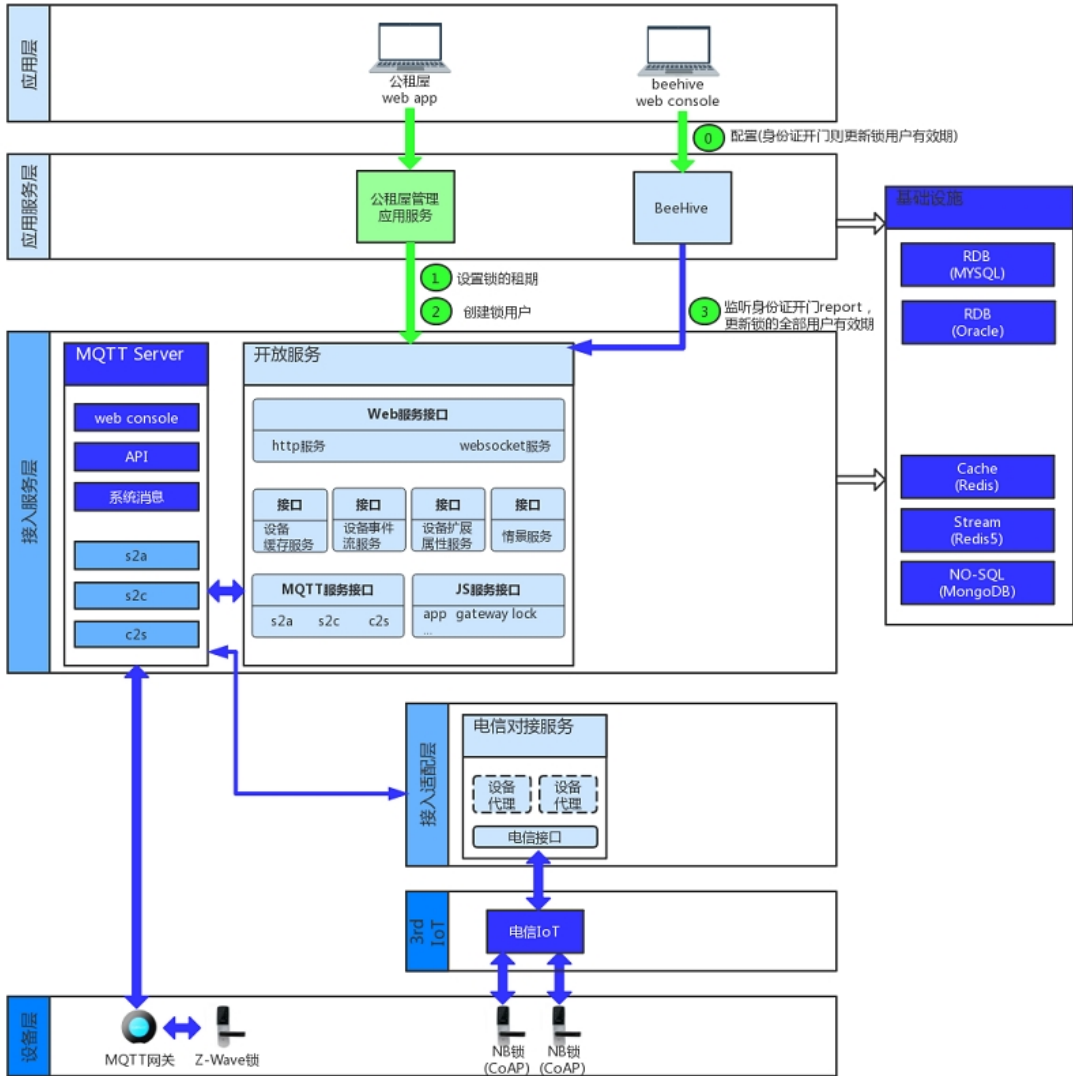


(公租房管理系统)如何实现刷身份证开门就延长锁用户有效期

V1.0

1. 系统架构及实现流程图



2. 流程步骤详细说明

2.0. beehive webconsole 上配置

Step1: 登录 beehive web console

浏览器访问 beehive web console, 如 <https://dev.isurpass.com.cn:8181>

登录

用户名:

admin

密码:

.

