New Features in BioStar 2.4

February 2017
Ethan Kim

suprema

Contents

Introduction

BIOSTAR 2.4

General

- Date Preference
- USB Card Reader
- Secure Communication
- Oracle DB

AC Features

- Custom Operator
- Alphanumeric ID
- Device Trigger & Action
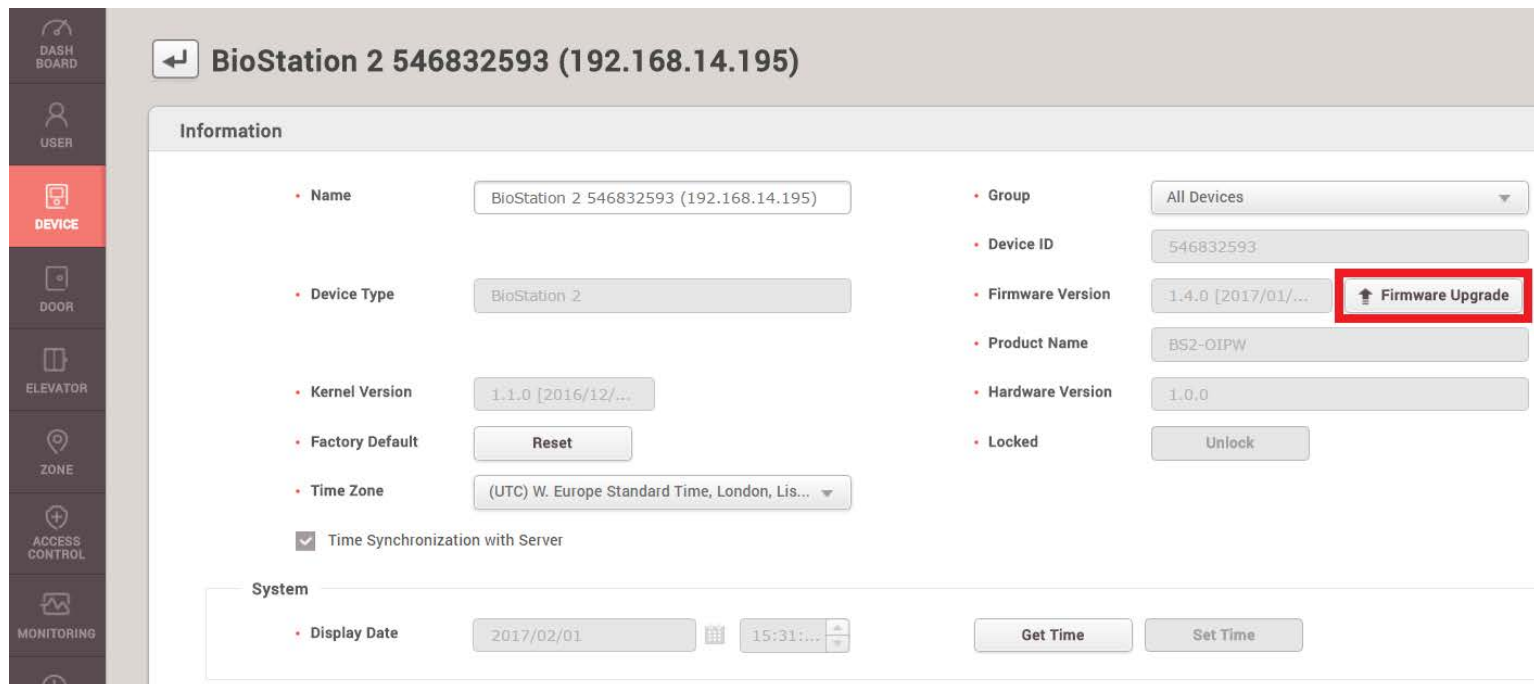- Elevator (OM-120)

