

协议

-- 信息通用协议

修改说明

总则

1. UUID名词解析

- 在设备端表示设备mac等唯一标识符
- 在APP端APP端username等唯一标识符
- 源UUID 动作发起者
- 目标UUID 动作接收者

2. 设备

- 发送TOPIC /DEV/源UUID/目标UUID
- 订阅TOPIC /SER2DEV/自己UUID

3. APP

- 发送TOPIC /APP/源UUID/目标UUID
- 发送TOPIC /GET/源UUID/目标UUID
- 发送TOPIC /POST/源UUID/目标UUID
- 订阅TOPIC /SER2APP/自己UUID
- 订阅TOPIC /HTTP/自己UUID

4. 路由器

- 发送TOPIC /SER2APP/源UUID/目标UUID
- 发送TOPIC /SER2DEV/源UUID/目标UUID
- 订阅TOPIC /DEV/所有的UUID
- 订阅TOPIC /APP/所有的UUID
- 订阅TOPIC /POST/所有的UUID
- 订阅TOPIC /GET/所有的UUID

5. 服务器

- 发送TOPIC /CLOUD_OTA/源UUID/目标UUID

HTTP

一、请求登录鉴权

1. 请求

- 主题TOPIC

```
/GET/UUID/confidence-uaa/user/login
```

- payload sha1加密

```
{
  "url": "?username=uername&password=password"
}
```

2. 应答

- 主题TOPIC

```
/HTTP/UUID/confidence-uaa/user/login
```

- payload json sha1加密

```
{
  "code": 20000,
  "message": "登录成功!",
  "data": {
    "accessToken":
      "eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOi0siY29uZm1kZW5jZS11c2VyIiwia29uZm1kZW5jZS1kZW12Y2UiXSwic2NvcGU0siYXNkZmFzZiJdLCJuYW11IjpudWxsLCJpZCI6bnVsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOiJiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maWRlbnNlIiwidXNlcm5hbWUiOiJicnVjZX1hbiJ9.FFRyMG6sWYkX0VQtSUC4YP9FKoUy67A7aMSP2X4y4--9o2HotEU_o88SBBBy0vE8ay68Hmng0qk2bf39vT-JImCPxFGbb-SWRZsudodyVv_IKN3BKBqxJWmOfhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vK1W7GClz8kGxSKttzR07RIJ_LL4pDBWDdpithrI-B0b0WBNX9Qy6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-scjOnAydCZUSHXeoxCWU-i4ApQobbpy6F0j8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw",
    "refreshToken":
      "eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOi0siY29uZm1kZW5jZS11c2VyIiwia29uZm1kZW5jZS1kZW12Y2UiXSwic2NvcGU0siYXNkZmFzZiJdLCJhdGkiOiJiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJuYW11IjpudWxsLCJpZCI6bnVsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOiI0ZmU0NmFlZi1mYTQ1LTRjYzgtYThkNy1hYWQ1ZDE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maWRlbnNlIiwidXNlcm5hbWUiOiJicnVjZX1hbiJ9.lLnZntI5wtRs4B6Jykp1X4KG03ART3K1Lx6wuxXpV7eQSwghJF3MH1S2a2bFiCrNVZNWZjFjZDQnPMaICAewu_Dl2Bi2ULVMlwg4p0xtkqqlBeKO-M5ilYnJ-acKUM3xpubkxeqFn65iXHINpk4Gb6wCRdhLuLYASXIKyKsmHXe9RVi0iDHYXzZyjdS23b0-f7p8P55AapbYWCUGinepN4tQiYrvDpSwYSMaGwox2mzM2dPA0P0LZJPjdRx0eCFxJhFZcKUUZdgQePdQL1Lv3CLQ0WhKFajUWjHYL1LVfLY5RYJGPXmipm8qBYQx3saVGhE-EbncNVPwFIgm8RTarA",
    "jti": "b964ed12-c814-478c-b156-0ae0cb0f56b8"
  }
}
```

