

BioStar 2.7

New Feature Introduction (2.7.1 ~ 2.7.7)

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DISCLAIMER

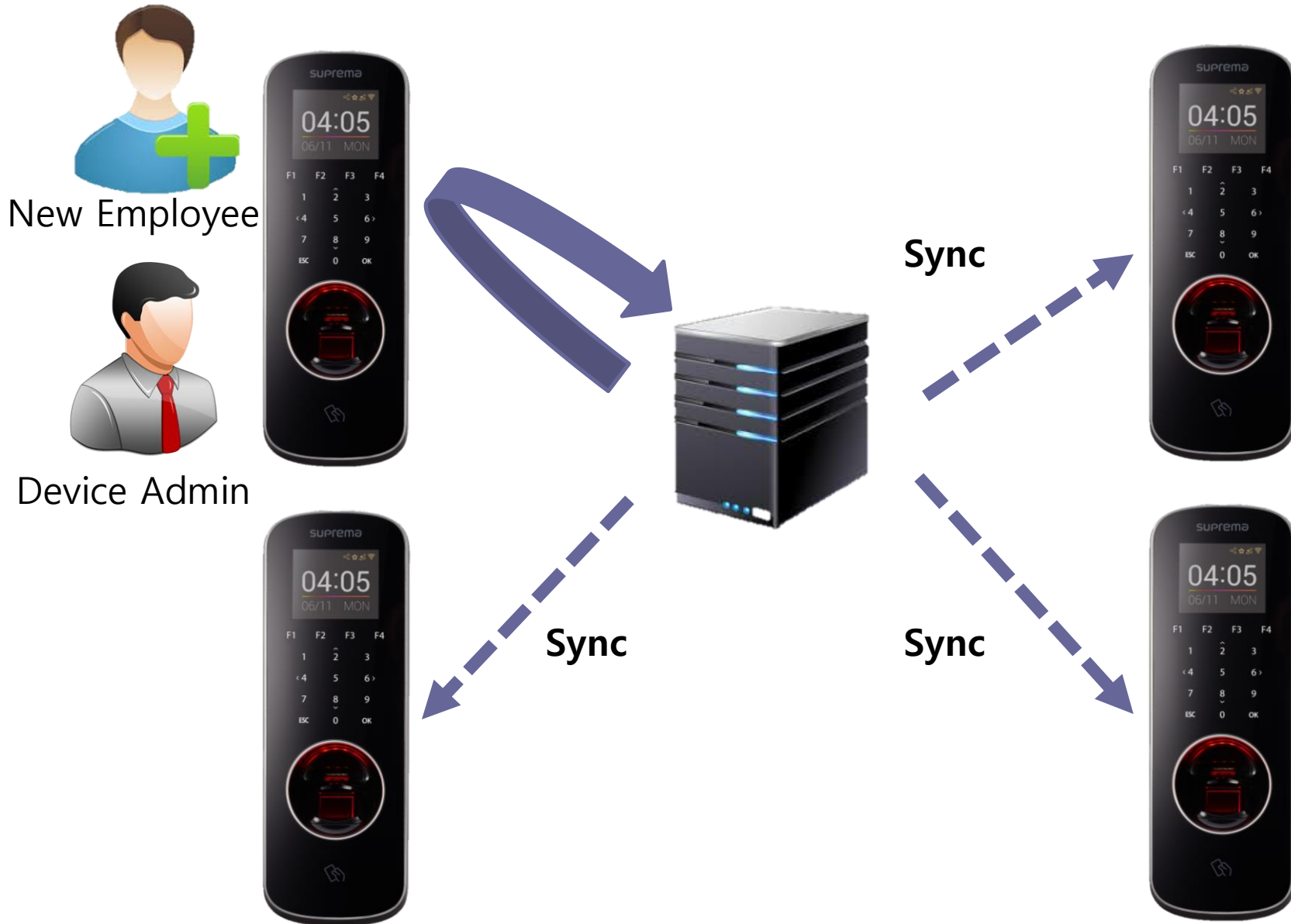
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New Features and Improvements

Server Setting

Synchronization of All Devices



Synchronization of All Devices



DB Server

User ID 1234



User ID 1234



Device

1st Fingerprint

2nd Fingerprint

Setting of Password

Settings

ACCOUNT PREFERENCE CARD CARD FORMAT **SERVER**

TRIGGER & ACTION SCHEDULE ALERT HTTPS CLOUD

IMAGE LOG USB AGENT FACE GROUP MATCHING AUDIT TRAIL DAYLIGHT SAVING TIME

Server

General

- BioStar IP Address: Any
- BioStar Port: 51212
- Session Timeout: 6000 Min
- Password Level: Strong**

Settings

ACCOUNT PREFERENCE CARD CARD FORMAT SERVER

TRIGGER & ACTION SCHEDULE ALERT HTTPS CLOUD

IMAGE LOG USB AGENT FACE GROUP MATCHING AUDIT TRAIL VIDEO

DAYLIGHT SAVING TIME **SECURITY** ACTIVE DIRECTORY

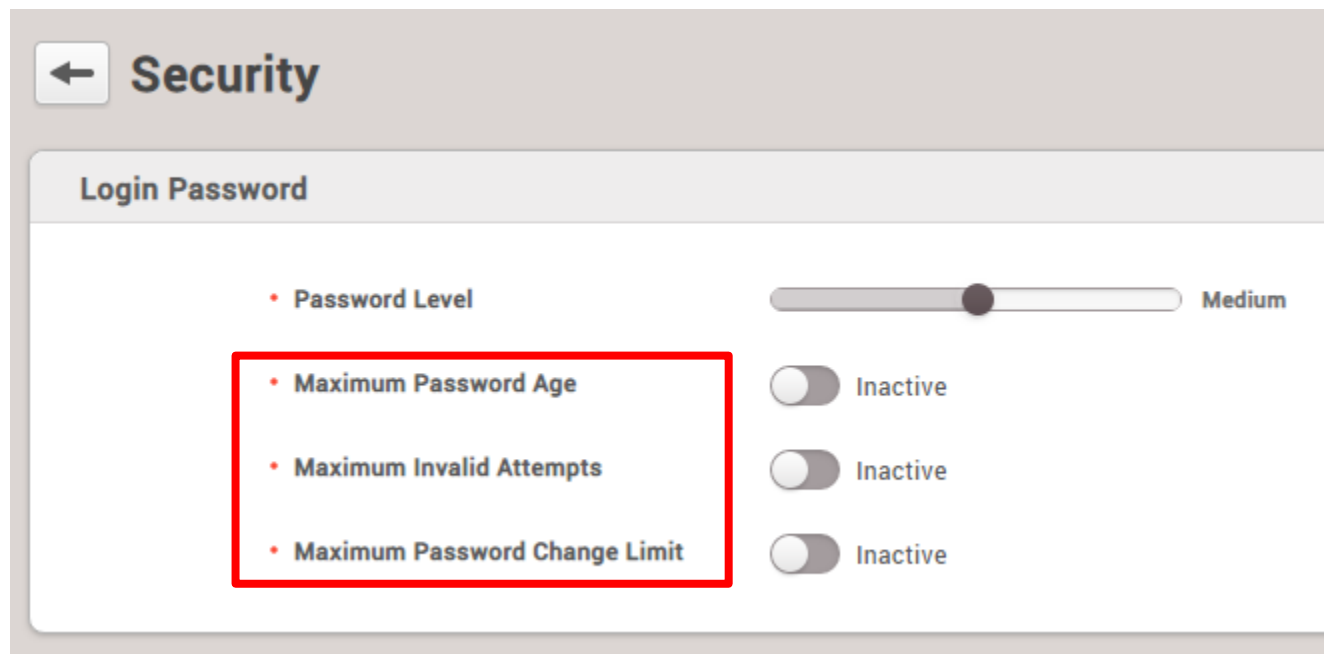
Security

Login Password

- Password Level: Medium**
- Maximum Password Age: Inactive
- Maximum Invalid Attempts: Inactive
- Maximum Password Change Limit: Inactive



