API for SentryLink APP users

Overview

- API designed as REST style。
- Using HTTP Response code show Results or Errors.
- It is easy to understand for using Http built-in characters such as and HTTP post/Get methods and HTTP Authentication.
- All APIs request will return with regular and friendly Jason Objects format.

*********************************** NOTICE ***************************************

At the project beginning, apply for a rc4 key from doordeer R&D Center please.

All interfaces of Jason are encrypted by rc4 and base64.

*********************************** NOTICE ***************************************

Characters

Property Manager	● Create/edit building intercom ● Create/edit/revoke PIN/doorcode/NFC card ● Create/edit tenants information
Landlord	● Add tenants of his own apartment room ● Assign certain email account as room master ● Modify his own PIN（permanent key）
Tenants	● Unlock with PIN/NFC/doorcode/app ● Create/share/revoke doorcode ● Monitor the door gate via doordeer camera ● Playback Cloud unlock events history ● Receive push notification and unlock remotely ● Modify his own permanent key

About keys

PIN	APP user has his/her own key password which can be modified
doorcode	Temporary key which generate by app user, and share to others

About APP Account

Master	The account which is assigned room master by landlord or Property manager.
Sub-master	The accounts whose device is shared by master account.

10001 【User account Signup】

A. Request

1. Description：APP user account register
2. URL：https://doorbell.push2u.com/api/reg
3. Method：POST
4. Paramerers：{"comid":"company ID or key", "account"："user account", "phone_num"："mobile phone number", "mail_address"："email address", "passwd"："password", "account_type"："account type", "phone_lang"："mobile phone language"}

Parameters	Description
comid	(String) Each APP has its own ID, apply from doordeer in advance
account	(String) mailbox address as account. Activation and findback via it
phone_num	(String) mobile phone number - optional
mail_address	(String) mailbox address
passwd	(String) password
account_type	(Int) [1=Property manager 2=Landlord or room master 3=APP account(tenants)
phone_lang	(String) mobile phone language

B. Return

Return : { "re" :" result" }

Response [integer]

1: success
2: failure
3: fail and lack of parameters
4: Signed but NOT activate yet
5: Signed and activated

10002 【get device list】

A. Request

1. Usage：APP login and get device list
2. URL：https://doorbell.push2u.com/api/sign
3. Method：POST
4. Paramerers：{ "comid" :" company ID or key ", "account" :" app account" , "passwd" :" password" , "account_type" :" account type" }

Parameters	Description
comid	(String) Each APP has its own ID, apply from doordeer in advance
account	(String) mailbox address as account. Activation and findback via it
passwd	(String)password
account_type	(Int) [1=Property manager 2=Landlord or room master 3=APP account(tenants)

B. Return

Return：{ "re" :" result" ," list" :" device list" }
Response re [integer]
1: success
2: failure
3: fail and lack of parameters

Response list [Jason]
{ "gid" : device GID," gid_passwd" :gid password," gid_type" :" device type" ," gid_model" :" device model" ," lock_passwd" :" fixed lock password" ," lock_id" :" list the locks ID of this account ";" vir_chn_no" :" each room has its virtual channel number" ," timezone" :time zone," main_sub_flag" :master or sub-master account , "unit_label" : "room label" , " uilding_name" : "building name" }

Parameters	Description
gid	(String) each device has its own ID named GID
gid_passwd	(String) the password to login the device
gid_type	(Int) 1=doorbell 2=IPCamera
gid_model	(String) device model
lock_passwd	(String) to unlock using this fixed password
lock_id	(String) lock id and its alias such as "A002" : Rear lock
vir_chn_no	(Int) each room has its unique number named: virtual channel number
timezone	(Int) timezone
main_sub_flag	(Int) account type 1=master 2=landlord 3=landlord and master 0=sub-master

10003 【upload app token after logined】

A. Request

1. Description：APP user account login to upload token
2. URL：https://doorbell.push2u.com/api/updatetokens
3. Method：POST
4. Paramerers : { "comid" :" company id" ," account" :" account" , " passwd" :" password" ," list" :" push notification type and token list" }