二、请求注册

1. 请求

- ```
/POST/UUID/confidence-user/user/register
```

- ```
{
  "userEmail": "邮箱",
  "userGender": "MAN",
  "userName": "用户",
  "userPassword": "密码",
  "userPhone": "13312345678"
};
```

```
/HTTP/UUID/confidence-user/user/register
```

- ```
{
 "code": 20000,
 "message": "注册成功!",
 "data": null
}
```

```
/POST/UUID/confidence-device/device/registerDevice
```

- ```
{  
  "url": "?deviceMac=44237CBD76AA",  
  "accessToken":  
    "eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOi0lsiy29uZmIkZW5jZS1lc2VyTiwiY2
```

```

9uZm1kZW5jZS1kZWl2Y2UiXSwic2NvcGUiOlSiYXNkZmFzZiJdLCJuYW1lIjpudWxsLCJpZCI6bn
VsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOi
JiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maW
RlbnNlIiwidXNlcm5hbWUiOiJicnVjZX1hbiJ9.FFRyMG6sWYkX0VQtSUC4YP9FKoUy67A7aMSP
2X4y4--9o2HotEU_o88SBBEByOvE8ay68Hmng0qk2bf39vT-JImCPxFGbb-
SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GClz8kGxSKttz
R07RIJ_LL4pDBWDdpithrI-
B0b0WBNX9Qy6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-
scj0nAydcZUSHXEoxCWU-
i4ApQobbpY6F0j8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw"
}

```

2. 应答

- 主题TOPIC

```
/HTTP/UUID/confidence-device/device/registerDevice
```

- payload json sha1加密

```

{
  "code": 20000,
  "message": "成功",
  "data": null
}

```

四、更新设备信息

1. 请求

- 主题TOPIC

```
/POST/UUID/confidence-device/device/updateDevice
```

- payload json sha1加密

```

{
  "accessToken":
"eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOi0siY29uZm1kZW5jZS1lc2VyIiwiaWY2
9uZm1kZW5jZS1kZWl2Y2UiXSwic2NvcGUiOlSiYXNkZmFzZiJdLCJuYW1lIjpudWxsLCJpZCI6bn
VsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOi
JiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maW
RlbnNlIiwidXNlcm5hbWUiOiJicnVjZX1hbiJ9.FFRyMG6sWYkX0VQtSUC4YP9FKoUy67A7aMSP
2X4y4--9o2HotEU_o88SBBEByOvE8ay68Hmng0qk2bf39vT-JImCPxFGbb-

```

```
SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GC1z8kGxSKttz
R07RIJ_LL4pDBWDdpithrI-
BObOWBNX9Qy6lHMS0fewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-
scjOnAydCZUSHXEoxCWU-
i4ApQobbpyY6F0j8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw",
"devId": 001,
"devName": "devdesc",
}
```

2. 应答

- 主题TOPIC

```
/HTTP/UUID/confidence-device/device/updateDevice
```

- payload json sha1加密

```
{
  "code": 20000,
  "message": "成功",
  "data": null
}
```

五、获取用户信息

1. 请求

- 主题TOPIC

```
/GET/UUID/confidence-user/user/selectUserInfo
```

- payload json sha1加密

```
{  
  "url": "?userName=admin",  
  "accessToken":  
    "eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOi0siY29uZmlkZW5jZS1lc2VyIiwia29uZmlkZW5jZS1kZWl2Y2UiXSwic2NvcGUlOi0siYXNkZmFzZiJdLCJuYWw1IjpuZDVsLmVsbCwiZXhwIjojbGciOjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOiJiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYUwY2IwZjU2YjgiLCJjbGlnbnRfawQiOiJjb25maWRlbmNlIiwidXN1cm5hbWUiOiJicnVjZXlhbiJ9.FFRyMG6sWAykX0VQtSUc4YP9FKoUy67A7aMSP2X4y4--9o2HotEU_o8SSBBBeByOvE8ay68Hmmg0qk2bf39vT-JIMCPxFGbb-SWRZsudodyVv_IKN3BKBqxJwmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GC1z8kGxSKttzRO7RIJ_LL4pDBWDdpithrI-BOboWBXN90y6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoaafcCPGGo-
```

```
scjOnAydCZUSHXEoxCWU-  
i4ApQobbpY6F0j8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw",  
  
}
```