Setting of Password



Maximum Password Age

Set the period for using password

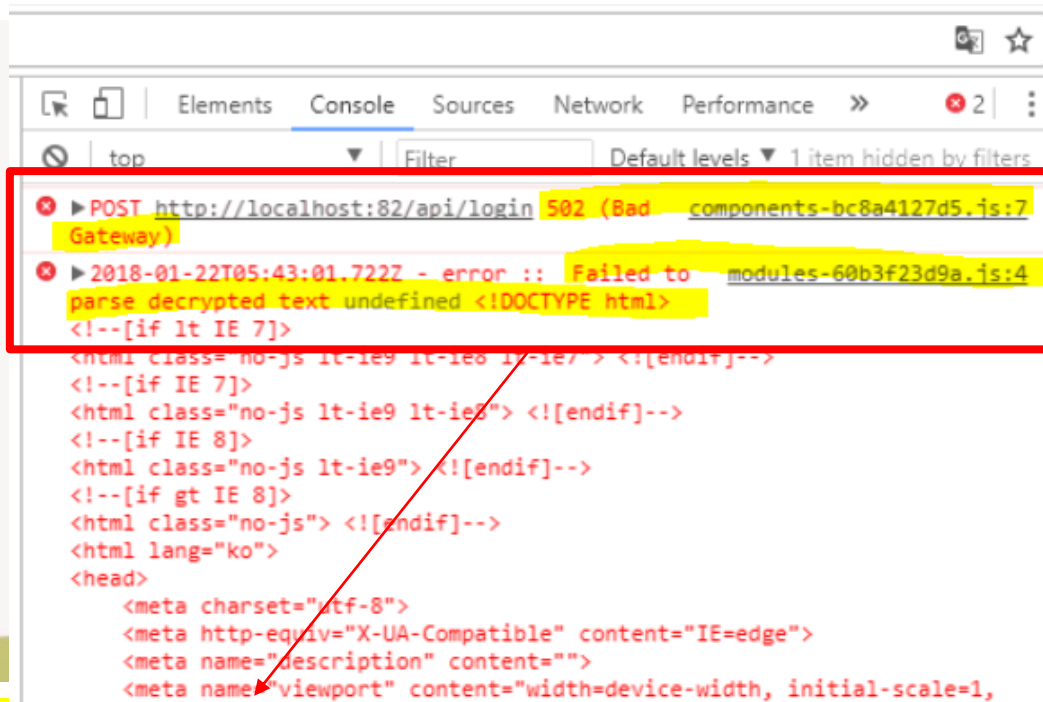
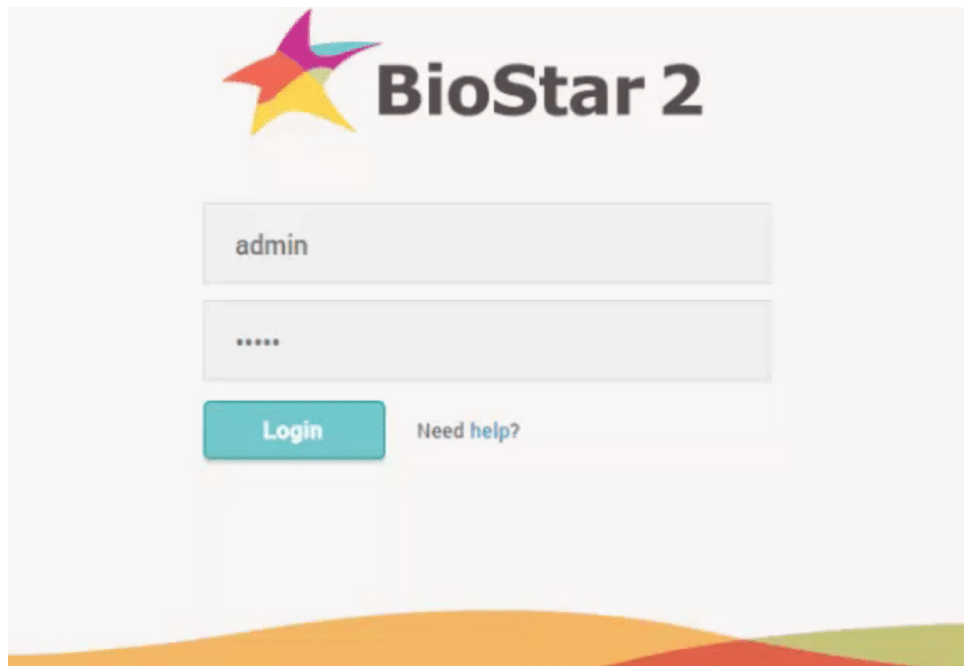
Maximum Invalid Attempts

Limit the number of password failures

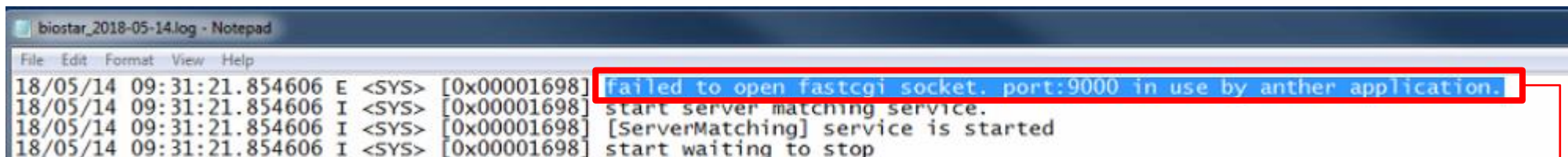
Maximum Password Change Limit

Unable to reuse the same password

Support the port 9000 change in 'setting.conf'



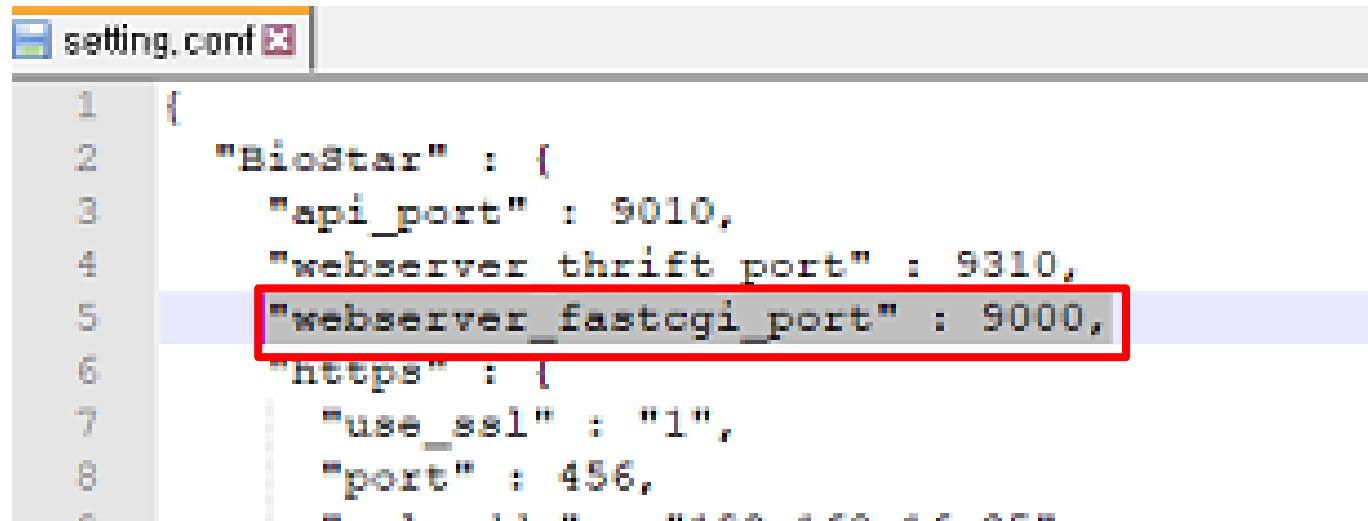
[502 bad gateway. failed to parse decrypted text] error



failed to open fastcgi socket. port:9000 in use by another application.