T&A/Mobile Features

- T&A PDF Report
- T&A Column Setting
- Temp Schedule Batch Edit
- Profile Icon

Upcoming Features

- FaceStation 2
- Video Integration
- NFC Mobile App
- MS SQL
- Performance Improvement

Introduction

- Upgrade firmware to use new features
- Firmware included in installation package
- Attempting to use new features with old firmware will create a popup warning
- Check Help > BioStar 2 Overview > Versions

* Upgrade process from old version 2.0 > 2.2.1 > 2.3 > 2.4

4

Date Preference

- Setting > Preference

- Date Format Options:　　　Time Format Options:
    - YYYY/MM/DD　　　　　- HH:MM
    - MM/DD/YYYY　　　　　- HH:MM A
    - DD/MM/YYYY　　　　　- A HH:MM
        　　　　　　　　　　　* **A** format shows AM / PM

USB Card Reader

- DUALi DE-620
    - CSN Support: Mifare, Desfire, Felica, NFC
    - Smart Card Support: Mifare, Desfire, Desfire EV1
        ** Desfire, EV1 for smart card is read only

BioMini

DE-620

Secure Communication

- TLS: Transport Layer Security
- Prevents malicious users from connecting to the device by pretending to be the server with the same server IP

Malicious User

BioStar 2

192.168.1.11

192.168.1.11
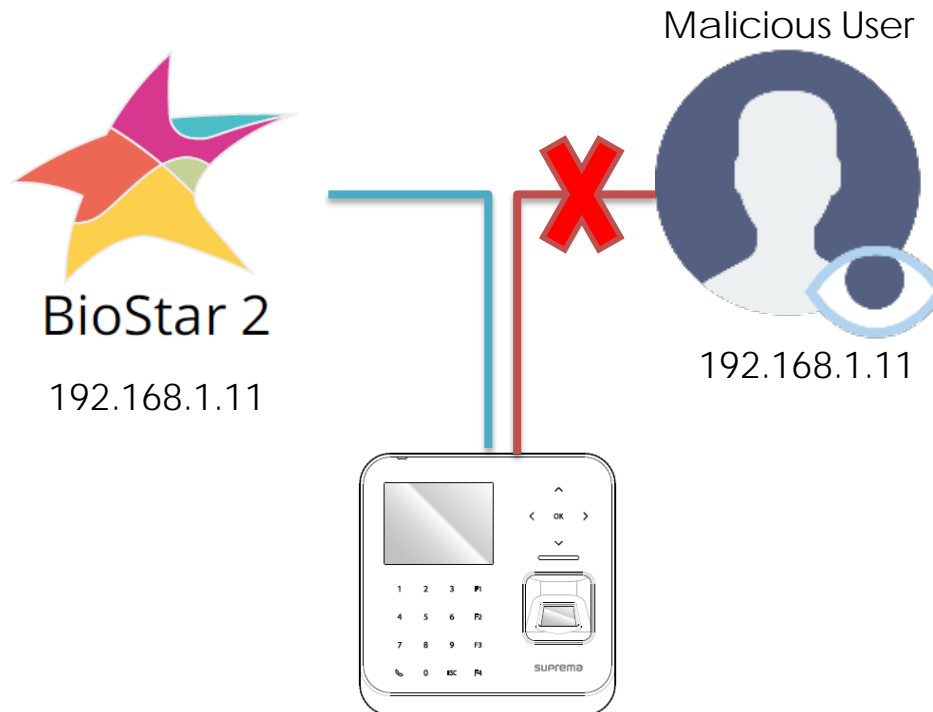
Secure Communication

- Exchanges encryption key (session key) using a digital certificate to provide server identity verification

