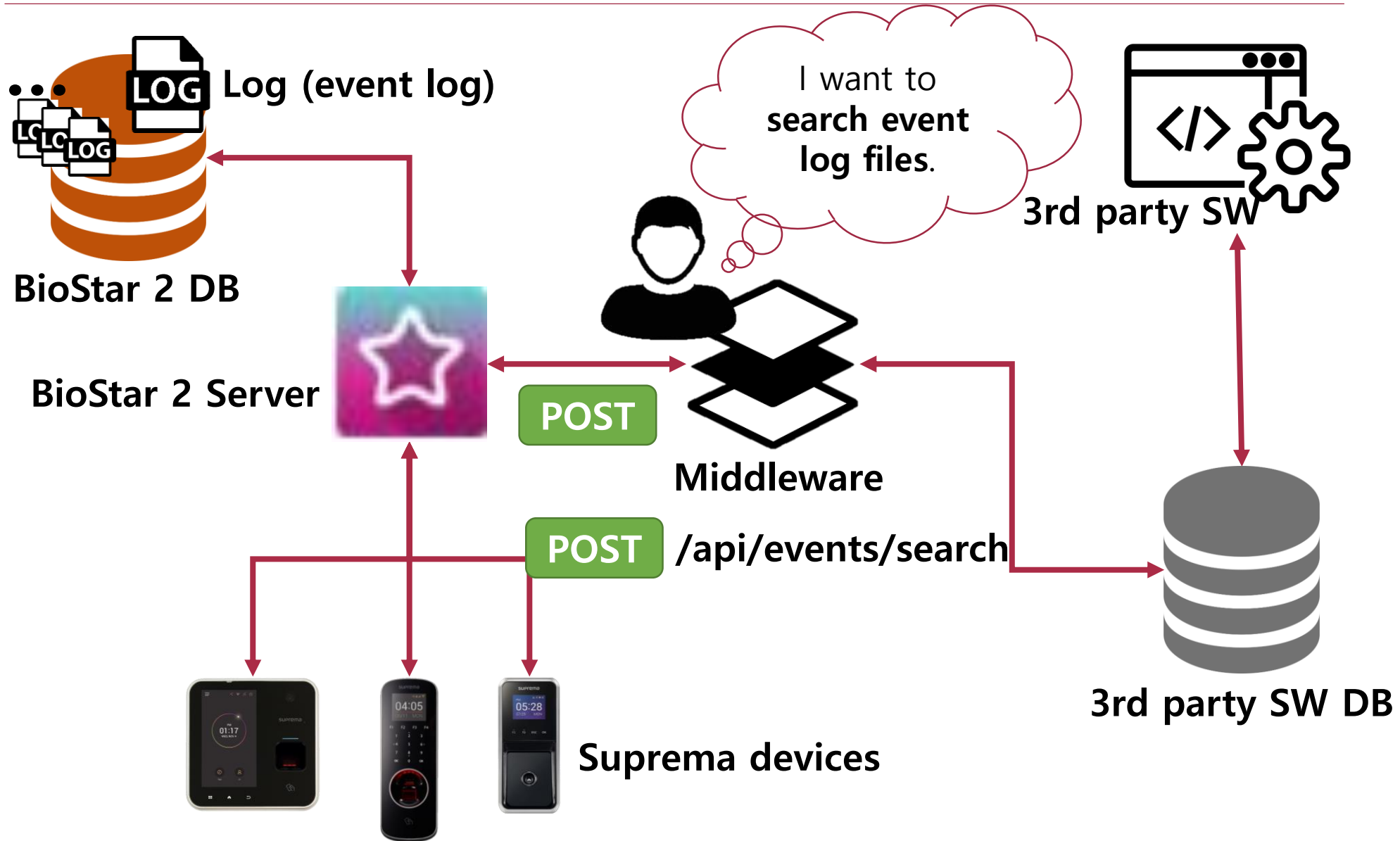


How to use BioStar 2 New Local API – How to update a user using Swagger UI



How to use BioStar 2 New Local API – How to retrieve and update a user using Swagger UI

How to use BioStar 2 New Local API – How to get logs using Swagger UI



How to use BioStar 2 New Local API – How to get logs using Swagger UI

To get log data in accordance with the time period, please set “3” of “operator” in Log API.

