cloud solution WEBSOCKET+JSON protocol

Revision history

Date	Version	Note	Author
2016-03-25	1.0	The original version	Chingzou
2016-03-25 2016-04-20 2016-04-21	1.0	1.Senduser, getuserinfo,setfp,setcard,setpwd:add user name item. 2. add deleteuserlock,cleanuserlock function 1. add the function of "setuserinfo",can set fingerprint,password,card. 2. delete the function of "set fp","setcard","setpwd",for these are replace of setuserinfo 3. mofify the function "deleteuser",when set the backupnum 0~9:delete finger. 10:delete password ,11:delete card ;12: elete the user of all fingerprint; 13:delete the user all info:fingerprint,password,card	Chingzou
2016-05-17	1.3	and name. 4 modify the function of :getuserlist, getnewlog,getalllog. When the log if empty, it will return success and the cout is 0 1,add the function "reboot".	Chingzou
2016-05-25	1.4	Add the function "settime"	Chingzou
2016-07-06	1.5	Add the note of the log	Chingzou

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Note:

- 1. Use websocket protocol to communication, the websocket version is RFC6455 13, The default listen port is 7788, no TLS encrypt.
- 2. The data format use Json.you can use javascript to Serializer and Deserialize very easy.
- 3. All the key value of json use lower-char.the name or all chinese char use UTF8 encoded.
- 4. About backupnum:0~9:fingerprint 10:password; 11:rfid card. One user can have 10 fingerprints and one password and one one rfid card.

1)Terminal active send data to server

1. Register

```
Terminal send register message:
  "cmd": "reg", //command
  "sn","ZX0006827500", //Terminal serial number, fixed by the manufactory, unique
  "devinfo",{
             "modelname":"tfs30",
             "usersize":3000,
                                  //user capacity 1000/3000/5000
             "fpsize":3000,
                                 //fingerprint capacity 1000/3000/5000
             "cardsize":3000,
                                 //rfid card capacity 1000/3000/5000/10000
             "pwdsize":3000,
                                  //password capacity
             "logsize":100000,
                                 //logs capacity
             "useduser":1000,
             "usedfp":1000,
             "usedcard":2000,
             "usedpwd":400,
             "usedlog":100000,
             "usednewlog":5000,
             "fpalgo":"thbio3.0", //fingerprint algorithm
                                                           thbio1.0 or thbio3.0
             "firmware": "th600w v6.1", //terminal firmware
             "time":"2016-03-25 13:49:30" //terminal datetime
             }
}
Server response message:
Success:
  "ret":"reg", //command
  "result":true,
  "cloudtime":"2016-03-25 13:49:30" //server now time
}
Fail:
  "ret":"reg",
```

```
"result":false,
  "reason":1
}
   Send the logs
2.
Terminal send the message:
 "cmd":"sendlog",
 "count":2,
 "record":[
             "enrollid":1,
             "time": "2016-03-25 13:49:30",
             "mode":0, //0 fp 1:card 2:pwd
             "inout":0, //0 in 1:out
             "event":0 // normal is 0 ,tfs20/tfs30 model have f1~f4 key pad, can customization
             },
             "enrollid":2,
             "time": "2016-03-25 13:49:30",
             "mode":0,
             "inout":0,
             "event":1
             }
 ]
Server response message:
Success:
  "ret": "sendlog",
  "result":true,
  "cloudtime":"2016-03-25 13:49:30"
}
Fail:
  "ret": "sendlog",
  "result":false,
  "reason":1
}
Note: about the logs
When the enrollid != 0 then:
       Mode: 0 fp, 1,card 2,password : it means the user use the fingerprint/card/password to
                                        access
```

Inout: //0 in 1:out :it means the user use the master machine or the child machine to access (the access controler can add a child machine to work. Normal

the master machine inside the door and the child machine ouside the door)

```
Event: 0~16: customization ,must work with the software, some machine have the key (F1~F4).when press F1 key and verifyed ok ,the value is 1.and the software can set this key as onduty
```

```
When the enrollid = 0 then

Mode: 0;
Inout: 1:
Enent: the status or the event of the door.

typedef enum
{

UI_MGLOG_CLOSED,//door is closed

UI_MGLOG_OPENED, //dorr is opened

UI_MGLOG_HAND_OPEN, //use exit button to open the door

UI_MGLOG_PROG_OPEN, //use software to open the door

UI_MGLOG_PROG_CLOSE, //use software to close the door

UI_MGLOG_ILLEGAL_OPEN, //the door is illegal opend

UI_MGLOG_ILLEGAL_REMOVE, //the machine is removed

UI_MGLOG_ALARM, //input alarm

} T_UI_MGLOG_TYPE;
```