Support the port 9000 change in 'setting.conf'



```
setting.conf x
1 {
2   "BioStar" : {
3     "api_port" : 9010,
4     "webserver thrift port" : 9310,
5     "webserver_fastcgi_port" : 9000,
6     "https" : {
7       "use_ssl" : "1",
8       "port" : 456,
```

Change the port number what you want to use instead of port 9000

The number of Custom Level

ADD CUSTOM LEVEL

Account

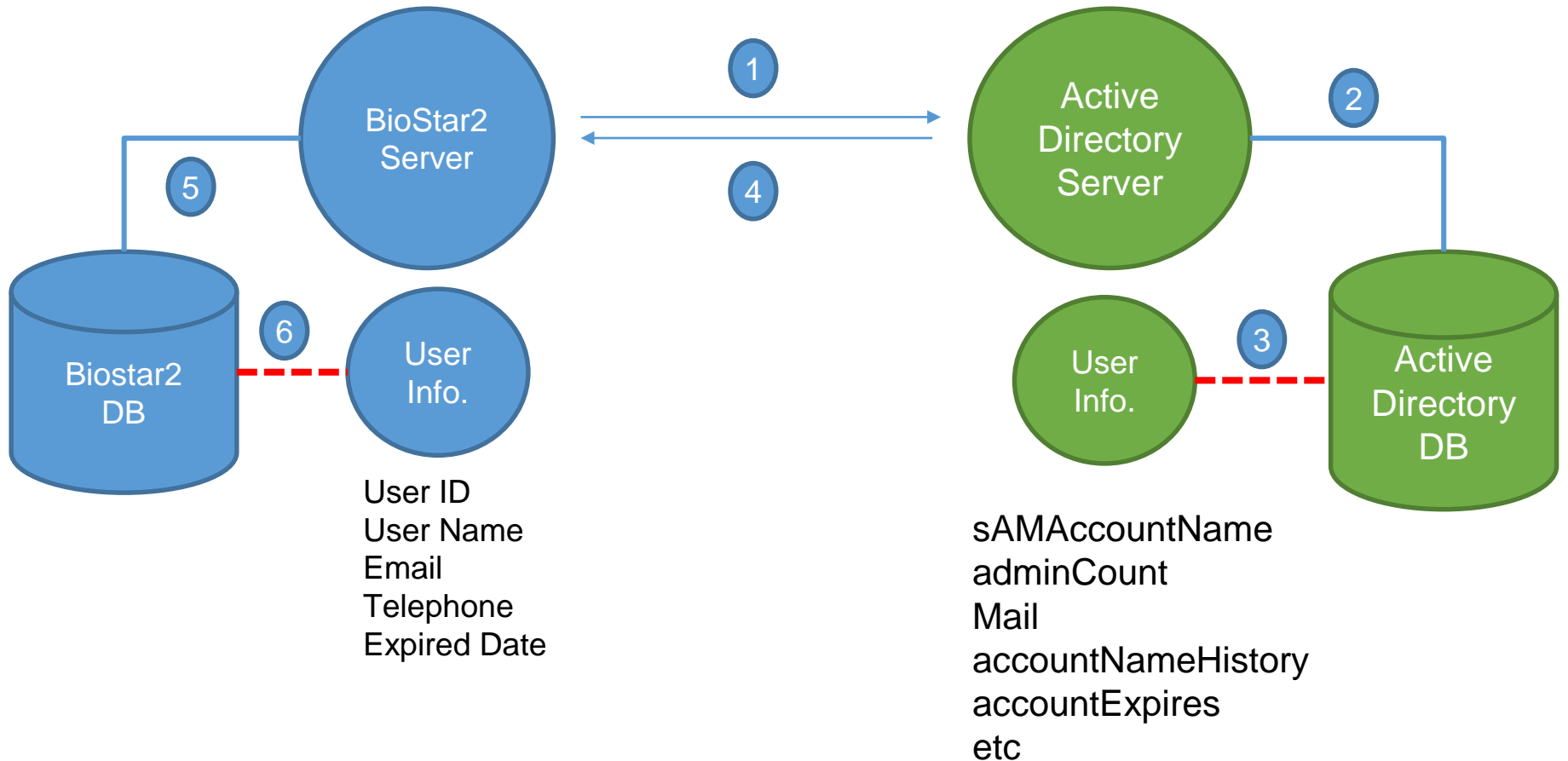
| <input type="checkbox"/> | Name | |
|--------------------------|---------------------|---|
| <input type="checkbox"/> | Administrator | Edit all |
| <input type="checkbox"/> | User Operator | View user only |
| <input type="checkbox"/> | Monitoring Operator | Edit monitoring & view others(except time attendance) |
| <input type="checkbox"/> | test | - |
| <input type="checkbox"/> | T&A Operator | Edit time attendance & view user |
| <input type="checkbox"/> | User | View individual schedule & time card in time attendance |
| <input type="checkbox"/> | Visitor Operator | Edit permission for visitor |

Possible to create 32 custom level account

BioStar 2.7.5 has no custom level limitations.

Active Directory Support

BioStar2 v2.7.5 or higher version support Active Directory Menu to get the user information from Active Directory to BioStar2 User.



Required AC License :
Advanced Level

Specification of BioStar 2 Active Directory

Supported Feature

- Default Simple Authentication of Active Directory connection
- Communication Encryption between Active Directory and BioStar2 Server for limited environment
- Manual Synchronization from user information of Active Directory Server to user information of BioStar 2

Not supported Feature or limited feature


- Not selectable of user ID of BioStar2 User field for user information connection of Active Directory Server
- Not available to add more than 5 user field of BioStar2 Server
- Not available to use communication encryption if Active Directory and Active Directory Certificate Service are located in different PC
- Not available to synchronize automatically



How To Configure Active Directory Server in BioStar 2

Steps

1. BioStar2 AC Advanced Level License
2. Alphanumeric User ID Type
3. Confirmation the connection for Active Directory Server and update the server information in BioStar 2
 - Confirmation the specification of Biostar2 Active Directory



The screenshot shows the 'Active Directory' configuration page in BioStar 2. The page has a header with a back arrow and the title 'Active Directory'. Below the header is a sub-section titled 'Active Directory Server'. The configuration fields are as follows:

- Secure transfer:** A toggle switch is currently in the 'Inactive' position.
- Server Address:** A text input field containing the IP address '192.168.1.4'.
- User Name:** A text input field containing the username 'test'.
- Password:** A password input field with masked characters represented by dots.
- Base DN:** A text input field containing the Base Distinguished Name 'CN=Users,DC=test,DC=com'.

A 'Test Connect' button is located at the bottom right of the configuration area.