Operator

EQUAL : 0, // Search the log data with same value

NOT_EQUAL : 1, // Search the log data with except the value

CONTAINS : 2, // Search the log data with including value

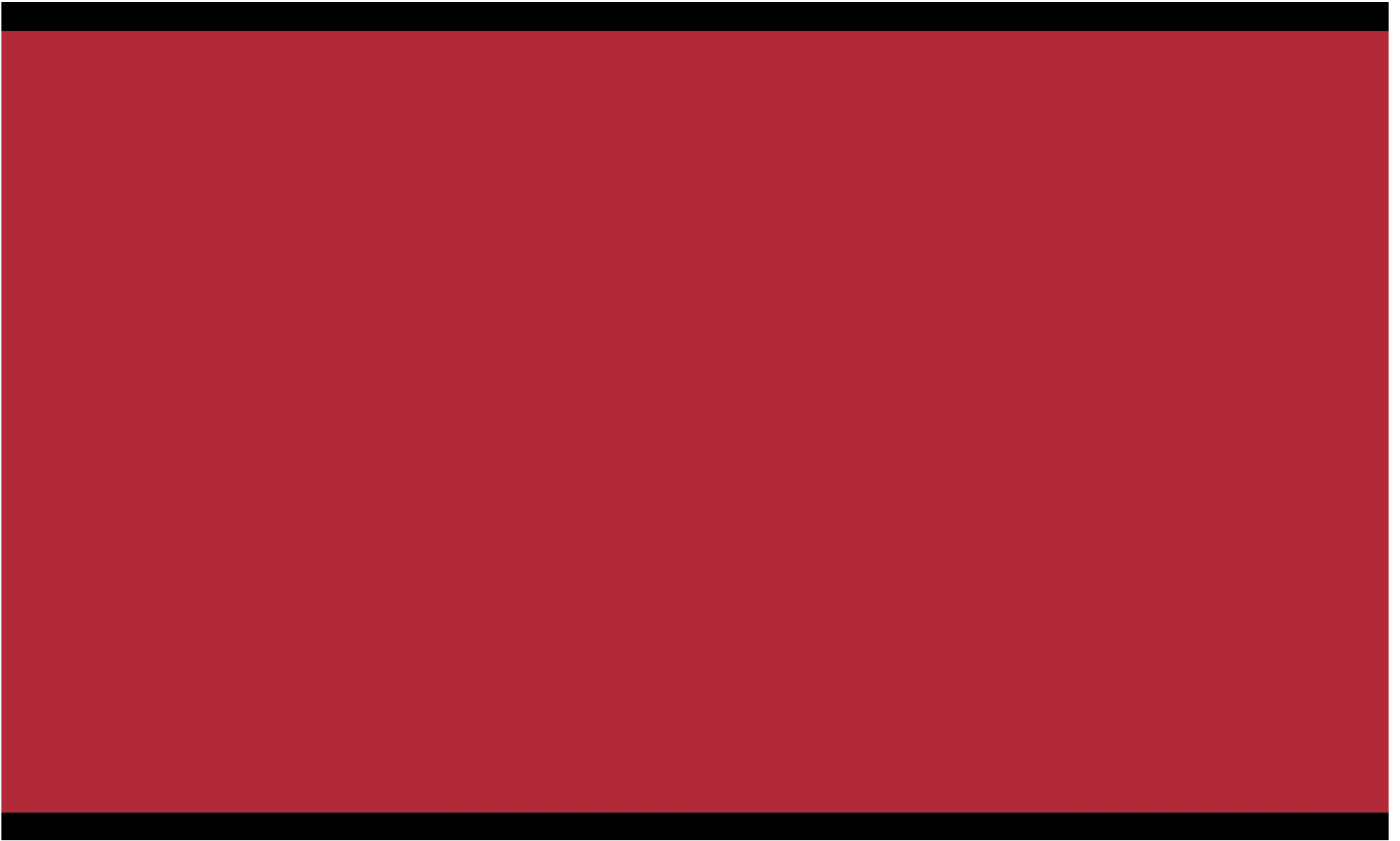
BETWEEN : 3, // Search the log data between the start date/time and the end date/time