3. Send user information

Note:When use keypad to add new user, and then send this message to server

Terminal send the message:

```
Fingerprint:
 "cmd": "senduser",
 "enrollid":1,
"name":"chingzou",
 "backupnum":0, //0~9 fingerprint
 "admin":0,
 "record","kajgksjgaglas" //the string length less then 1620 for THbio3.0 and less 1024 for THbio1.0
Rfid card:
 "cmd": "senduser",
 "enrollid":1,
 "name":"chingzou",
 "backupnum":11,
 "admin":0,
 "record",2352253
}
password:
```

```
"cmd":"senduser",
 "enrollid":1,
 "name":"chingzou",
 "backupnum":10,
 "admin":0,
 "record",12345678 //max 8 digit
Server response message:
Success:
  "ret":"senduser ",
  "result":true,
  "cloudtime": "2016-03-25 13:49:30"
}
Fail:
  "ret":"senduser ",
  "result":false,
  "reason":1
}
```

2)Server active push message to terminal

```
1. Get user list
```

```
},
              "enrollid":2,
              "admin ":1,
              "backupnum":0
            },
              "enrollid":3,
              "admin ":0,
              "backupnum ":10 //this is Rfid card
            },
            .....
  ]
}
Server response message:
  "cmd":"getuserlist",
  "stn":false//response package, should set to false
}
Terminal send the second package again:
  "ret":"getuserlist",
  "result":true,
  "count ":40, //1~40
  "from": 40,
  "to":79,
  "record":[
              "enrollid":1234,
              "admin ":0,
              "backupnum":0
            },
             "enrollid":2345,
              "admin ":1,
              "backupnum":0
             "enrollid":5677,
              "admin ":0,
              "backupnum":10
            },
            .....
  ]
```

```
}
Whe users is empty: the machine return:
  "ret":"getuserlist",
  "result":true,
  "count ":0,
  "from":0,
  "to":0,
  "record ":[]
}
Fail:
  "ret":"getuserlist",
  "result":false,
  "reason":1
}
   Get user information
Fingerprint:
  "cmd":" getuserinfo "
  "enrollid":1,
  "backupnum":0
Terminal response message:
success:
  "ret":" getuserinfo ",
  "result":true,
 "enrollid":1,
 "name":"chingzou",
 "backupnum":0,
  "admin":0,
  "record": "aabbccddeeffggddssiifdjdkjfkjdsjlkjal",
}
Fail:
  "ret":"getuserinfo ",
  "result":false,
  "reason":1
}
Rfid card:
{
```

```
"cmd":"getuserinfo"
  "enrollid":1,
  "backupnum":11
}
Terminal response message:
Success:
  "ret":"getuserinfo ",
  "result":true,
  "enrollid":1,
  "name":"chingzou",
  "backupnum":11,
  "admin":0,
  "record":23532253
}
Fail:
  "ret":"getuserinfo ",
  "result":false,
  "reason":1
}
Password:
  "cmd":"getuserinfo"
  "enrollid":1,
  "backupnum":10
Terminal response message:
Success:
  "ret":"getuserinfo ",
  "result":true,
  "enrollid":1,
  "name":"chingzou",
  "backupnum":10,
  "admin":0,
  "record":23532253
}
Fail:
  "ret":"getuserinfo ",
  "result":false,
  "reason":1
}
```

3. Download user information

```
Fingerprint:
Server send message:
  "cmd":"setuserinfo",
  "enrollid":1,
  "name":"chingzou",
  "backupnum",0,
  "admin":0,
  "record": "aabbccddeeffggddssiifdjdkjfkjdsjlkjalflsgsadg"\\
}
Password:
  "cmd":"setuserinfo",
  "enrollid":1,
  "name":"chingzou",
  "backupnum",10,
  "admin":0,
  "record":12345678
}
Rfid card:
  "cmd":"setuserinfo",
  "enrollid":1,
  "name":"chingzou",
  "backupnum",11,
  "admin":0,
  "record":2352253
}
2、Terminal response message:
Success:
  "ret": "setuserinfo",
  "result":true
}
Fail:
  "ret": "setuserinfo",
  "result":false,
  "reason":1
}
```