Reference Article: How To Confirm Active Directory Server Information

<https://support.supremainc.com/a/solutions/articles/24000041940--biostar-2-how-to-confirm-active-directory-information>






How To Configure Active Directory Server in BioStar 2

Steps

4. Fill in for each field of Active Directory of BioStar2

Field Configuration

• User Field Mapping

| BioStar2 User Field | AD Server Field | |
|---------------------|--------------------|---|
| User ID | sAMAccountName |  |
| User Name | adminCount |  |
| Email | mail |  |
| Telephone | accountNameHistory |  |
| Expired Date | accountExpires |  |

+ Add

Update

Synchronize

Last Synchronized at 20:29:47 on 2019-07-08

Sync Now

Reference Article: How To Configure Active Directory in BioStar2

<https://support.supremainc.com/a/solutions/articles/24000044140--biostar-2-how-to-configure-active-directory-in-biostar2-/en>

New Features and Improvements

Device

Input in Trigger & Action (Event Name Change)

Add Trigger & Action

Trigger

Event

Input

Input(Event Name Change)

• Port
Input Port 0

• Switch
Normally Open

• Duration(ms)
10

• Schedule
Always

• Event Name
test_EventNameChange

Enter the event name what you want to use

List View Graphic Map View

Event Log

Real-time Log

Device Status

Door Status

Zone Status

Alert History

Search event log

Event Log

Event

| | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | test_EventNameChange |
| <input type="checkbox"/> | Fail to save to the server DB |
| <input type="checkbox"/> | Muster zone alarm cleared |
| <input type="checkbox"/> | Muster zone alarm detected |
| <input type="checkbox"/> | Muster zone time limit violation |
| <input type="checkbox"/> | Interlock zone Alarm Clear |
| <input type="checkbox"/> | Interlock door open denied alarm (Occupied) |
| <input type="checkbox"/> | Interlock door open denied alarm |
| <input type="checkbox"/> | Interlock zone alarm |

Add Condition Cancel



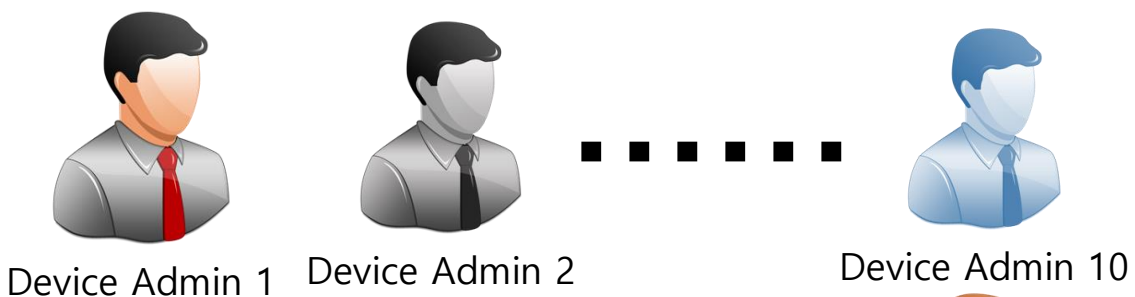
Increase the number of administrator



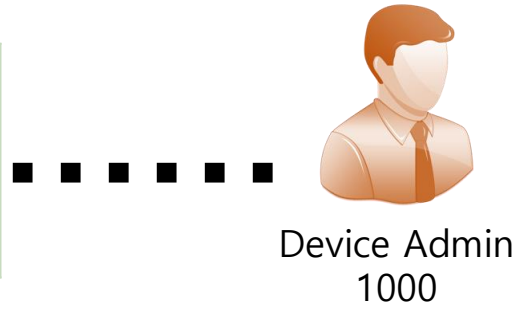
Before BioStar 2.7.3



From BioStar 2.7.3



| | | |
|-------------------------------|-----------------------------|---------------------------|
| BioStar 2 (Old version) | Device (new version) | Max 10 admin users |
| BioStar 2 (new version) | Device (old version) | Max 10 admin users |
| BioStar 2(new version) | Device (new version) | Over than 10 users |



Quick Enrollment for FaceStation 2



Enroll
Face



The front face



Moving the face
up and down



Moving the face
to the left and right

3 Steps for register



The front face

**From
FW v1.2.2**

Quick Enrollment



New Features and Improvements

Time and Attendance

Working 24 hours or longer (fixed shift)

Employee's Schedule

| DAY | WORKING TIME | OVER TIME |
|-------|---------------|---------------|
| 1 | 09:00 ~ 18:00 | |
| 2 | 09:00 ~ 09:00 | 00:00 ~ 09:00 |
| 3 | 13:00 ~ 22:00 | |
| 4 | Day off | |
| 5 | 09:00 ~ 18:00 | |
| 6 | 09:00 ~ 09:00 | 00:00 ~ 09:00 |
| | 13:00 ~ 22:00 | |

Work overnight once in 4 days

3 different shift

1. Day 1 / 5 / 9 / ...

2. Day 2 / 6 / 10 / ...

3. Day 3 / 7 / 11 / ...



Working 24 hours or longer (fixed shift)

• Name

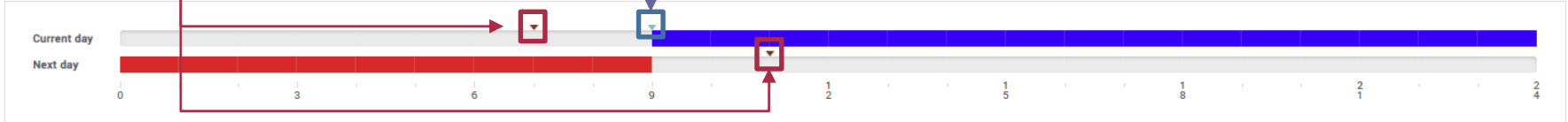
• Description

• Type Fixed Flexible Floating

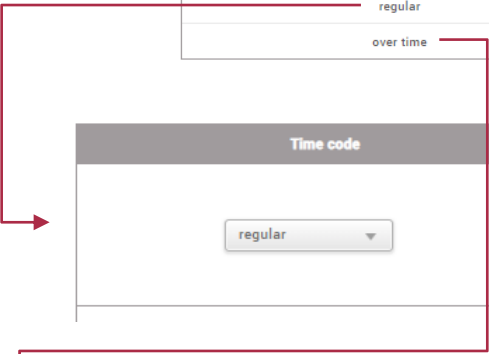
• Day start time :

Allowed a day before/after time A day before(hours) A day after(hours)

• First check-in & Last check-out Yes



| Time code | Start time | End time | Min. Duration | Action |
|-----------|------------|----------|---------------|--------|
| regular | 09:00 | 00:00 | 04:00 | |
| over time | 00:00 | 09:00 | 00:00 | |



| Time code | Start time | End time | Min. Duration |
|-----------|-----------------------------------|--|---------------|
| regular | 09 : 00 | 00 : 00 | 04 : 00 |
| | <input type="checkbox"/> Next day | <input checked="" type="checkbox"/> Next day | |

| Time code | Start time | End time | Min. Duration |
|-----------|--|--|---------------|
| over time | 00 : 00 | 09 : 00 | 00 : 00 |
| | <input checked="" type="checkbox"/> Next day | <input checked="" type="checkbox"/> Next day | |

Working 24 hours or longer (fixed shift)