登录

用户名: admin

密码: 1

Step2: 创建 opendoorreport bee

BeehiveAdmin

https://dev.isurpass.com.cn:8181/hives/all

iPad Pro 1024 x 1366 50% Online

Available Hives

 Cron Triggers events at given intervals New Bee	 Email Lets you send emails New Bee	 HTTP Client Lets you trigger HTTP requests New Bee	 HTTP Server Reads to HTTP requests New Bee
 Nexmo Sends SMS messages New Bee	 Openweathermap Interacts with openweathermap New Bee	 Pushover Notifications Send pushover notifications New Bee	 Simplepush Lets you send (encrypted) push notifications to Android New Bee
 Time Triggers an event at a given time New Bee	 Twilio Sends SMS messages New Bee	 iLockEvent Lets receive iSurpass lock event report New Bee	 iLockService Lets you remote control iSurpass smart lock New Bee

BeehiveHivesBeesChains

Hive: iLockEvent

Name:

opendoorreport

Description:

open door event report

Settings

the event type: notification or alarm, * for all

notification

the event report name of lock, * for all

thing.event.DoorOpenNotification.post

the deviceid of gateway or lock, * for all

*

the nodeid which is lock in gateway, * for all

*

Create Bee

the event type 栏填: notification

the event report name 栏填: thing.event.DoorOpenNotification.post

Step3: 创建 lockservice bee

Beehive

Hives

Bees

Chains

Available Hives



Cron
Triggers events at given intervals

[New Bee](#)



Email
Lets you send emails

[New Bee](#)

http://

HTTP Client
Lets you trigger HTTP requests

[New Bee](#)

http://

HTTP Server
Reacts to HTTP requests

[New Bee](#)



Nexmo
Sends SMS messages

[New Bee](#)



Openweathermap
Interacts with openweathermap

[New Bee](#)



Pushover Notifications
Send pushover notifications

[New Bee](#)



Simplepush
Lets you send (encrypted) push notifications to Android

[New Bee](#)



Time
Triggers an event at a given time

[New Bee](#)



Twilio
Sends SMS messages

[New Bee](#)



iLockEvent
Lets receive iSurpass lock event report

[New Bee](#)



iLockService
Lets you remote control iSurpass smart lock

[New Bee](#)

Beehive

Hives

Bees

Chains

Hive: iLockService

Name:

Description:

Settings

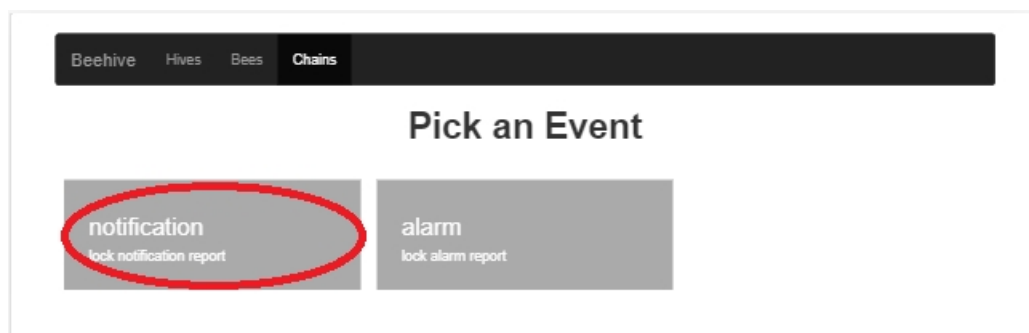
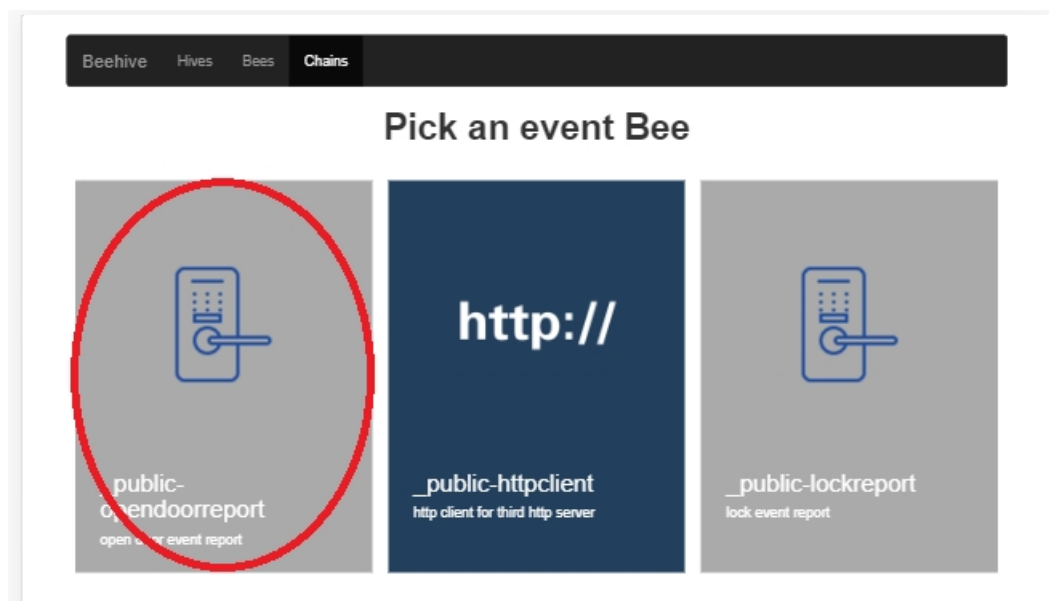
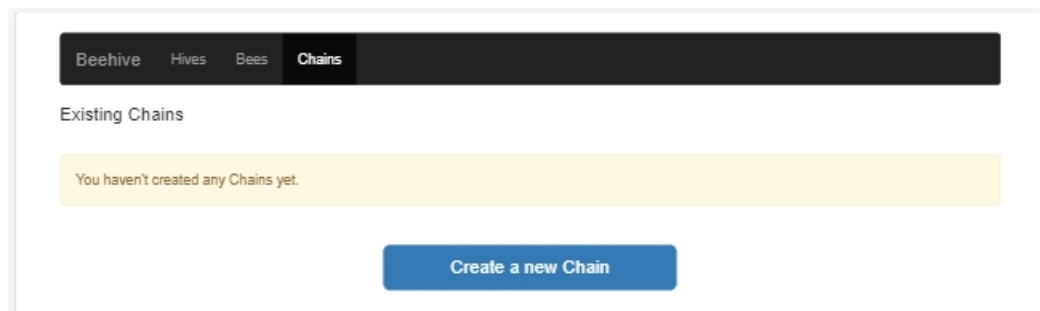
No configuration needed.

Create Bee

Step3: 创建 ifopendoorwithIDthenpostponevalidtime chain

trigger: opendoorreport bee

action: lockservice bee



Pick an Event

notification

lock notification report

alarm

lock alarm report

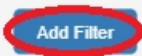
Configure Event Filters

Available parameters

Name	Description	Type
<code>type</code>	the event report type of lock	string
<code>report</code>	the event report name of lock	string
<code>deviceid</code>	the deviceid of the lock	string
<code>nodeid</code>	the nodeid which is the lock in gateway	int
<code>params</code>	the other params of the lock event	map[string]interface{}
<code>json</code>	the json data of the lock event	string
<code>attributes</code>	the attributes of the lock	map[string]interface{}