4. Delete user information

Server send message:

```
{
  "cmd":"deleteuser"
  "enrollid",1,
  "backupnum":0 //0~9 fp; 10: password 11:card
}
Terminal response message:
Success:
  "ret":"deleteuser",
  "result":true
}
Fail:
  "ret":"deleteuser",
  "result":false,
  "reason":1
}
5. Get user name
Server send message:
  "cmd":"getusername",
  "enrollid":1
}
Terminal response message:
Success:
  "ret": "getusername",
  "result":true,
  "record": "chingzou" // utf8 or ascii
}
Fail:
  "ret": "getusername",
  "result":false,
  "reason":1
}
6. Set user name
Server send message:
  "cmd":"setusername",
  "count":50, // must less then 50 record per package
   "record",[
```

```
{
                 "enrollid":1,
                 "name":"chingzou"
              },
                 "enrollid":2,
                 "name":"chingzou2"
              },
             ]
}
Terminal response message:
Success:
  "ret":"setusername",
  "result":true
}
Fail:
  "ret": "setusername",
  "result":false,
  "reason":1
}
7. Clean all users
Server send message:
  "cmd":"cleanuser"
Terminal response message:
Success:
  "ret":"cleanuser",
  "result":true
}
Fail:
  "ret":"cleanuser",
  "result":false
  "reason":1
}
```

