

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
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
5. 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
```

- paload sha1加密

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

2. 应答

- 主题TOPIC

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

- paload json sha1加密

```
{
  "code": 20000,
  "message": "登录成功! ",
  "data": {
    "accessToken":
      "eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOi01siY29uZm1kZW5jZS11c2VyIiwia29uZm1kZW5jZS11c2V1IiwiaXNkZmFzZiJdLCJuYW11IjpudWxsLCJpZCI6bnVsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOiJiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maWRlbnNlIiwidXNlcm5hbWUiOiJicnVjZXlhbiJ9.FFRyMG6sWYkX0VQtSUC4YP9FKoUy67A7aMSP2X4y4--9o2HotEU_o88SBBeBy0vE8ay68Hmng0qk2bf39vT-JImCPxFGbb-SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GClz8kGxSKttzR07RIJ_LL4pDBWDdpithrI-B0b0WBNX9Qy6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-scj0nAydCZUShXEoxCWU-i4ApQobbpY6F0j8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw",
    "refreshToken":
      "eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOi01siY29uZm1kZW5jZS11c2VyIiwia29uZm1kZW5jZS11c2V1IiwiaXNkZmFzZiJdLCJhdGkiOiJiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJpZCI6bnVsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOiJiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maWRlbnNlIiwidXNlcm5hbWUiOiJicnVjZXlhbiJ9.lLnZntI5wtRs4B6Jykp1X4KG03ART3KlLx6wuxXpV7eQSwghJF3MH1S2a2bFiCrNVZNWZjFjZDQnPMAlCaewu_DL2Bi2ULVMluga4p0xtkqqlBeKO-M5ilYnJ-acKUM3xpubkxeqFn65iXHINpk4Gb6wCRdhLuLYASXIKyKsmHXe9RViOiDHXYzZyjdS23b0-f7p8P55AapbYWCUGinepN4tQiYrvDpSwYSMaGwox2mzM2dPA0P0LZJPjdRx0eCFxJhFZcKUUZdgQePdQL1Lv3CLQ0WhKFa_JUWjHYLLvFLY5RYJGPXmipm8qBYQx3saVGhE-EbncNVPwFIGm8RTarA",
    "jti": "b964ed12-c814-478c-b156-0ae0cb0f56b8"
  }
}
```

二、请求注册

1. 请求

- 主题TOPIC

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

- payload json sha1加密

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

2. 应答

- 主题TOPIC

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

- payload json sha1加密

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

三、添加设备

1. 请求

- 主题TOPIC

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

- payload json sha1加密

```
{
  "url": "?deviceMac=44237CBD76AA",
```

```

    "accessToken":
    "eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiI29uZm1kZW5jZS11c2VyIiwia29uZm1kZW5jZS1kZW12Y2UiXSwic2NvcGU0I0siYXNkZmFzZiJdLCJuYW11IjpudWxsLCJpZCI6bnVsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOiJiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maWRlbmNlIiwidXN1cm5hbWUiOiJicnVjZX1hbiJ9.FFRyMG6sWYkX0VQtSUc4YP9FKoUy67A7aMSP2X4y4--9o2HotEU_o88SBBBy0vE8ay68Hmng0qk2bf39vT-JImCPxFGbb-SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GClz8kGxSKttzR07RIJ_LL4pDBWDdpithrI-B0b0WBNX9Qy6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-scjOnAydcZUSHXEoxCWU-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.eyJhdWQiOiI29uZm1kZW5jZS11c2VyIiwia29uZm1kZW5jZS1kZW12Y2UiXSwic2NvcGU0I0siYXNkZmFzZiJdLCJuYW11IjpudWxsLCJpZCI6bnVsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOiJiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maWRlbmNlIiwidXN1cm5hbWUiOiJicnVjZX1hbiJ9.FFRyMG6sWYkX0VQtSUc4YP9FKoUy67A7aMSP2X4y4--9o2HotEU_o88SBBBy0vE8ay68Hmng0qk2bf39vT-JImCPxFGbb-SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GClz8kGxSKttzR07RIJ_LL4pDBWDdpithrI-B0b0WBNX9Qy6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-scjOnAydcZUSHXEoxCWU-i4ApQobbpy6F0j8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw"

```