ADD SCHEDULE TEMPLATE

• Name

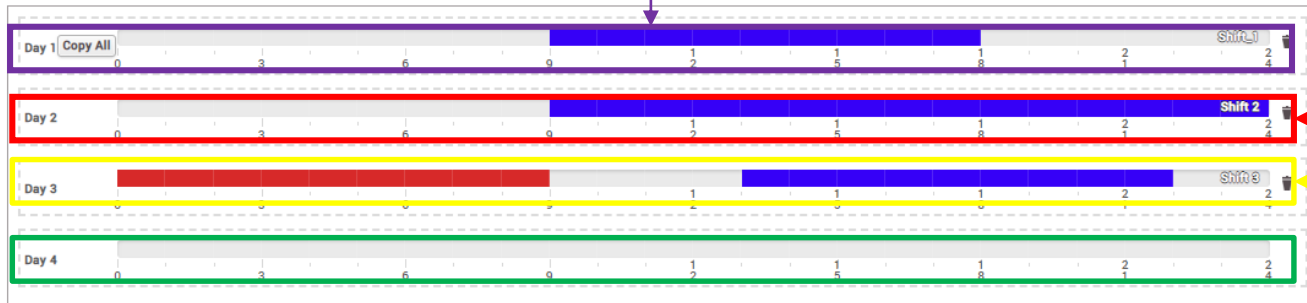
• Description

• Type Weekly Daily

• Cycle (Max : 90)

• Weekend days MON TUE WED THU FRI SAT SUN * Please select one or consecutive two days.

| Shift | Type | Time | Day start time |
|---------|-------|-------------|----------------|
| Shift 2 | Fixed | 09:00~09:00 | 09:00 |
| Shift 3 | Fixed | 13:00~22:00 | 12:00 |
| Shift_1 | Fixed | 09:00~18:00 | 05:00 |



3 different shift

1. Day 1 / 5 / 9 / ...

2. Day 2 / 6 / 10 / ...

3. Day 3 / 7 / 11 / ...

TA License Policy

| Items | Basic (Free) | TA License |
|-----------------------------|--------------|------------|
| Number of Schedules | 1 | Unlimited |
| Number of User per Schedule | 99 | Unlimited |

TA license under BioStar 2.7.6

| Item | Starter (Free) | Standard | Advanced | Professional |
|-----------------|----------------|----------|----------|--------------|
| Number of Users | 100 | 500 | 1,000 | Unlimited |

TA license from BioStar 2.7.7

If there is an Time Attendance license already in use, it is replaced by an Professional license.



New Features and Improvements

Visitor

Visitor Management

Visitor Settings

License, Device for registration

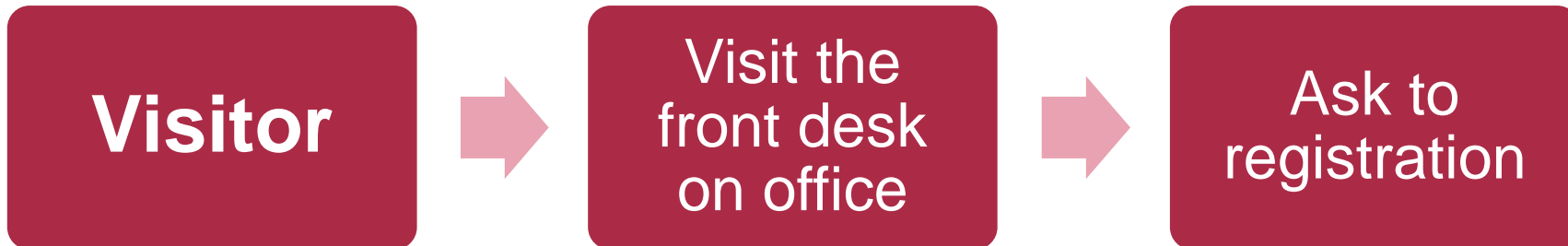
Site

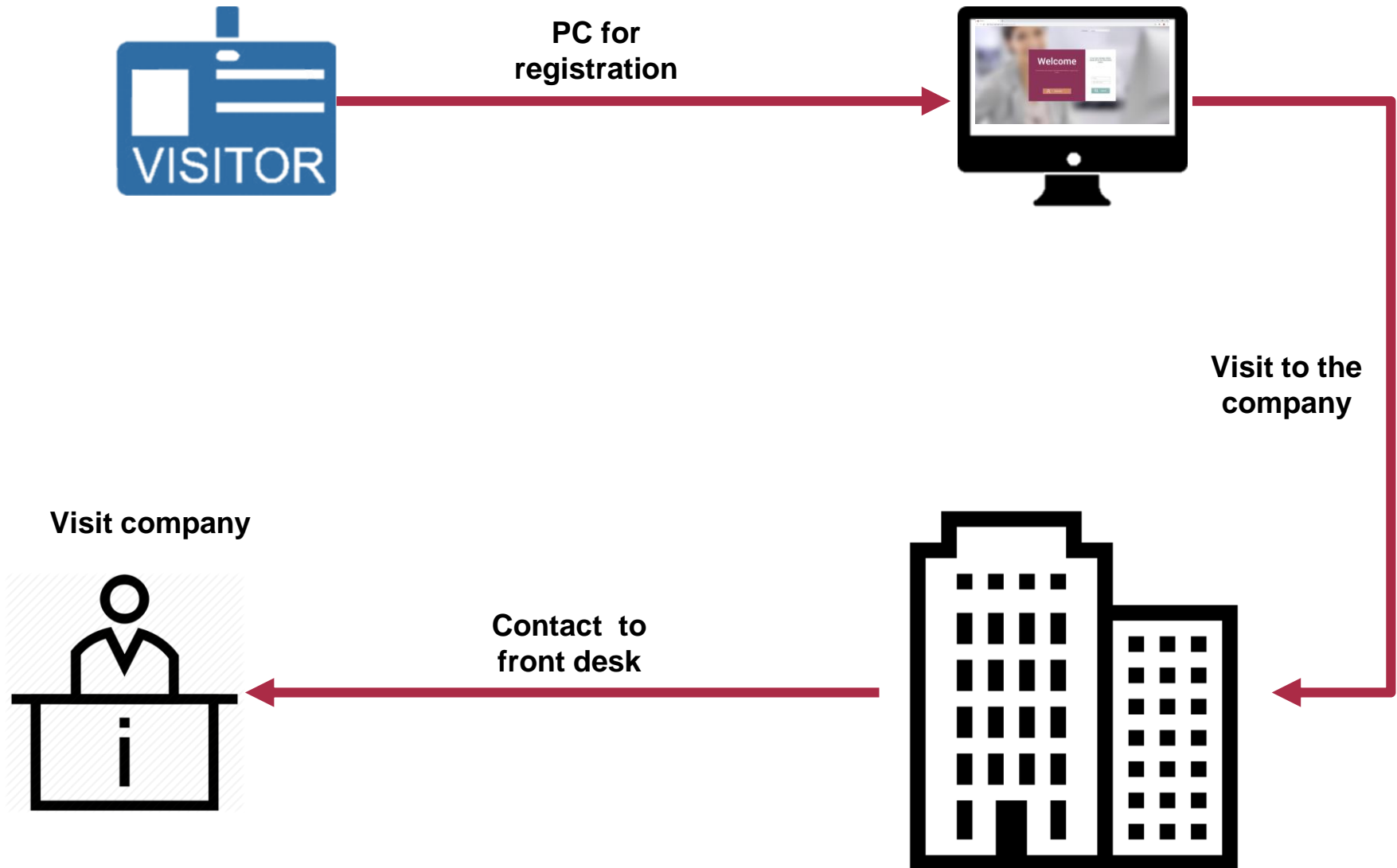
Area visitors want to visit
> Door, Access Group