8. Get new logs

Server send message:

```
{
 "cmd":"getnewlog",
 "stn":true
}
Terminal response message:
Success:
  "ret":"getnewlog",
  "result":true,
  "count":1000,
  "from":0,
  "to":49,
  "record":[
                   "enrollid":1,
                   "time": "2016-03-25 13:49:30",
                   "mode":0, //0 fp 1:card 2:pwd
                   "inout":0, //0 in 1:out
                   "event":0
                   "enrollid":2,
                   "time": "2016-03-25 13:49:30",
                   "mode":0, //0 fp 1:card 2:pwd
                   "inout":0, //0 in 1:out
                   "event":1
                 }
             ]
}
Server response message:
 "cmd":"getnewlog",
 "stn":false
Terminal send the second package:
  "ret": "getnewlog",
  "result":true,
  "count":1000,
  "from":50,
  "to":99,
  "record":[
                  {
```

```
"enrollid":111,
                   "time": "2016-03-25 13:49:30",
                   "mode":0, //0 fp 1:card 2:pwd
                   "inout":0, //0 in 1:out
                   "event":0
                  }
                   "enrollid":112,
                   "time":"2016-03-25 13:49:30",
                   "mode":0, //0 fp 1:card 2:pwd
                   "inout":0, //0 in 1:out
                   "event":1
                 }
             ]
Whe newlog is empty: the machine return:
  "ret":"getnewlog",
  "result":true,
  "count ":0,
  "from":0,
  "to":0,
  "record ":[]
}
Fail:
  "ret": "getnewlog",
  "result":false
  "reason":1
}
   Get all logs
Server send message:
 "cmd":"getalllog",
 "stn":true
Terminal response message:
Success:
  "ret":"getalllog",
  "result":true,
  "count":1000,
  "from":0,
```

```
"to":49,
  "record":[
                   "enrollid":1,
                   "time": "2016-03-25 13:49:30",
                   "mode":0, //0 fp 1:card 2:pwd
                   "inout":0, //0 in 1:out
                   "event":0
                  }
                   "enrollid":2,
                   "time": "2016-03-25 13:49:30",
                   "mode":0, //0 fp 1:card 2:pwd
                   "inout":0, //0 in 1:out
                   "event":1
                 }
             ]
Server response message:
 "cmd": "getalllog",
 "stn":false
}
Terminal send the second package:
  "ret":"getalllog",
  "result":true,
  "count":1000,
  "from":50,
  "to":99,
  "record":[
                   "enrollid":111,
                   "time": "2016-03-25 13:49:30",
                   "mode":0, //0 fp 1:card 2:pwd
                   "inout":0, //0 in 1:out
                   "event":0
                  }
                   "enrollid":112,
                   "time ":"2016-03-25 13:49:30",
                   "mode":0, //0 fp 1:card 2:pwd
                   "inout":0, //0 in 1:out
```

```
"event":1
                 }
             ]
}
Whe newlog is empty: the machine return:
  "ret":"getalllog",
  "result":true,
  "count ":0,
  "from":0,
  "to":0,
  "record ":[]
}
Fail:
  "ret":"getalllog",
  "result":false
  "reason":1
}
10. Clean all logs
Server send message:
  "cmd":"cleanlog"
Terminal response message:
Success:
  "ret":"cleanlog",
  "result":true
}
Fail:
  "ret":"cleanlog",
  "result":false
  "reason":1
}
11. Initialize system
Note: intialize system will delete all users and all logs, and the setting still not change.
Server send message:
  "cmd":"initsys"
```

```
}
Terminal response message:
Success:
  "ret":" initsys",
  "result":true
}
Fail:
  "ret":" initsys ",
  "result":false
  "reason":1
}
12. Reboot
Note: when terminal receive this message, will reboot immediately, so no repense message.
Server send message:
  "cmd":"reboot"
13. Clean all administrators
Note: this command will change all admin to normal user.
Server send message:
  "cmd":"cleanadmin"
Terminal response message:
Success:
  "ret":" cleanadmin",
  "result":true
}
Fail:
  "ret":" cleanadmin",
  "result":false
  "reason":1
}
14. settime
Note: set the terminal date and time
Server send message:
  "cmd":"settime",
```

```
"cloudtime":"2016-03-25 13:49:30"
}
Terminal response message:
Success:
  "ret":" settime ",
  "result":true
}
Fail:
  "ret":" settime",
  "result":false
  "reason":1
}
15. Set terminal parameter
Server send message:
  "cmd": "setdevinfo",
  "deviceid":1, //Termial id
  "language":0, //as the tips option below
  "volume":0, //0~10 default:6
  "screensaver":0 // 0:no screensaver 1~255 :when inopration wait for 1~255 seconds and then
                    go to screensaver.
  "verifymode":0, //opotion as show on tips below.
```

```
"sleep": 0, //0: no sleep; 1: sleep, and the fingerprint sensor will allway on
  "userfpnum":3,//how many fingerprints per user 1~10, default:3
  "loghint":1000, //when the logs will full less then 1000, and the terminal will hint;0:no hint
  "reverifytime":0 //reverify time 0~255 minute
}
Terminal response message:
Success:
  "ret":" setdevinfo ",
  "result":true
}
Fail:
  "ret":" setdevinfo ",
  "result":false
  "reason":1
}
Tips:1.setting the terminal common parameter, the child item is option.if don't want to set that
       item, you can ignore it
       For example:
        If you just want to modify the item of "volume" and "sleep"
        You can send the message like this:
           "cmd":"setdevinfo",
           "volume":8, //volume as the first item
           "sleep":1
        }
        Or like this:
           "cmd":"setdevinfo",
           "sleep":true, //change sleep as first item;true=1 false=0,you can set whatever you want
           "volume":8
        }
       Is it so easy?
     2.the languae option:
     enum
     {
          UILANG_EN, //==0 english
          UILANG_SC, //==1 simplified Chinese
          UILANG_TC, //==2 taiwan chinese
          UILANG_JAPAN, //==3 japanese
          UILANG_NKR, //==4 north korean
          UILANG_SKR, //==5 south korean
```

```
UILANG_THAI, //==6 thai
         UILANG_INDONESIA, //==7 Indonesian
         UILANG_VIETNAM, //==8 Vietnamese
         UILANG_SPA, //==9 Spanish
         UILANG_FAN, //==10 French
         UILANG_POR, //==11 Portuguese
         UILANG_GEN, //==12 German
         UILANG_RUSSIA, //==13 Russian
         UILANG TUR, //==14 Turkish
         UILANG_ITALIAN, //==15 Italian
         UILANG CZECH, //==16 Czech
         UILANG_ALB, //==17 Arabic
         UILANG_PARSI//==18 Farsi
    }
    3. Verify mode:
    enum
    {
         VERIFY_KIND_FP_CARD_PWD, //==0 Rfid card or Fingerprint or Password
         VERIFY_KIND_CARD_ADD_FP, //==1 Rfid card and Fingerprint
         VERIFY_KIND_PWD_ADD_FP, //==2 Password and Fingerprint
         VERIFY KIND CARD ADD FP ADD PWD, //==3 Rfid card and Fingerprint and Password
         VERIFY_KIND_CARD_ADD_PWD, //==4 Rfid card and Password
    };
16. Get terminal parameter
Note: 1. Getting the terminal common parameter Server send message.
  "cmd":"getdevinfo"
Terminal response message:
Success
  "ret": "getdevinfo",
  "result":true,
  "deviceid":1,
  "language":0,
  "volume":0,
  "screensaver":0
  "verifymode":0,
  "sleep": 0,
  "userfpnum":3,
  "loghint":1000,
  "reverifytime":0
```