```

RlbmNlIiwiidXN1cm5hbWUiOiIjicnVjZX1hbiJ9.FFRyMG6sWYkX0VQtSUc4YP9FKoUy67A7aMSP
2X4y4--9o2HotEU_o88SBBBeByOvE8ay68Hmmsg0qk2bf39vT-JImCPxFGBb-
SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GClz8kGxSKttz
R07RIJ_LL4pDBWDdpithrI-
BOb0WBNX9Qy6lHMS0fewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-
scj0nAydCZUShXEoxCWU-
i4ApQobbbY6F0j8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw",
"devId": 001,
"devName": "devdesc",
}

```

2. 应答

- 主题TOPIC

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

- paload 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
```

- paload json sha1加密

```
{  
  "url": "?userName=admin",  
  "accessToken":  
    "eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOi0siY29uZm1kZW5jZS11c2VyIiwia29uZm1kZW5jZS11c2VudCJpZDQ6bnVsbCwiZXhwIjoxNjEzMzAxMjcwLCJhdXRob3JpdGlscyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOiJiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0yYWUwY2IwZjUyYjgiLCJjbGllbnRfaWQiOiJjb25maWRlbmNlIiwidXNlcml5bmU0IjicnVjZlhiJ9.FFRyMG6sWAYkX0VQtSUc4YP9FKoUy67A7aMSP2X4y4--9o2HotEU_o88SBBeByOvE8ay68Hmmg0qk2bf39vT-JImCPxFGBB-SWRZsudodyVv IKN3BKBgxJwmOFhR1Gxf8Abw1YgO2ntdLi2z3Lp6855N5vKlW7GC1z8kGxSKttz
```

```

R07RIJ_LL4pDBWDdpithrI-
B0b0WBNX9Qy6lHMS0fewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-
scj0nAydzcZUShXEoxCWU-
i4ApQobbbpY6F0j8_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": 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.eyJhdWQiOi01siY29uZmlkZW5jZS11c2VyIiwia29uZmlkZW5jZS11c2V2UiXSwic2Nvcm9uZmlkZW5jZS11c2V2YXNkZmFzZiJdLCJ1eWw1IjJpudWxsLCJpZCI6bnVsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3JpdGllcyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOiJiOTY0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUwY2IwZjU2YjgiLCJjbGllbnRfawQiOiJjb25maWRlbmNlIiwidXN1cm5hbWUiOiJicnVjZXIhbiJ9.FFRyMG6sWYkX0VQtSUC4YP9FKoUy67A7aMSP2X4y4--9o2HotEU_o88SBBBeBy0vE8ay68Hmmsg0qk2bf39vT-JIMCPxFGbb-SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlW7GClz8kGxSKttzR07RIJ_LL4pDBWDdpithrI-BObOWBNX9Qy6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoafcCPGco-scjOnAydCZUSHXEoxCWU-i4ApQobbpyY6F0j8_j7nleBfSs1SchJlBYoug_GIgr1CPDViH3pqg0eP3TDYbEgFVwhqoJw",
}
```

2. 应答

- 主题TOPIC

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

- payload json sha1加密

```
{
  "code": 200000,
  "message": "查询成功!",
  "data": {
    "userId": 245,
    "userName": "admin",
    "userPhone": "132000001110",
    "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
```

- payload json sha1加密

```
{  
  
  "accessToken":  
    "eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOi0lsiyY29uZmlkZW5jZS1lc2VyIiwiaY2  
    9uZmlkZW5jZS1kZWl2Y2UiXSwic2NvcGUlOi0lsiyXNkZmFzZiJdLCJuYW1lIjpudWxsLCJpZCI6bn  
    VsbCwiZXhwIjoxNjE3MzAxMjcwLCJhdXRob3RpZGlscyI6WyJST0xFX0NPTU1PTiJdLCJqdGkiOi  
    JiotYT0ZWQxMi1jODE0LTQ3OGMtYjE1Ni0wYWUy2IwZjU2YjgiLCJjbGllbnRfaWQiOiJjb25maW  
    RlbmNIiwiwidXNlcm5hbWUiOiJicnVjZXlhbiJ9.FFRyMG6sWAykX0VQtSUc4YP9FKoUy67A7aMSP  
    2X4y4--9o2HotEU_o88SBBeByOvE8ay68Hmmg0qk2bf39vT-JImCPxFGBb-  
    SWRZsudodyVv_IKN3BKBqxJWmOFhR1Gxf8Abw1YgQ2ntdLi2z3Lp6855N5vKlw7GC1z8kGxSKttz  
    RO7RIJ_LL4pDBWDdpithrI-  
    BOboWBX9Qy6lHMSOfewy8GzhxTtadliMNS_5fU2fIklyXoaFcCPGco-  
    scjOnAydcZUSHXeoxCWU-
```



```
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