BioStar 2   Device

1. Certificate transmitted

2. BioStar 2's authenticity determined

3. A secure communication channel established
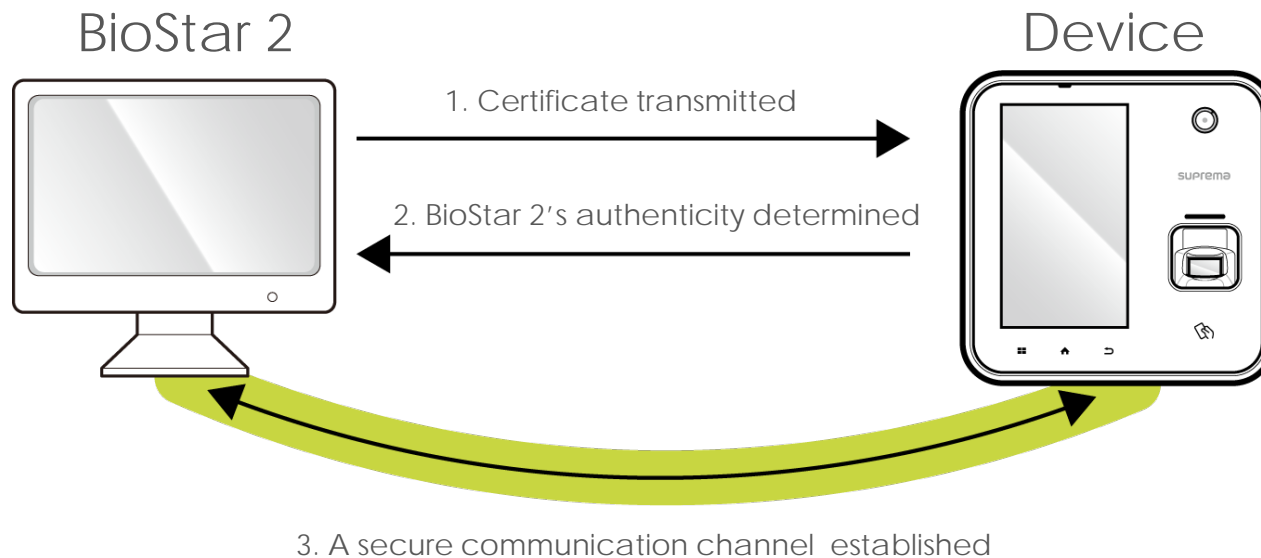
Secure Communication

- Setting > Server > Secure Communication with Device
- Option to use external certificate from Certificate Authority (CA)
  i.e VeriSign, Comodo, GoDaddy

Secure Communication with Device

• Secure communication with device	Use
• Root certificate	Upload
• Private key	Upload

• Use external certificates	Use
• Public key certificate	Upload
• Private key passphrase (Optional)	
• Confirm private key passphrase	

- Refer to Wikipedia for more information about TLS

Oracle Database

- Available as a custom installation for a new install

* DB not installed with BioStar 2

* Only 64bit version is available

* Only supports 32 bit Oracle Client

- Supported versions:
    - Oracle Database 11g
    - Oracle Database 11g Express
    - Oracle Database 12c
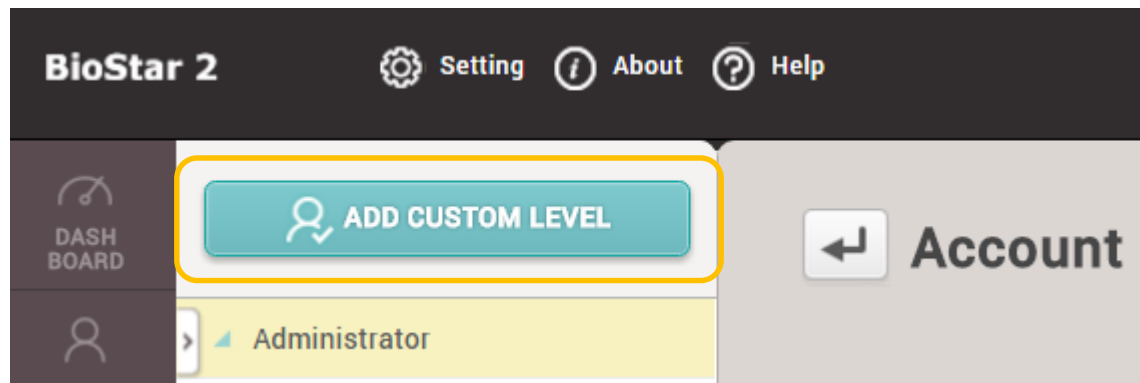
ORACLE
DATABASE