}

```
Fail:
  "ret": getdevinfo ",
  "result":false
  "reason":1
}
17. Open door
Note:Open the door
Server send message:
{
  "cmd":"opendoor"
Terminal response message:
Success:
  "ret":" opendoor",
  "result":true
}
Fail:
  "ret":" opendoor",
  "result":false
  "reason":1
}
18. Set the access paramete
Note:setting the access all common paramete, the items are option, if your don't want to set this
     item you can ignore them.the command so complex, ha ha!!!
Server send message:
  "cmd":"setdevlock",
  "opendelay":5, //open door delay
  "doorsensor":0, //the door sensor type: 0:disable 1:NC(normal close) 2:NO(normal open)
  "alarmdelay":0, //door sensor alarm:when open the door and not close,the time more then
                    1~255 minute the access will alarm. 0:disable.
 "threat":0, //theat alarm: 0:disable 1.open the door and alarm 2.just alarm 3.just open the door
 "InputAlarm":0, //0.disable 1,alarm1 output 2.alarm2 output
 "antpass": 0 ,//0.disable 1,host machine is inside.2.host machine is outside
 "interlock":0,//0:disable.1.enable
 "mutiopen":0, //0:disable;1~4:must 1~4 people press finger at the same time to open the door
 "tryalarm":0, //0:disable 1~10:when try press the wrong finger 1~10 times ,the access will alarm
 "tamper":0, //0:disable 1.enable
 "wgformat":0, //weigand format 0:26 1:34
 "wgoutput": 0, //weigand output data: 0,: enroll id ;1:1+enroll id ;2:device id+enroll id
```

```
"cardoutput":0, //if this user register a rfid card, they press finger , weigand directly output rfid card
                  number;0:disable;1:enable;
"dayzone":[
                //8 groups at most. one group means one day, and have 5 sections per day at
                most.you can change one or more sections or groups as you want, and ignore the
               remain
             {
                "day": [
                        {"section":"06:00~07:00"},
                        {"section":"08:30~12:00"},
                        {"section":"13:00~17:00"},
                        {"section":"18:00~21:00"},
                        {"section":"22:00~23:30"},
                     ]
              },
                "day": [
                        {"section":"00:01~23:59"},
                      1
              },
              ......
            ],
"weekzone":[ //8 groups at most,one group means one week,you can change one or more
               groups what you want and ignore the remain
              {"week":[
                         {"day":1}, //monday
                         {"day":1}, //tuesday
                         {"day":1}, //wednesday
                         {"day":1}, //thursday
                         {"day":1}, //friday
                         {"day":2}, //saturday
                         {"day":2}, //sunday
                       ]
              },
              {"week":[ //the second weed zone
                         {"day":1},
                         {"day":1},
                         {"day":1},
                         {"day":1},
                         {"day":1},
                         {"day":2},
                         {"day":2},
                       ]
              },
              ......
```

```
],
"lockgroup":[
                {"group":1234},
                {"group":126},
                {"group":348},
                {"group":139},
                {"group":15}
            ]
}
Terminal response message:
Success:
  "ret":" setdevlock ",
  "result":true
}
Fail:
  "ret":" setdevlock ",
  "result":false
  "reason":1
}
Tips:1, if you just have one dayzone and one weekzone, you can send the short message like this:
     {"cmd":"setdevlock",
       "dayzone":[ {"day",[ {"section":"07:00~18:00"}]}],
       "weekzone":[ {"week",[ {"day":1}]}]
     }
     2,the relationship dayzone and weekzone like this:
     (user access parameter of weekzone =3)-> weekzone[3]-> Monday[1]->dayzone[1]->sections
                                                            ->Tuesday[2]->dayzone[2]->sections
     If(day zone [1] section is "00:01~23:59") and (day zone [2] section is "00:00~00:00")
     If this user press finger, first check his access parameter of weekzone is 3.
           And then find the weekzone 3, and find today is Monday, and then find Monday setting
           is dayzone 1.
           Continue find the dayzone 1, finding this dayzone just have one section:00:01~23:59
           It means all day can access, then the last action: open the door.
           If today is Tuesday: oh!! this dayzone section is "00:00" 00:00" allday can not access.
           So the last action: refuse this user access the door.
     Then this user Monday can open the door ,but Tuesday can not open the door allday.
     Hope you can understand or you can take a machine byhand, try and try.
    3. About the "lockgroup"
       For example: there have 3 departments in one company:
      Financial department->users: TOM, Obama, Lily
      Sale department->users: Clinton ,Bush ....
      Warehouse department->users: Cruz ,Hilari
```