2. 应答

- 主题TOPIC

```
/HTTP/UUID/confidence-user/user/selectUserInfo
```

- payload json sha1加密

```
{  
  "code": 20000,  
  "message": "查询成功",  
  "data": [  
    {  
      "devId": 25,  
      "devName": "12",  
      "devVendorName": null,  
      "devVendorCode": null,  
      "devMac": "1234",  
      "devSerialNumber": null,  
      "devSn": null,  
      "devCreateTime": null,  
      "devProtocol": null,  
      "devAddress": null,  
      "devStatus": null,  
      "devFirmwareVersion": null,  
      "devHardwareVersion": null,  
      "devSdkVersion": null,  
      "devRunningNumber": null,  
      "devUpdateTime": null,  
      "devPdId": 23,  
      "devPdName": "插座",  
      "devPdUrl": null,  
      "devUserId": 245,  
      "devUserName": "admin",  
      "devFunction": {  
        "functionCmdConut": 3,  
        "function": [  
          {  
            "functionId": 23,  
            "functionName": "9",  
            "functionCmd": "9",  
            "functionData": "9"  
          },  
          {  
            "functionId": 23,  
            "functionName": "9",  
            "functionCmd": "9",  
            "functionData": "9"  
          }  
        ]  
      }  
    }  
  ]  
}
```

```

    "functionId": 24,
    "functionName": "power",
    "functionCmd": "1",
    "functionData": "75768634ED"
  },
  {
    "functionId": 25,
    "functionName": "timer",
    "functionCmd": "2",
    "functionData": "AE1224"
  }
]
}
]
}
```

五、通过手机号查找用户

1. 请求

- 主题TOPIC

```
/GET/UUID/confidence-user/user/selectUserByUserPhone
```

- payload string sha1加密

```
{
  "url": "?userPhone=13200001110",
  "accessToken":
    "eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOi0lsiy29uZm1kZW5jZS11c2VyIiwiaWF0Ij0Y0ZlWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2Iiwzju2YjgiLCJjbGllbnRfaWQiOiJjb25maWRlbmNlIiwidXNlcmlcm5hbWUiOiJicnVjZXlhbiJ9.FFRyMG6sWAwKX0VQtSUc4YP9FKoUY67A7aMSP2X4y4--9o2HotEU_o8SSBBBeByOvE8ay68Hmng0qk2bf39vT-JImCPxFGBB-SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GC1z8kGxSKttzRO7RIJ_LL4pDBWDdpithrI-BObOWBNX9Qy6lHMSOfewy8GzhxttadlimNS_5fU2fIklyXoafcCPGco-scjOnAydcZUSHXeoxCWU-i4ApQobbpY6F0j8_j7nleBfSs1SchJlBYoug_GIGr1CPDViH3pqg0eP3TDYbEgFVwhqojw",
}
```

2. 应答

- 主题TOPIC

```
/HTTP/UUID/confidence-user/user/selectUserByUserPhone
```

- paload json sha1加密

```
{
  "code": 20000,
  "message": "查询成功!",
  "data": {
    "userId": 245,
    "userName": "admin",
    "userPhone": "13200001110",
    "userGender": "MAN",
    "userEmail": "0303@qq.com",
    "userRoleId": null,
    "userRoleName": null,
    "userCreateTime": "2021-03-27",
    "userUpdateTime": "2021-04-01",
    "userStatus": "ENABLE"
  }
}
```

六、分享设备

1. 请求

- 主题TOPIC

```
/GET/UUID/confidence-device/devShared/insertDevShared
```

- paload json sha1加密

```
{
  "accessToken":
    "eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOi0siY29uZm1kZW5jZS11c2VyIiwia29uZm1kZW5jZS11c2V1IiwiaXNlc2NvcGU0IiwiaXNkZmFzZiJdLCJuYW11IjpudWxsLCJpZCI6bnVsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOiJiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maWRlbmNlIiwidXNlcm5hbWUiOiJicnVjZX1hbiJ9.FFRyMG6sWYkX0VQtSUC4YP9FKoUy67A7aMSP2X4y4--9o2HotEU_o88SBBByOvE8ay68Hmng0qk2bf39vT-JImCPxFGBb-SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GClz8kGxSKttzR07RIJ_LL4pDBWDdpithrI-B0b0WBNX9Qy6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-scjOnAydCZUSHEoxCWU-i4ApQobbpy6F0j8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw",
  "sharedDeviceId": 0,
}
```



```
"sharedUserId": 0,  
"userName": "string"  
}
```

2. 应答

- 主题TOPIC

```
/HTTP/UUID/confidence-device/devShared/insertDevShared
```

- payload json sha1加密

```
{  
  "code": 20000,  
  "message": "成功! ",  
  "data": null  
}
```

控制