Parameters	Description
comid	(String) Each APP has its own ID, apply from doordeer in advance
account	(String) mailbox address as account. Activation and findback via it
passwd	(String) password

list	(array)
	{
	    {
	        "push_type": (int) PUSH notification platform
	        ,"phone_type": (int) 1=ios 2=android,
	        "app_key": (String) key or package name
	        "app_token": (String) app_token,
	        "pem": (String) iOS Certificate,
	        "PopupActivity": (String) Android 3rd PUSH URL , ios is empty
	    },
	    {
	        "push_type": (int) PUSH notification platform
	        ,"phone_type": (int) 1=ios 2=android,
	        "app_key": (String) key or package name
	        "app_token": (String) app_token,
	        "pem": (String) iOS Certificate,
	        "PopupActivity": (String) Android 3rd PUSH URL , ios is empty
	    },
	}

B. Return

Return : { "re" : "result" }

Response re [integer]

1: success
2: failure
3: fail and lack of parameters
4: login failed
5: empty device list

10004 【create doorcode】

A. Request

1. Usage：APP login and create doorcode
2. URL：https://doorbell.push2u.com/api/getQrCode
3. Method：POST
4. Paramerers：{"comid":"company id","account":"account","passwd":"password","gid":"device id","lock_id":"to unlock which lock","valid_type":"doorcode type","vkey_name"：" virtual key name "，"valid_from_date":"valid from","valid_to_date":"valid to","valid_from_time":"valid from time","valid_to_time":"valid to time"，"vir_channel_no"：" virtual channel number(room number" }

Parameters	Description
comid	(String) Each APP has its own ID, apply from doordeer in advance
account	(String) mailbox address as account. Activation and findback via it
lock_id	(String) authorized to unlock lock list "A01,A02,A03"
vkey_name	(String) doorcode name to record some relative information
valid_type	(Int) default=3
valid_from_date	(Int) such as 20180612 means 12th June,2018
valid_to_date	(Int) such as 20180613 means 13th June,2018
valid_from_time	(Int) such as 093455 means 09:34:55
valid_to_time	(Int) such as 103455 means 10:34:55
vir_channel_no	(Int) each room has its unique number named: virtual channel number

B. Return

Return：{ "re"：" result"，"passwd_url":"doorcode url"}

Response re [integer]

1: success
2: failure
3: fail and lack of parameters
4: login failed
5: gid not in device list of the account
6: invalid gid

Response passwd_url [String]

1: URL of the doorcode QR image

10005 【Landlord assign certain account as room master】

A. Request

1. Usage : Landlord using his account login, he can assign certain account as room master, usually room master is the room tenant.
2. URL : https://doorbell.push2u.com/api/Authowner
3. Method : POST
4. Paramerers : {"comid":"company   id", "account":"account", "passwd":"password", "auth_account":"the account to be assigned ", "gid":"device id" , "vir_channel_no" :" virtual channel number" }

Parameters	Description
comid	(String) Each APP has its own ID, apply from doordeer in advance
account	(String) mailbox address as account. Activation and findback via it
passwd	(String) password
auth_account	(String) the account to be assigned as room master.
gid	(String) device GID
vir_channel_no	(int) virtual channel number of the room unique number

B. Return

Return : { "re" :" result" }
Response [integer]

1: success
2: failure
3: fail and lack of parameters
4: wrong account name or password
5: NOT landlord account
6: wrong account which to be assigned

10006 【landlord update new room master account】

A. Request

1. Usage : Landlord using his account login, he can delete or update new account as room master.
2. URL : https://doorbell.push2u.com/api/AuthChange
3. Method : POST
4. Paramerers : {"action_type":"action type","comid":"company id","account":"account","passwd":"password","auth_account":"account to be assigned","gid":"device id" , "vir_channel_no" :" virtual channel number" }

Parameters	Description
action_type	(int) 0=delete 1=update
comid	(String) Each APP has its own ID, apply from doordeer in advance
account	(String) mailbox address as account. Activation and findback via it
passwd	(String) password
auth_account	(String) the account to be assigned as room master.
gid	(String) device GID
vir_channel_no	(int) virtual channel number of the room unique number

B. Return

Return : { "re" :" result" }

Response [integer]

1: success
2: failure
3: fail and lack of parameters
4: wrong account name or password
5: NOT landlord account
6: wrong account which to be assigned
7: (reserve)
8: (reserve)
9: wrong action_type parameter

10007 【master account share device to sub-master account】

A. Request

1. Usage : master account can share device to sub-master account.
2. URL : https://doorbell.push2u.com/api/ShareAdd
3. Method : POST
4. Paramerers : {"comid":"company id","account":"account","passwd":"password","share_account":"account to be shared","gid":"device id" ,"vir_channel_no":" virtual channel number}