You can set the" user access paramete ->group" to financial department users as 1

Sale department users as 2

Warehouse department user as 9

And then the "lockgroup" have the section :129:

- So: Obama(group 1) and Bush(group 2) and Crus(group 9) press the finger at the same time, just can open the door.
- Or:Tom(group 1) and Bush(group 2) and Hilari(group 9) press the finger at the same time, can open the door.
- Or: "lockgroup" have the section: 119:

 TOM (group1),Obama(group 1), Cruz(group 9) press the finger at the same time can open the door.

19. Get the access parameter

```
Server send message:
  "cmd":" getdevlock "
Access response message:
Success
  "ret": "getdevlock",
  "result":true
  "opendelay":5,
  "doorsensor":0,
  "alarmdelay":0,
  "threat":0,
  "InputAlarm":0,
  "antpass": 0,
  "interlock":0,
"mutiopen":0,
"tryalarm":0,
"tamper":0,
"wgformat":0,
"wgoutput": 0,
"cardoutput":0,
"dayzone":[
             {
                "day": [
                        {"section":"06:00~07:00"},
                        {"section":"08:30~12:00"},
                        {"section":"13:00~17:00"},
                        {"section":"18:00~21:00"},
                        {"section":"22:00~23:30"},
                     ]
              },
```

```
{
                "day": [
                         {"section":"00:01~23:59"},
               },
            ],
"weekzone":[
               {"week":[
                          {"day":1},
                          {"day":1},
                          {"day":1},
                          {"day":1},
                          {"day":1},
                          {"day":2},
                          {"day":2},
               },
               {"week":[
                          {"day":1},
                          {"day":1},
                          {"day":1},
                          {"day":1},
                          {"day":1},
                          {"day":2},
                          {"day":2},
                        ]
               },
               .....
             ],
"lockgroup":[
                {"group":1234},
                {"group":126},
                {"group":348},
                {"group":139},
                {"group":15}
            ]
}
Fail:
  "ret":" setdevlock ",
  "result":false
  "reason":1
}
```

20. Get the user access parameter

```
Server send message:
  "cmd": "getuserlock",
  "enrollid":1
}
Terminal response message:
Success:
  "ret": getuserlock ",
  "result":true,
  "enrollid":1,
  "weekzone":1, //the weekzone as set above
  "group":1, //for the 0:no group,1~9:belong the group of 1~9
   "starttime":"2016-03-25 01:00:00", //valid datetime
   "endtime": "2099-03-25 23:59:00",
}
Fail:
  "ret":" getuserlock ",
  "result":false
  "reason":1
}
21. Set the users access parameter
Server send message:
  "cmd": "setuserlock",
  "count":40,
  "record":[
             "enrollid":1,
             "weekzone":1,
             "group":1,
             "starttime":"2016-03-25 01:00:00",
             "endtime": "2099-03-25 23:59:00"
             },
             "enrollid":2,
             "weekzone":1,
             "group":1,
             "starttime": "2016-03-25 01:00:00",
             "endtime": "2099-03-25 23:59:00"
             },
```

```
.....
Terminal response message:
Success:
  "ret":" setuserlock ",
  "result":true
}
Fail:
  "ret":" setuserlock ",
  "result":false
  "reason":1
}
22. Delete the user access parameter
Server send message:
  "cmd":"deleteuserlock",
  "enrollid":1
Terminal response message:
Success:
  "ret":" deleteuserlock ",
  "result":true
}
Fail:
  "ret":" deleteuserlock ",
  "result":false
  "reason":1
}
23. Clean all user access parameter
Server send message:
  "cmd":"cleanuserlock"
Terminal response message:
Success:
  "ret":" cleanuserlock ",
  "result":true
```

```
}
Fail:
{
    "ret":" cleanuserlock ",
    "result":false
    "reason":1
}
```