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AC Features

Custom Operator

- Setting > Account > Add Custom Level
- Option to apply privileges to multiple users at once.
- Operator control based on menu:
  - User Group
  - Devices
  - Door
  - Access Group

** items do not apply to the monitoring menu

Custom Operator

- Setting > Account > Add Custom Level

Add Custom Level

- Name
- Description
- Admin Menu Settings

	Menu Items	Custom Items	Add Button	Edit	Read
1	Dashboard		N/A		☐
2	User	All Users ▾ All Devices ▾	Disabled	☐	☐
3	Device	All Devices ▾	Disabled	☐	☐
4	Door	All Doors ▾	Disabled	☐	☐
5	Access Control	All access groups ▾	Disabled	☐	☐
6	Monitoring		N/A	☐	☐
7	Time & Attendance		Disabled	☐	☐
8	Setting		N/A	☐	☐

- Add User

Name	+ Add

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Alphanumeric ID

- Hyphens (-) and underscore (_) possible
  **@ and other special characters are not supported
- BioLiteNet, BioEntry Plus, BioEntry W are not supported

• Name	Alphanumeric ID	
• ID	This_is_an_User-ID123	
• Group	All Users	▼
• Period	2001/01/01	00:00 ~ 2030/
• Operator Level	None	▼

+ Add Photo

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Alphanumeric ID

- Configure in the Server menu User ID Type

* L2 and W2 will appear as "not supported device." hotfix will be released at the end of Feb

AC Features

Device Trigger and Action

- For using Suprema devices with 3rd party controllers with Wiegand
- Only master device can be configured

** use Secure-IO 2 as slave for additional input

DEVICE > Trigger & Action > + Add

AC Features

Device Trigger and Action

- Function for all devices:
    - Access Granted, Access Denied
- Additional Function for devices without LCD:
    - Green LED, Red LED, Device Sound