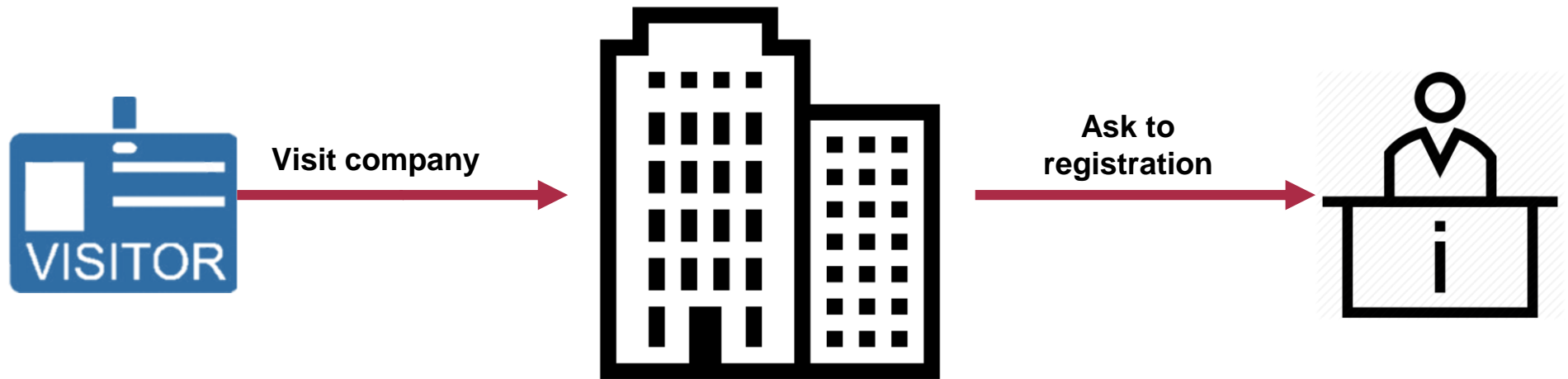
PC for registration

Self registration
> Visitor setting, Site

Visitor Management







Visitor Management

BioStar 2

Settings Port About Help

Administrator Logout

Settings

- ACCOUNT
- PREFERENCE
- CARD
- CARD FORMAT
- SERVER
- TRIGGER & ACTION
- SCHEDULE
- ALERT
- HTTPS
- CLOUD
- IMAGE LOG
- USB AGENT
- FACE GROUP MATCHING
- AUDIT TRAIL
- DAYLIGHT SAVING TIME
- SECURITY
- ACTIVE DIRECTORY
- VISITOR

DASH BOARD

USER

DEVICE

DOOR

ELEVATOR

ZONE

ACCESS CONTROL

MONITORING

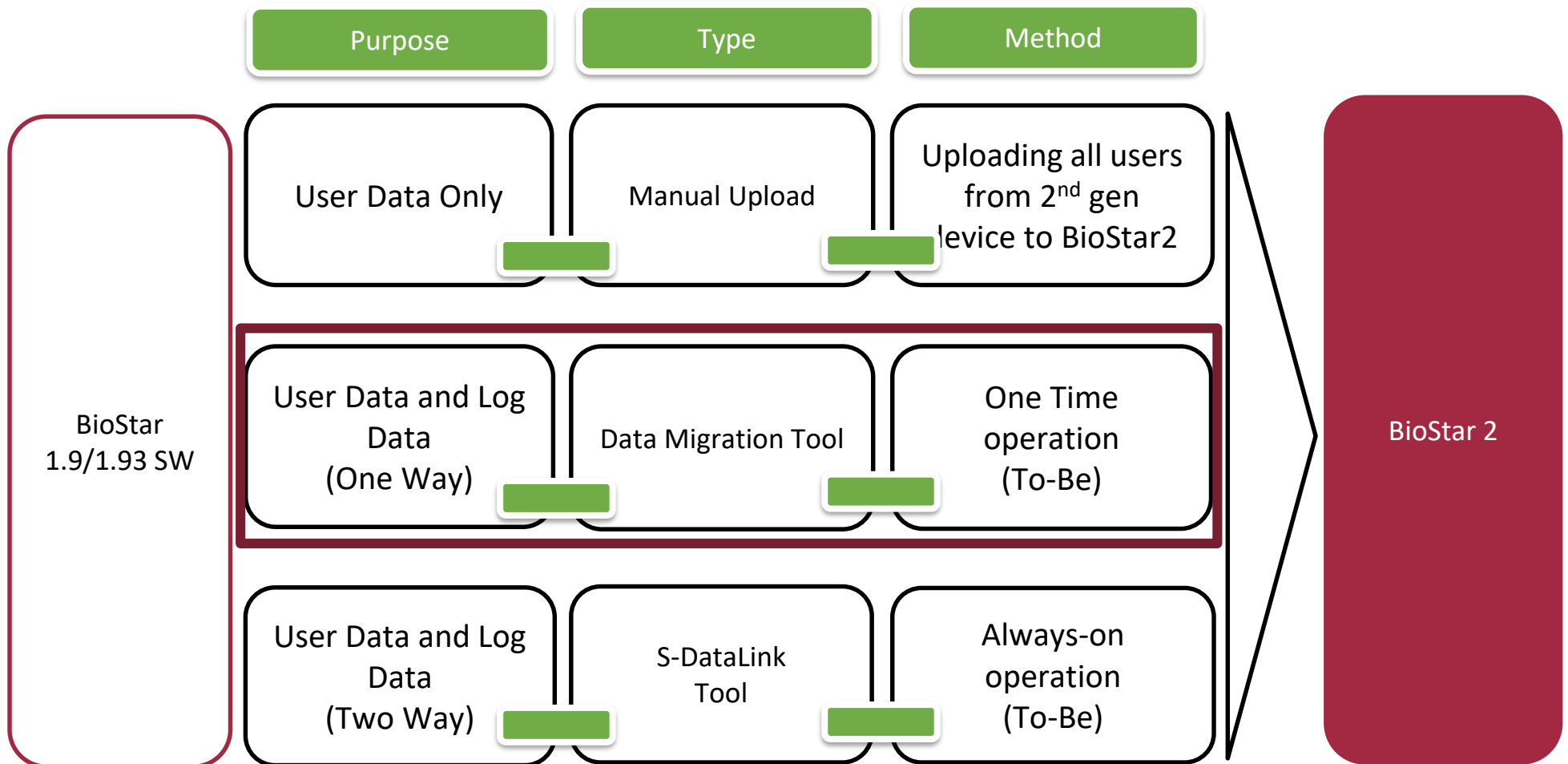
TIME ATTENDANCE

VISITOR

New Features and Improvements

DB Migration Tool (BioStar 1.x > BioStar 2)

DB Migration Methods



User Data and Log Data (One Way)