Examples

Filter	Description
<code>{{test eq .type "example"}}</code>	Matches when <code>type</code> equals <code>example</code>
<code>{{test HasPrefix .type "somePrefix"}}</code>	Matches when <code>type</code> starts with <code>somePrefix</code>
<code>{{test Contains .type "example"}}</code>	Matches when <code>type</code> contains <code>example</code>
<code>{{test eq .report "example"}}</code>	Matches when <code>report</code> equals <code>example</code>
<code>{{test HasPrefix .report "somePrefix"}}</code>	Matches when <code>report</code> starts with <code>somePrefix</code>
<code>{{test Contains .report "example"}}</code>	Matches when <code>report</code> contains <code>example</code>
<code>{{test eq .deviceid "example"}}</code>	Matches when <code>deviceid</code> equals <code>example</code>
<code>{{test HasPrefix .deviceid "somePrefix"}}</code>	Matches when <code>deviceid</code> starts with <code>somePrefix</code>
<code>{{test Contains .deviceid "example"}}</code>	Matches when <code>deviceid</code> contains <code>example</code>
<code>{{test eq .json "example"}}</code>	Matches when <code>json</code> equals <code>example</code>
<code>{{test HasPrefix .json "somePrefix"}}</code>	Matches when <code>json</code> starts with <code>somePrefix</code>
<code>{{test Contains .json "example"}}</code>	Matches when <code>json</code> contains <code>example</code>

Find more examples in our [Wiki](#).A blue button with rounded corners and a red border, containing the text "Add Filter".

Configure Event Filters

Available parameters

Name	Description	Type
<i>type</i>	the event report type of lock	string
<i>report</i>	the event report name of lock	string
<i>deviceid</i>	the deviceid of the lock	string
<i>nodeid</i>	the nodeid which is the lock in gateway	int
<i>params</i>	the other params of the lock event	map[string]interface{}
<i>json</i>	the json data of the lock event	string
<i>attributes</i>	the attributes of the lock	map[string]interface{}

Examples

Filter	Description
{{test eq .type "example"}}	Matches when type equals example
{{test HasPrefix .type "somePrefix"}}	Matches when type starts with somePrefix
{{test Contains .type "example"}}	Matches when type contains example
{{test eq .report "example"}}	Matches when report equals example
{{test HasPrefix .report "somePrefix"}}	Matches when report starts with somePrefix
{{test Contains .report "example"}}	Matches when report contains example
{{test eq .deviceid "example"}}	Matches when deviceid equals example
{{test HasPrefix .deviceid "somePrefix"}}	Matches when deviceid starts with somePrefix
{{test Contains .deviceid "example"}}	Matches when deviceid contains example
{{test eq .json "example"}}	Matches when json equals example
{{test HasPrefix .json "somePrefix"}}	Matches when json starts with somePrefix
{{test Contains .json "example"}}	Matches when json contains example

Find more examples in our [Wiki](#).

Filter #0

{{test eq (IntValOfKey .params "Mode") 4}}

Delete Filter

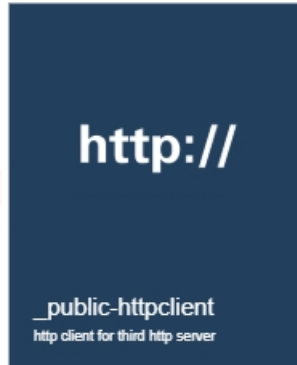
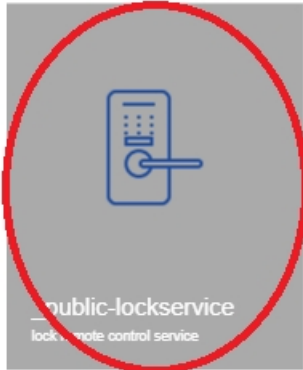
Add Filter

Continue

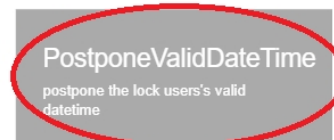
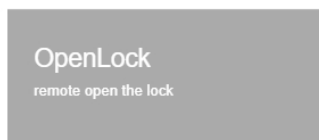
过滤条件表示式填：{{test eq (IntValOfKey .params "Mode") 4}}