Elevator (OM-120)
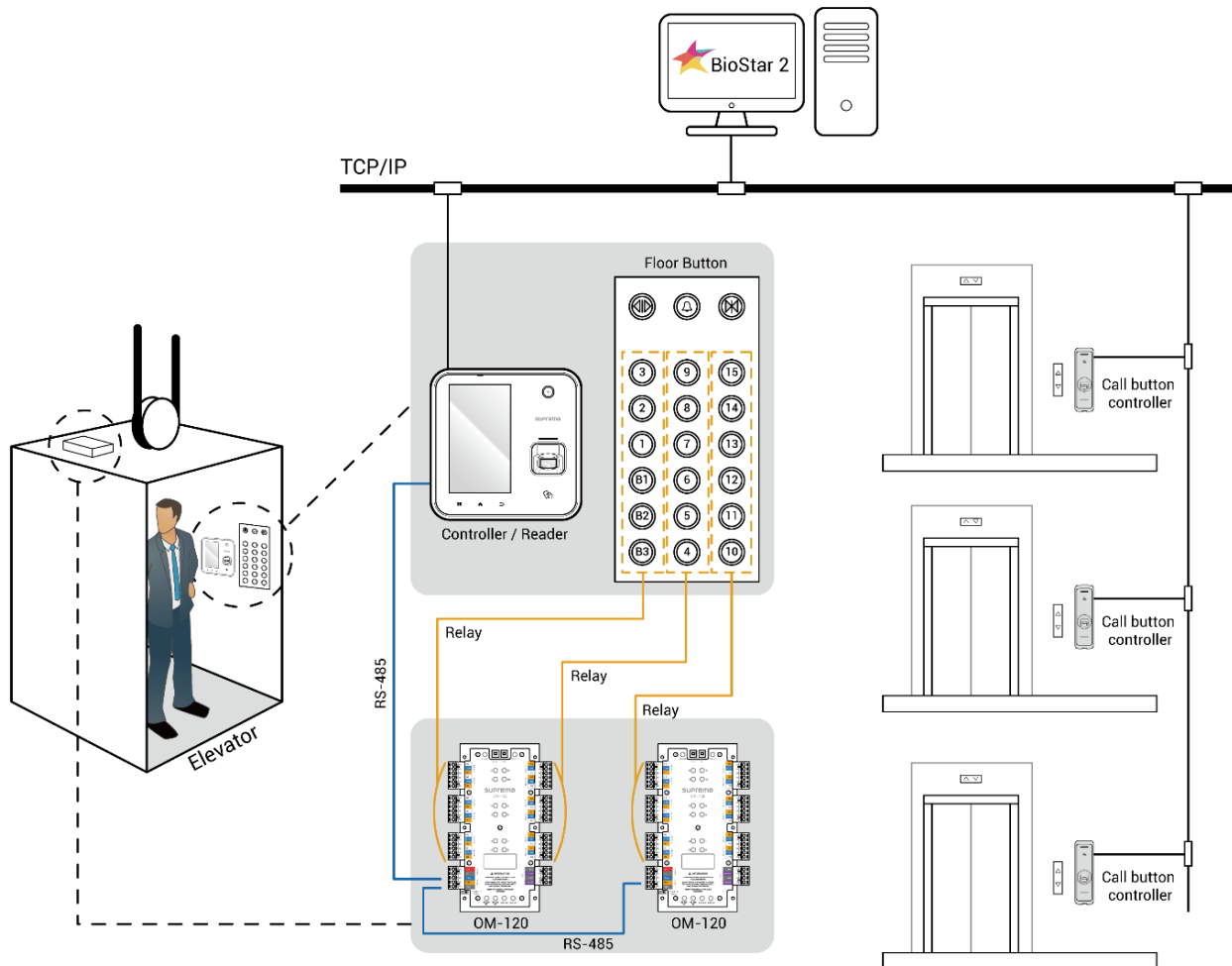
- Support for OM-120 (Output Module)
- 12 relay, 2 input

Elevator (OM-120)

- Elevator: maximum 4 readers, 16 OM-120

AC Features

Elevator (OM-120)

- AC Standard License required
- Max 192 floors per elevator with daisy chain of 16 OM-120
- Max 1000 Elevators
- Supports dual authentication, anti-passback & fire-alarm zone

PDF Report

- Export PDF Reports

** Use internet explorer or download the PDF if there is a issue viewing in Chrome

** Disable popup block to export

| CSV Export | PDF Export | Update Report | ... |

☑ Rebuild Time Card
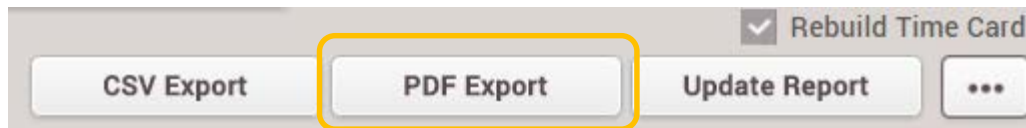
Individual Report | Ethan Kim (1111 : All Users)

Date 2017-01-01 ~ 2017-01-31

Date	Name	User ID	Department	Shift	Leave	In	Out	Exception	Regular hours	Overtime hours	Total Work Hours
2017/01/19	Ethan Kim	1111	All Users	normal fixed	·	2017/01/19 07:00 am	2017/01/19 06:00 pm	·	9:00:00	0:00:00	11:00:00
2017/01/20	Ethan Kim	1111	All Users	normal fixed	·	2017/01/20 09:00 am	2017/01/20 06:00 pm	Late In	9:00:00	0:00:00	9:00:00
2017/01/21	Ethan Kim	1111	All Users	normal fixed	·	2017/01/21 07:00 am	2017/01/21 11:00 am	Early Out	2:00:00	0:00:00	4:00:00
2017/01/22	Ethan Kim	1111	All Users	normal fixed	·	2017/01/23 02:00 am	·	Insufficient work time, Missing Punch Out, Late In	0:00:00	0:00:00	0:00:00