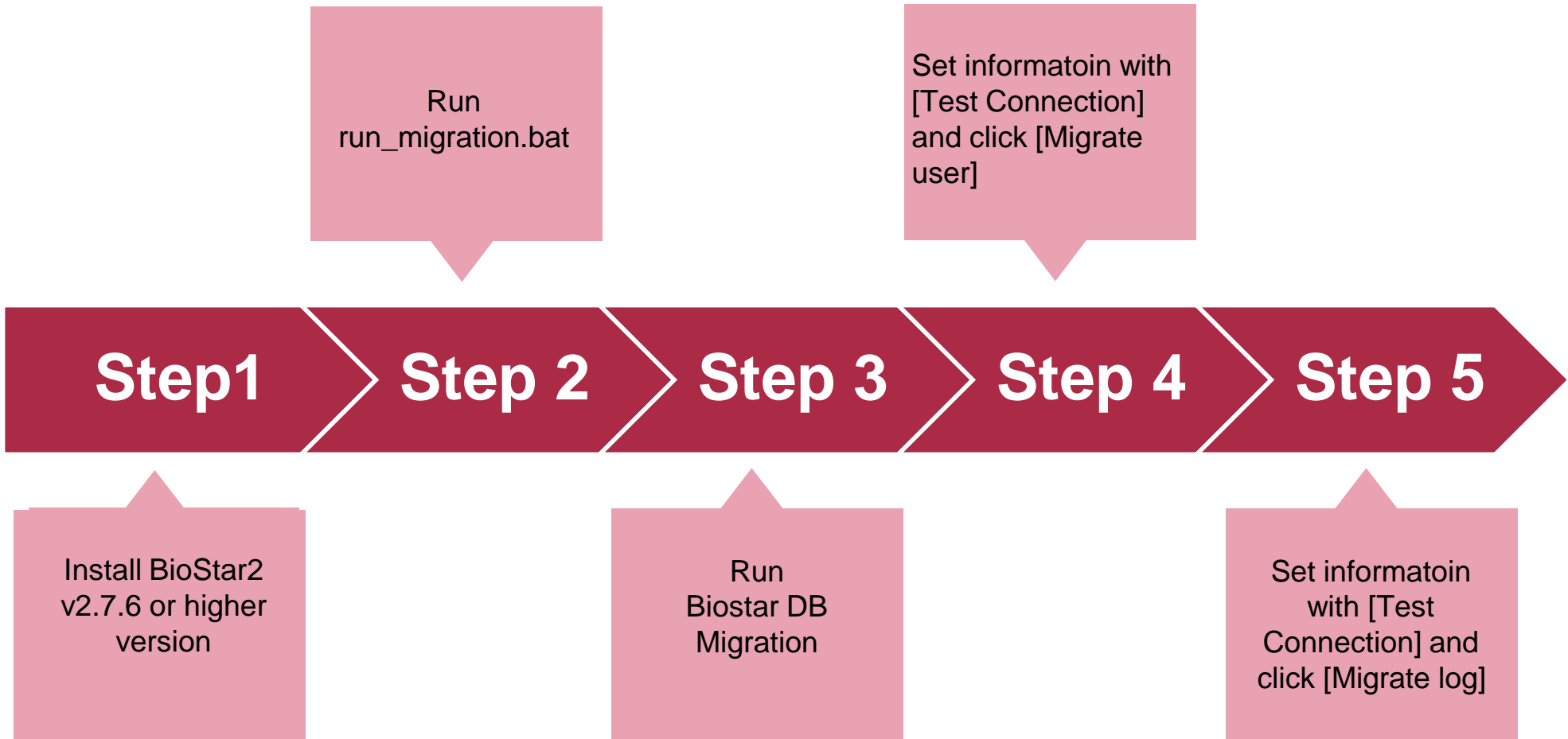
Use Case

- 1) Need to have user information and event log
- 2) Replace old 1st devices to 2nd generation device
- 3) Only the CSN card format is supported
- 4) Profile Image can be migrated

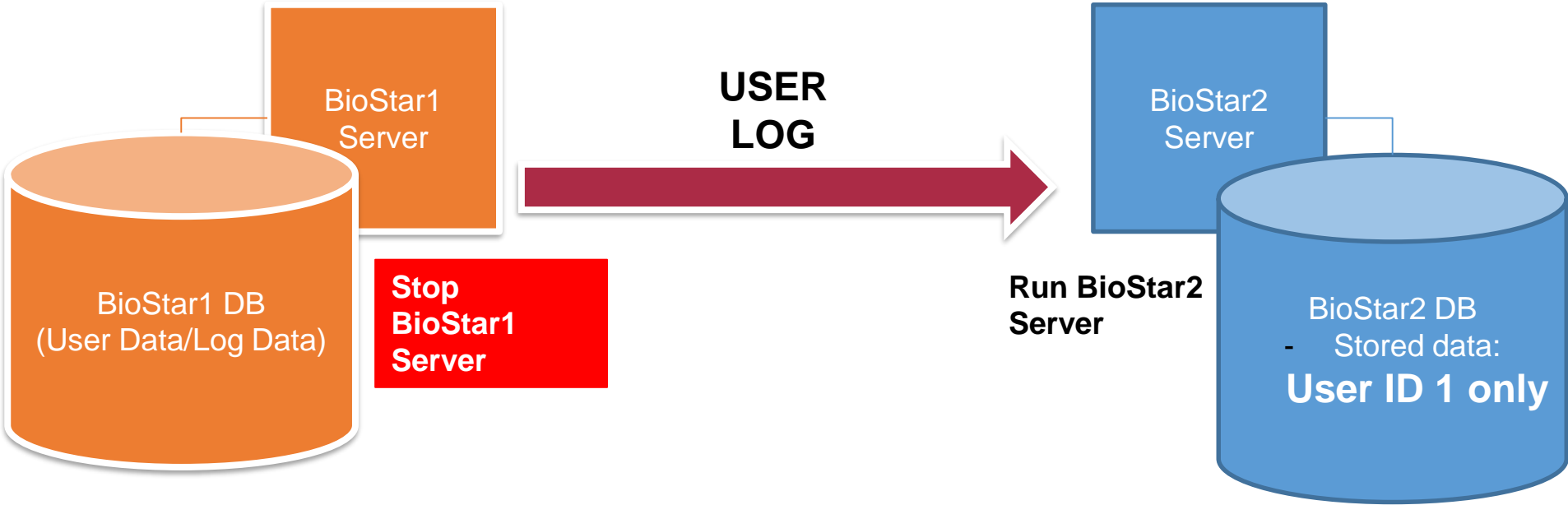
Notice

- 1) It needs to configure a door setting and access level/group once installing BioStar2 and uploading users if the formal environment is using access group with BioStar1
- 2) It does NOT get a face template and a Face template of FS1 is not compatible with a face template of FS2
- 3) It does NOT set user level of device menu access
- 4) When migrating data using BioStar 1.x to BioStar 2.x Migration Tool, existing users stored in BioStar 2 will be deleted except for user 1
- 5) Confirm if you install BioStar 1.9 or higher version