Parameters	Description
comid	(String) Each APP has its own ID, apply from doordeer in advance
account	(String) mailbox address as account. Activation and findback via it
passwd	(String) password
auth_account	(String) the account to be shared as room sub-master
gid	(String) device GID
vir_channel_no	(int) virtual channel number of the room unique number

B. Return

Return : { "re" :" result" }

Response [integer]

1: success
2: failure
3: fail and lack of parameters
4: wrong account name or password
5: NOT master account
6: wrong account which to be shared
7: duplicate operation

10008 【Master account revoke sharing】

A. Request

1. Usage：master account can revoke share by deleting the sub-master accounts list
2. URL：https://doorbell.push2u.com/api/Sharedel
3. Method：POST
4. Paramerers : {"comid":"company id","account":"account","passwd":"password","share_account":"account to be shared","gid":"device id" ,"vir_channel_no":" virtual channel number}

Parameters	Description
comid	(String) Each APP has its own ID, apply from doordeer in advance
account	(String) mailbox address as account. Activation and findback via it
passwd	(String) password
auth_account	(String) the account to be shared as room sub-master
gid	(String) device GID
vir_channel_no	(int) virtual channel number of the room unique number

B. Return

Return : { "re" :" result" }
Response [integer]
1: success
2: failure
3: fail and lack of parameters
4: wrong account name or password
5: NOT master account
6: Wrong sub-master account
7: NO sub-master share record

10009 【APP revoke doorcode】

A. Request

1. Usage：APP account can revoke doorcode ever shared
2. URL：https://doorbell.push2u.com/api/DelTemPwd
3. Method：POST
4. Paramerers：{"comid":"company id","account":"account","passwd":"password","temporary_passwd":"doorcode means temporary key"}

Parameters	Description
comid	(String) Each APP has its own ID, apply from doordeer in advance
account	(String) mailbox address as account. Activation and findback via it
passwd	(String) password
temporary_passwd	(String) doorcode

B. Return

Return：{ "re"："result" }

Response [integer]

1: success
2: failure
3: fail and lack of parameters
4: wrong account name or password
5: NO this doorcode

10010 【APP forgot password】

A. Request

1. Usage : APP account can via "forgot password" find back pasword
2. URL : https://doorbell.push2u.com/api/Resetpwd
3. Method : POST
4. Paramerers : {"comid":"company id","account":"account","act_type":"action type"}
5.

Parameters	Description
comid	(String) Each APP has its own ID, apply from doordeer in advance
account	(String) mailbox address as account. Activation and findback via it
passwd	(String) password
act_type	(int) 1=email address 2=mobile phone

B. Return

Return : { "re" :" result" }

Response [integer]

1: success
2: failure
3: fail and lack of parameters
4: NO this account
5: wrong email address format

10011 【master get share list】

A. Request

1. Usage：APP account login and get share list
2. URL：https://doorbell.push2u.com/api/ShareList
3. Method：POST
4. Paramerers：{"comid":"company id","account":"account","passwd":"password","gid":"device GID"，"vir_channel_no"："virtual channel number}

Parameters	Description
comid	(String) Each APP has its own ID, apply from doordeer in advance
account	(String) mailbox address as account. Activation and findback via it
passwd	(String) password
auth_account	(String) the account to be shared as room sub-master
gid	(String) device GID
vir_channel_no	(int) virtual channel number of the room unique number

B. Return

Return：{ "re"："result"，"list":"share list"}

Response re [integer]

1: success
2: failure
3: fail and lack of parameters
4: login failed
5: NOT master account

Response list [array]

1: {
    { "account"："sub_account1"，"gid"："GID" }，
    { "account"："sub_account2"，"gid"："GID" }
}

10012 【logout】

A. Request

1. Usage：APP account logout
2. URL：https://doorbell.push2u.com/api/Quit
3. Method：POST
4. Paramerers：{"comid":"company id","account":"account","passwd":"password" }

Parameters	Description
comid	(String) Each APP has its own ID, apply from doordeer in advance
account	(String) mailbox address as account. Activation and findback via it
passwd	(String) password

B. Return

Return：{ "re"："result" }

Response re [integer]