Column Setting

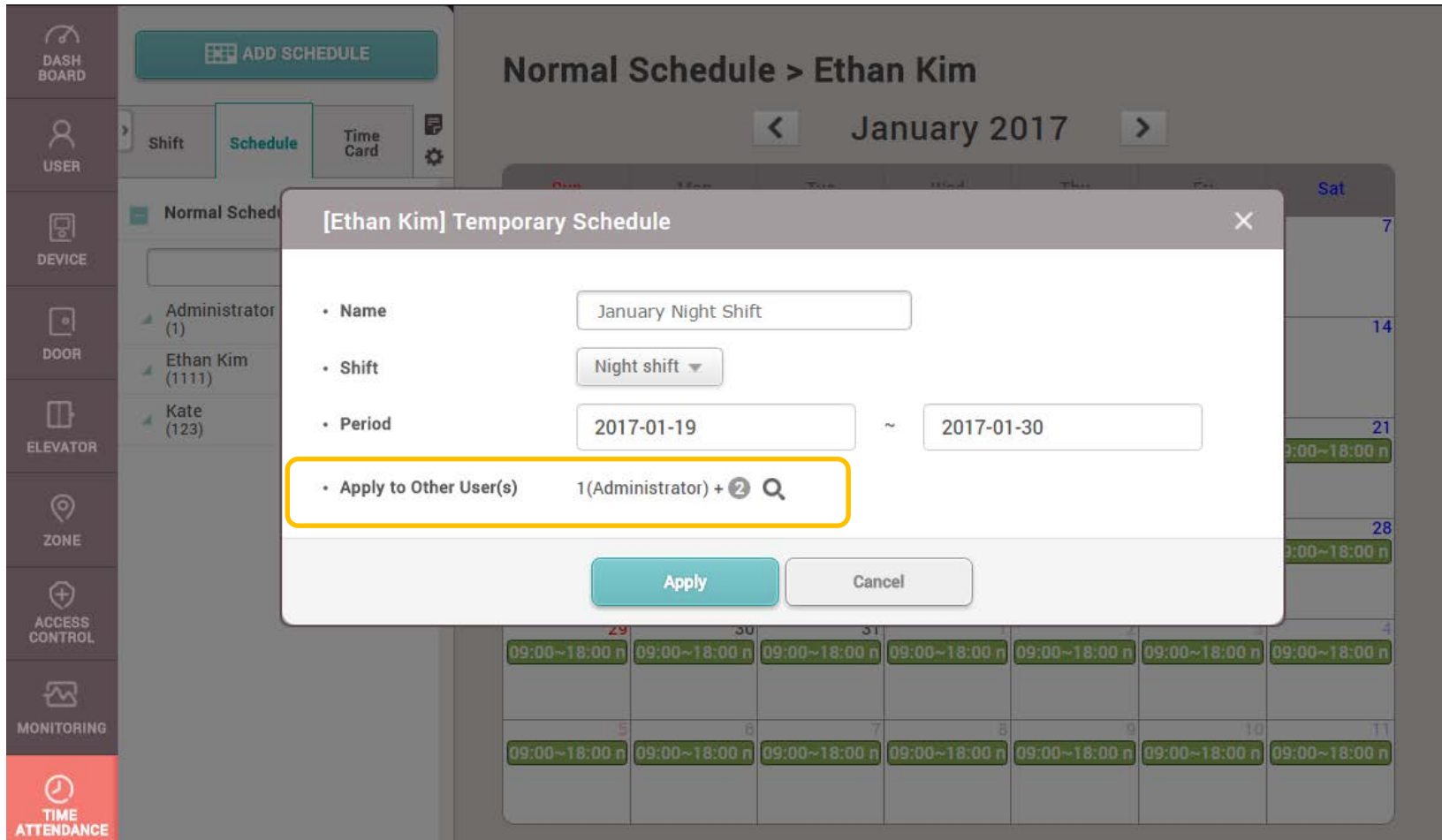- Configure columns as required
- Drag and drop to change order
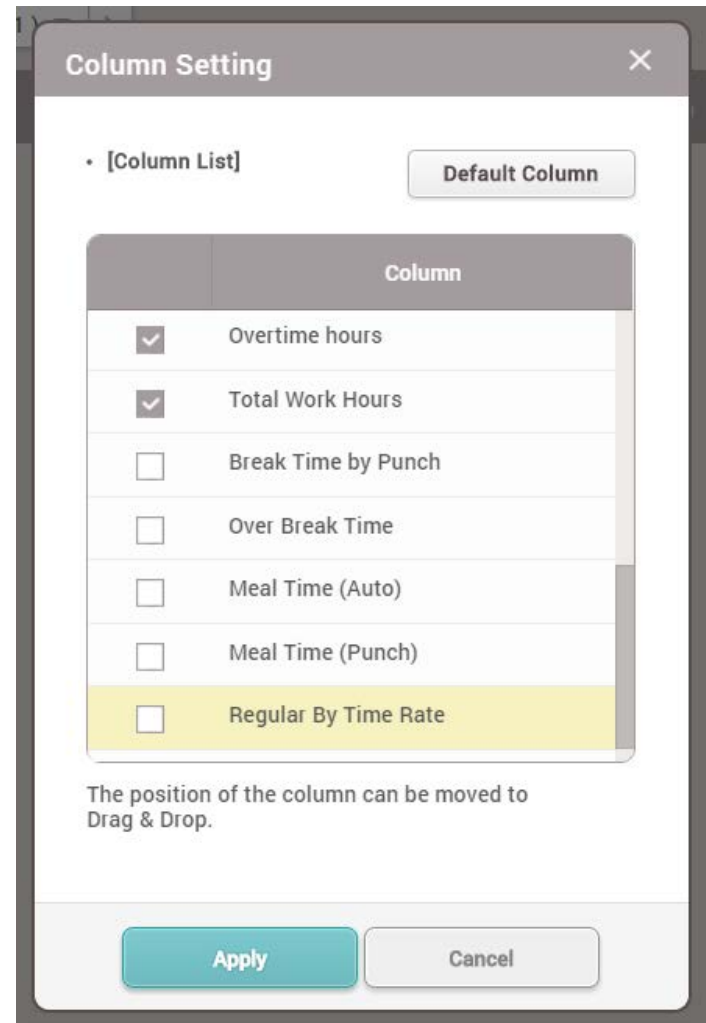