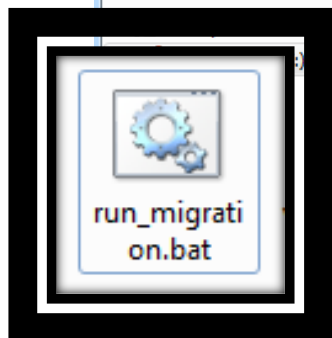
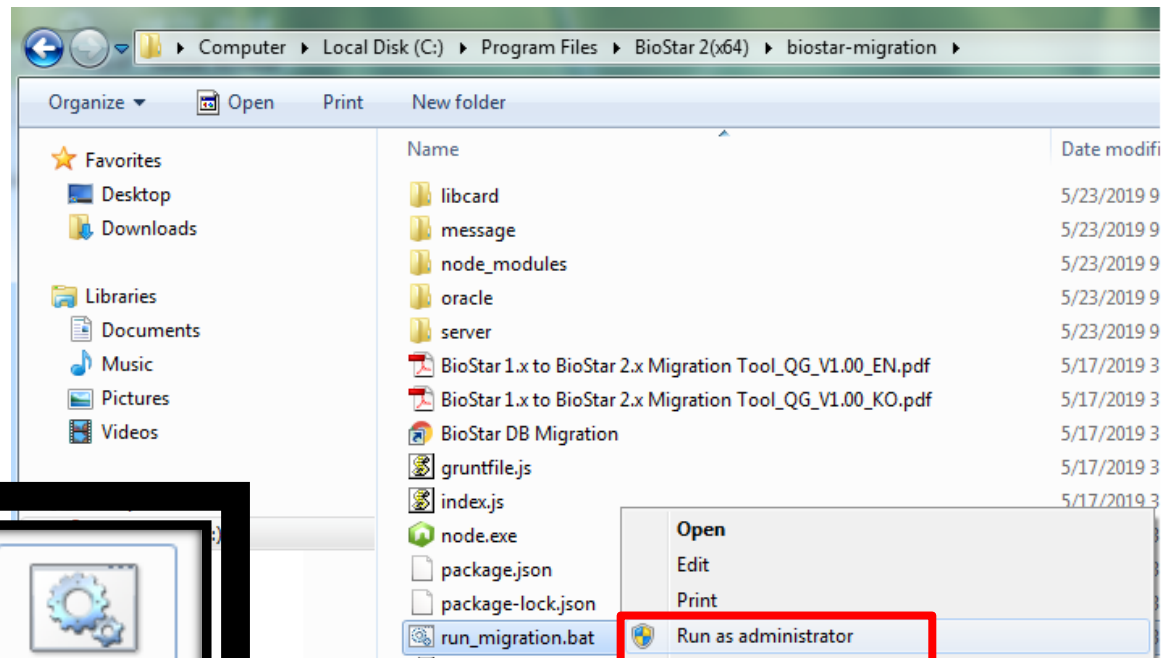
Data Migration (One-Time)



Data Migration (One-Time)

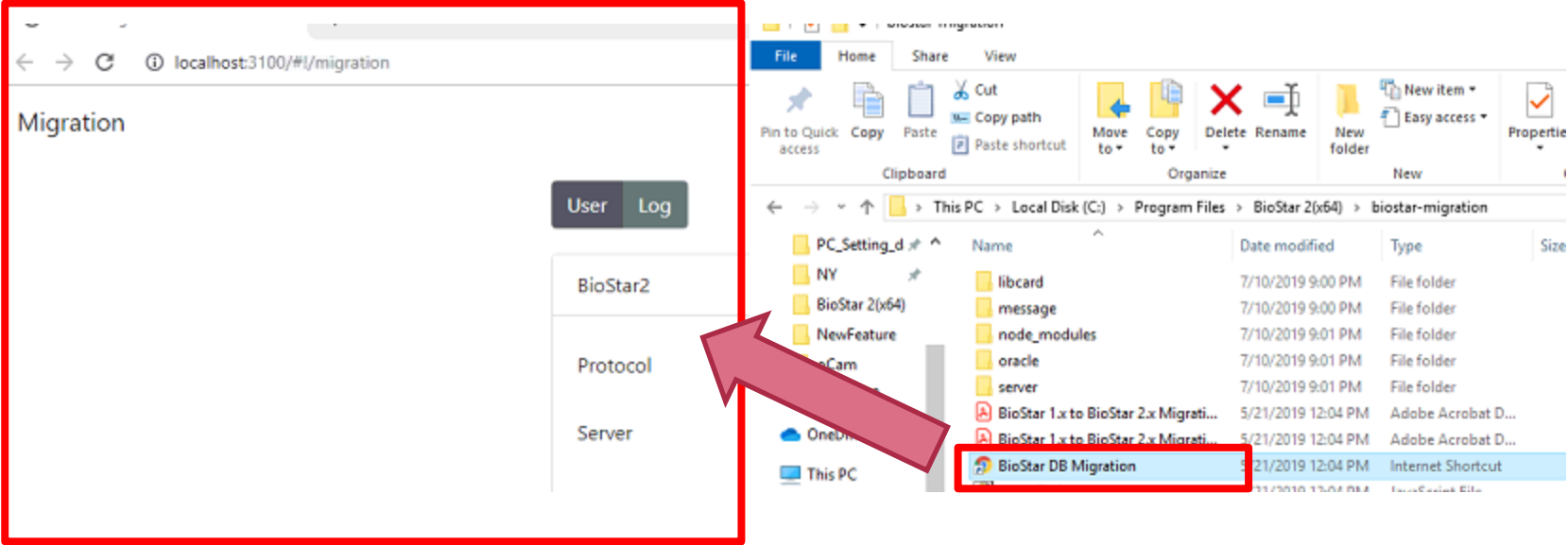


Migration Tool (BioStar 1.x > BioStar 2.x)



```
C:\Windows\System32\cmd.exe
"C:\Program Files\BioStar 2(x64)\biostar-migration"
"C:\Program Files\BioStar 2(x64)\biostar-migration"
"C:\Program Files\BioStar 2(x64)\biostar-migration\index.js"
"C:\Program Files\BioStar 2(x64)\biostar-migration\oracle"
listening on 3100.
```

Migration Tool (BioStar 1.x > BioStar 2.x)





Q&A

Will the visitor mode available in all versions, even at the free version?

- **NO.** To use the visitor management, you should purchase Visitor License of BioStar2

Does the Visitor management system support capturing of photo when visitor visits the site?

- **NO.** BioStar2 Visitor Management does NOT support for capturing photo. We will discuss if it can be added to the future version.

Does the Visitor management have report summary? And can the visitor can register remotely? By giving them the link for the registration via email or SMS?

- **NO.** It does NOT support any report types. It is not possible to register visitor information remotely without login Administrator at once. Please refer to the article below.
[\[BioStar 2\] How Visitor Management Works?](#)

Can we edit the title with visitor mode?

- **NO.** We do not support any editing on most of the titles.

How about kiosk module for self check in at site for VMS? Also can we add enrollment fingerprint reader to the assigned VMS PC?

- The self-registration does not support check in. The operator must approve the registered visitor for now. BioMini and BioMini Plus 2 are supported to v2.7.10 for self-registration.
[\[BioStar 2\] How To Set Up Self-Registration Page](#)
[\[BioStar 2\] How To Register Visitor Information by Self-Registration Page \(For Visitors\)](#)

Q&A

Can we add FaceLite or FaceStation 2 to the VMS self check in or kiosk so visitor can enrollment ahead their face or even finger if majority of device installed is fingerprint devices?

- **NO.** The face devices are not supported yet, but are planned to be included in the future version. This is on our road map.

Do you have a plan creating an app in playstore or Appstore for the VMS like the BioStar Mobile so it can be use in a kiosk?

- **NO.** We do not have a plan, and even though we have it looks to be a long way to go there.

We have to live server BioStar 1 and BioStar 2 since the old device still running for the purpose of double enrollment and reviewing of transaction. Does it have difference between migration tool and S-datalink?

- The S-Datalink and the migration tool are different tool.
S-DataLink is a customized tool for user synchronization and log synchronization between BioStar1 and BioStar2.
DB Migration tool which is provided by Biostar2 SW is one way synchronization tool.

What is the benefit of using quick enrollment face?

- If you set the quick enrollment, then it does not need to more time with enroll 3 steps procedures. The registration time is shorter than normal enrollment progress.

Why is FaceLite screen black? Is the quality of current enrollment and quick enrollment on face is the same?

- FaceLite does NOT have a visual camera unlike FaceStation 2. It only has the IR camera and that is the reason all images appear as grey color.
- Face Algorithm of the quick enrollment and the normal enrollment are same.

Q&A

In the slide of working 24 hours or longer(fixed shift), the weekend is Saturday and Sunday. How will it affect the cycle of 4?

- The extended working hours does not get affect to how the cycle is created. It will have no problem.

How many schedules can define with the new license model for TA?

- The number of the schedules from v2.7.6 does not have a limitation.

**THANK
YOU!**