1: success
2: failure
3: fail and lack of parameters
4: login failed

10013 【to get room master account】

A. Request

1. Usage : APP account login and get room master account
2. URL : https://doorbell.push2u.com/api/GetMainer
3. Method : POST
4. Paramerers : {"comid":"company id","account":"account","passwd":"password","gid":"device GID" ,"vir_channel_no":"virtual channel number}

Parameters	Description
comid	(String) Each APP has its own ID, apply from doordeer in advance
account	(String) mailbox address as account. Activation and findback via it
passwd	(String) password
auth_account	(String) the account to be shared as room sub-master
gid	(String) device GID
vir_channel_no	(int) virtual channel number of the room unique number

B. Return

Return : {"re":"result" , " mainer ":"room master account"}

Response re [integer]

1: success
2: failure
3: fail and lack of parameters
4: login failed
5: NOT landlord account

Response mainer [string]

1: room master account

10014【to get event records】

A. Request

1. Usage : APP account login and get event records such as calling and unlocking,all these records saved in the doordeer cloud.
2. URL : https://doorbell.push2u.com/api/GetAkeysHis
3. Method : POST
4. Paramerers : {"comid":"company id","account":"account","passwd":"password","gid":"device GID" ,"start":"from records-number" , "end":"to records-number" }

Parameters	Description
comid	(String) Each APP has its own ID, apply from doordeer in advance
account	(String) mailbox address as account. Activation and findback via it
passwd	(String) password
gid	(String) device GID
vir_channel_no	(int) virtual channel number of the room unique number
Start	(int) the record number will list from
End	(int) the record number will list to

B. Return

Return : { "re":"result" , " list ":"events record list"}

Response re [integer]

1: success
2: NO records
3: fail and lack of parameters
4: login failed
5: NO this virtual channel number

Response list [array]

1: {

    {

        "event_type":int event type,0 = call,1 = answered,2 = doorcode unlocked , 3=pin unlocked ,   4=app unlocked , 5=IC/NFC card

        "event_time":String , datetime of event ,

        "vkey_name":String , doorcode name , when event_type=2,

        "account":String , app account , when event_type = 3 or 4,

    },

    ......

}

10015【to get doorcode list】

A. Request

1. Usage：APP account login and get all he ever created doorcodes
2. URL：https://doorbell.push2u.com/api/GetQrList
3. Method：POST
4. Paramerers：{"comid":"company id","account":"account","passwd":"password" , "gid":"gid","start":"start", "num":"number","vir_channel_no":"virtual channel number"}

Parameters	Description
comid	(String) Each APP has its own ID, apply from doordeer in advance
account	(String) mailbox address as account. Activation and findback via it
passwd	(String) password
gid	(String) device GID
vir_channel_no	(int) virtual channel number of the room unique number
Start	(int) the record number will list from
Num	(int) the record number will get

B. Return

Return：{ "re":"result" , " list":"doorcodes list"}

Response re [integer]

1: success
2: NO records
3: fail and lack of parameters
4: login failed
5: NO this virtual channel number

Response list [array]

```
1:   {
        {
            vkey_name: doorcode name (optional),
            valid_type: valid type
            valid_from_date: valid from which day
            valid_to_date: valid to which day
            valid_from_time: valid from what time
            valid_to_time: valid to what time
            vkey_data: doorcode number 8-bit
            vkey_url: doorcode QR code image's URL
            lock_id: doorcode to unlock lock it, separate by comma
            valid_flag : expired or not, 1=available 0=expired
        },
        ......
    }
```

10016【upload profile picture】

A. Request

1. Usage：APP account login and upload profile picture
2. URL：https://doorbell.push2u.com/api/UploadHeadImg
3. Method：POST
4. Paramerers：{"comid":"company id","account":"account","passwd":"password"，"filedata"："file binary data"，"fileext"："file extension"}

Parameters	Description
comid	(String) Each APP has its own ID, apply from doordeer in advance
account	(String) mailbox address as account. Activation and findback via it
passwd	(String) password
filedata	(data) picture raw binary data
fileext	(String) file extension such as .jpg .bmp .png

B. Return

Return：{ "re"："result"，" head_url l ":"picture url "}

Response re [integer]

1: success
2: failure
3: fail and lack of parameters
4: login failed
5: NOT support format, (support .jpg and .png only at the present.)
6: failed to transform picture format.

Response head_url [string]

1: picture URL