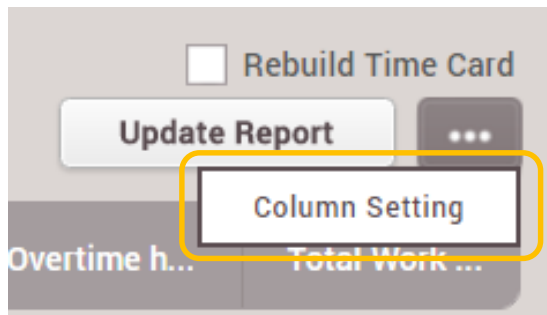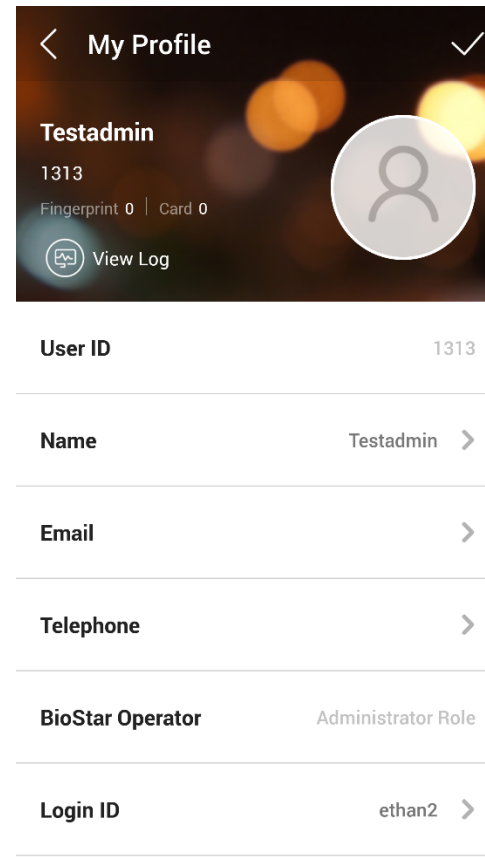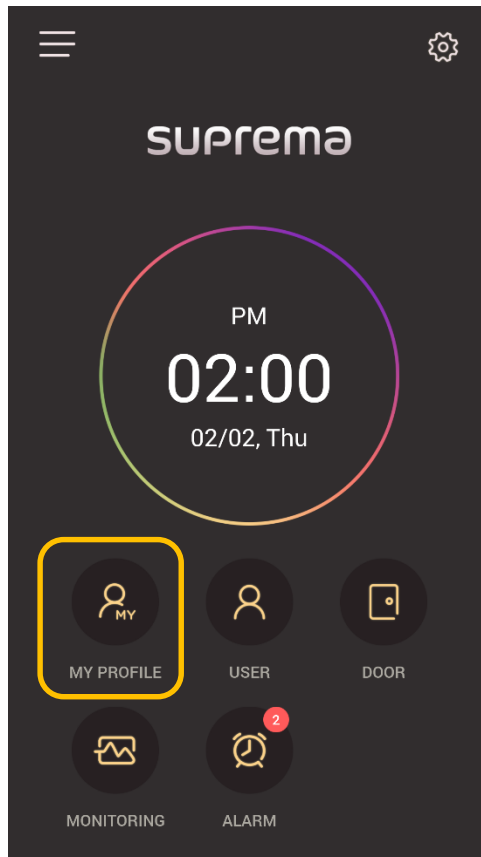
Temporary Schedule Batch Edit