LIKE : 4, //Search the log data the partial of the value

GREATER : 5, //Search log data from the lager than the value

LESS : 6 // Search log data from the less than the value

How to use BioStar 2 New Local API – How to retrieve event logs using Swagger UI

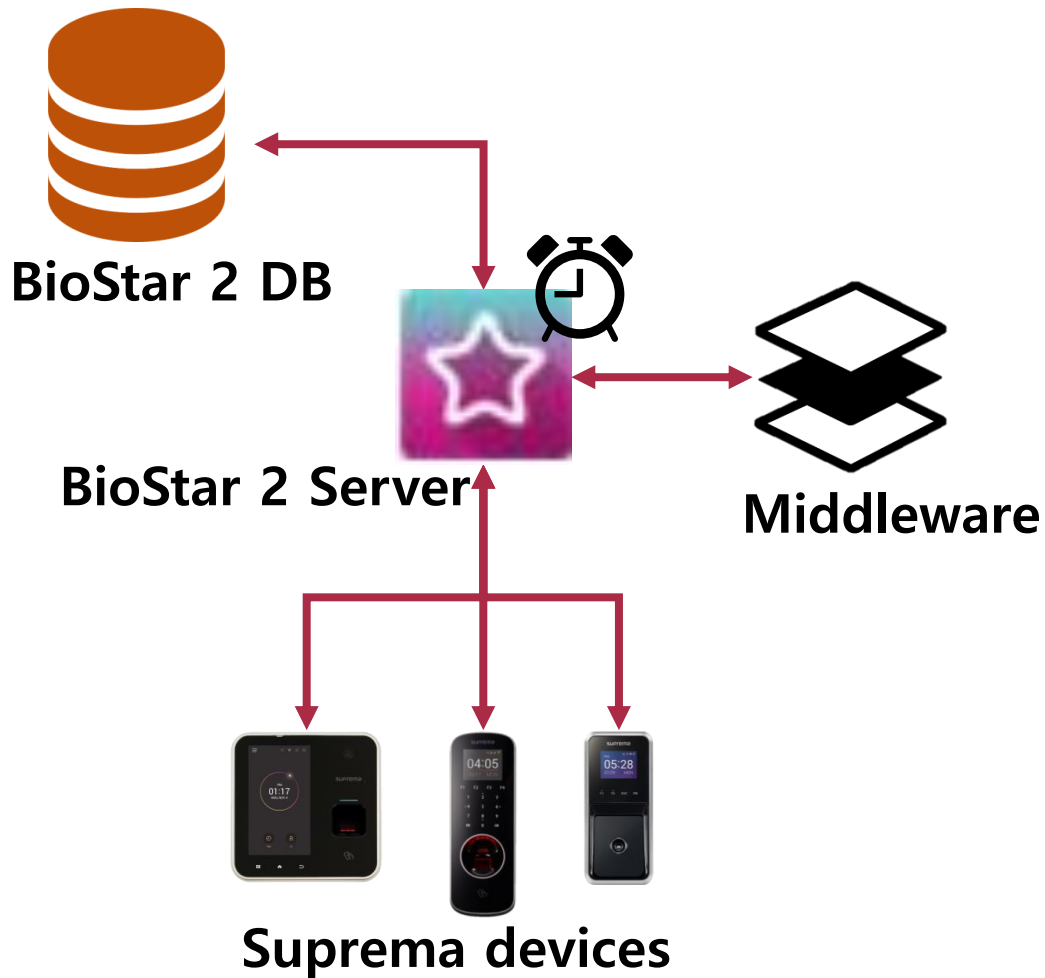


How to use BioStar 2 New Local API – using Postman

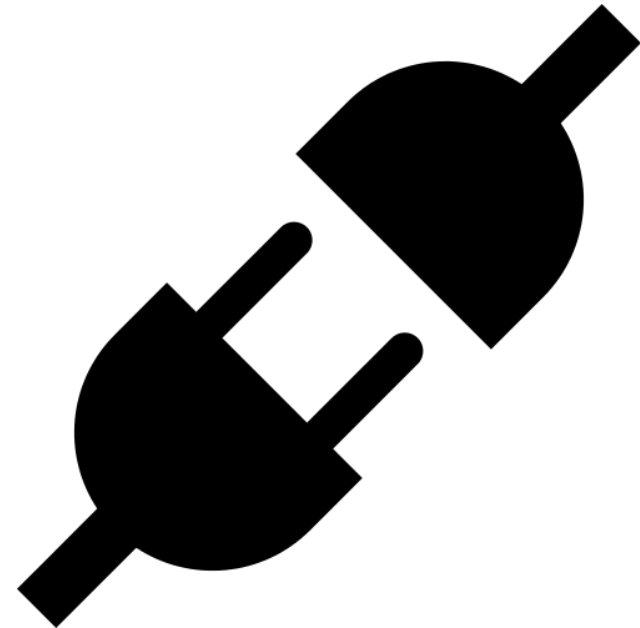


How to use BioStar 2 New Local API – using Postman

How to use BioStar 2 New Local API – Method of Realtime Monitoring



through WebSocket



FAQ about BioStar 2 New Local API

License cost

- BioStar 2 New Local API is free of charge. If you would like to use BioStar2 Local API Server, you should have BioStar 2 AC license like before.

Existing BioStar2 Local API Server users

- It is possible to use Local API with recent BioStar 2. Also, you can use both Local API and New API.

Switching Local API Server to BioStar 2 New Local API

- **YES.** But if you want to use New Local API, then it requires an additional translation process because they have different parameter structures between Local API server and New Local API.

Getting logs in real time: Using WebSocket

- You can use WebSocket method like before. If you want to check for Real-time logs using WebSocket, please refer to the article which we released in [Suprema technical support site](#).

BioStar 2 Mobile APP

- **NO.** Unfortunately, it is not possible to use BioStar 2 mobile app with BioStar 2 New Local API.
Since BioStar 2 Mobile APP is using with BioStar 2 Local API Server former.
Therefore, if you want to use the mobile app, you can use it through Local API Server former.

A large, rounded square with a maroon background and a white border. The text "Q&A" is centered in white, bold, sans-serif font.

Q&A

Thank you!