含义是：开门方式值是 4(Mode 0-机械钥匙 1-密码 2-指纹 3-卡 4-身份证 5-App 远程)

Pick an action Bee



Pick an Action



Pick an Action

OpenLock

remote open the lock

CloseLock

remote close the lock

PostponeValidDateTime

postpone the lock users's valid datetime

Configure Action Parameters

Available parameters

Name	Description	Type
<i>type</i>	the event report type of lock	string
<i>report</i>	the event report name of lock	string
<i>deviceid</i>	the deviceid of the lock	string
<i>nodeid</i>	the nodeid which is the lock in gateway	int
<i>params</i>	the other params of the lock event	map[string]interface{}
<i>json</i>	the json data of the lock event	string
<i>attributes</i>	the attributes of the lock	map[string]interface{}

the deviceid of gateway or lock:

the nodeid which is lock in gateway, the value must is 1 for NB-IoT lock:

lock user type: 0-all 1-password 2-fingerprint 3-MF card 4-ID card:

lock user level: 0-all 1-admin 2-common 4-temp:

lock user valid start datetime, the format is yyyy-mm-dd HH:MM:

postpone value is int:

1

day or month or year:

month

postpone end datetime to which is max value, the format is yyyy-mm-dd HH:MM:

{{StringValOfKey .attributes "RentEnd"}}

Describe this Chain

Name:

postponelockuservalidtime

Description:

postpone lockuser's valid datetime

Create Chain

其中表达式`{{.deviceid}}` `{{.nodeid}}`表示当前 trigger 设备的网关 id 和设备节点 id, 即 action 设备和 trigger 设备是同一个设备
表达式`{{StringValOfKey .attributes "RentStart"}}`表示锁用户的有效期起始日期时间取锁的租期开始日期时间
表达式`{{StringValOfKey .attributes "RentEnd"}}`表示锁用户的有效期最大日期时间取锁的租期结束日期时间, 即锁用户延期后的结束日期时间不能超过这个最大值

BeehiveHivesBeesChains

postponelockuservalidtime

postpone lockuser's valid datetime

Triggered by Event

Bee	Hive	Event
_public-opendoorreport	iLockEvent	notification

Runs through Filters

Value
{{test eq (IntValOfKey .params "Mode") 4}}

Triggers Actions

Name	Hive	Action
_public-lockservice	iLockService	PostponeValidDateTime

With Parameters

Name	Type	Value
DeviceID	string	{{.deviceid}}
NodeID	int	{{.nodeid}}
UserType	int	0
UserLevel	int	2
ValidStartDateTime	string	{{StringValOfKey .attributes "RentStart"}}
PostponeValue	int	1
PostponeUnit	string	month
MaxValidEndDateTime	string	{{StringValOfKey .attributes "RentEnd"}}

2.1. 设置锁的租期属性

RentStart: 锁的租期开始日期时间

RentEnd: 锁的租期结束日期时间

See 开放服务接口文档的 4.1.4 设置节点设备扩展属性

【示例】

GET http://dev.isurpass.com.cn:8888/app

Params Auth Headers (1) Body Pre-req. Tests Cookies Code (0)

none form-data x-www-form-urlencoded raw binary

Text

```
1 {
2   "method": "thing.service.SetNodeExtendedAttribute",
3   "deviceid": "iRemote2005100002115",
4   "nodeid": 1,
5   "params": {
6     "Name": "NB-IoT测试锁",
7     "RentStart": "2019-01-01 00:00",
8     "RentEnd": "2019-12-31 23:59"
9   }
10 }
11
```

Status: 200 OK Time: 42 ms Size: 1

Body Cookies (4) Headers (3)

Pretty Raw Preview

```
1 {
2   "resultcode": 1
3 }
```

2.2. 创建锁用户

See [开放服务接口文档的 2.3.1 增加/修改锁用户](#)