- Add temporary Schedule to multiple users

Mobile Feature

My Profile

- Quick access to user profile view & edit

Upcoming Features

BioStar 2.4.1

FaceStation 2   FaceStation 1

VS

x3 faster Recognition time

x3.5 computing power

x5 allowable ambient light level

Max 3000 x 10 (Group Matching) users

Upcoming Features

BioStar 2.4.1   ** Schedule may change

Video Integration
- Options: HikVision & Dahua
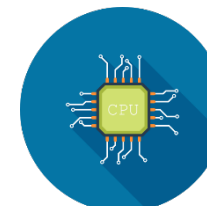
NFC Mobile App
- User credential stored on phone

MS SQL Express
- Support for one the most popular DB

Performance Improvement
- AC side load speed

25

Online Resources

- Suprema Knowledge Base
  Fundamental > BioStar 2 Features

http://kb.supremainc.com/

BioStar 2 Features

BioStar 2 sets the new standard in security. The powerful biometric access control framework provides system integrators the ability to easily integrate with 3rd party systems and allows software developers to build new applications and functions into BioStar 2. Accessibility to BioStar 2 and its APIs is further extended through cloud services.

🌐 Learn more

BioStar 2.0.0	BioStar 2.1.0	BioStar 2.2.x
📄 Feature Guide Download	📄 Feature Guide Download	📄 Feature Guide Download

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Q & A

Any Questions?

Thank You

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